2019-2020 Electives Catalog

It is the students’ responsibility to verify where and to whom they report before the start of each course no later than the Friday before the start of the rotation.

Tampa Instructions

Students in the SELECT (LVHN) program who rotate at one of the Tampa campus sites must contact Courtney Johns at cjohns2@health.usf.edu 8 weeks before the start of the Tampa elective (with the following information) to ensure that all appropriate hospital credentials are in place.

- Name of elective
- Site of elective
- Dates of elective

LVHN Instructions

Students in the Core (Tampa) program who rotate at one of the LVHN campus sites should do the following:

- For housing requests, visit https://secure.jotformpro.com/form/40904101972953.
- Complete the State of Pennsylvania Criminal Clearances in CERTIPHI.
- Go to the following website: at https://www.lvhn.org/research_and_education/new_student_requirements
  - Choose the option for Lehigh Valley Hospital-17th Street, Cedar Crest and Muhlenberg

  - Complete all links on this site (except CRIMINAL CLEARANCES)

Drop/Add open 4/9/19 - 01/31/20

1. Drop/add requests must be submitted at least one month in advance of the rotation.
2. Log into Archivum at https://usf.appiancloud.com:
   - Click on your "detailed student record"
   - Click Related Actions
   - Click Submit Drop Add Request
   - Select your track
   - Scroll down to view your Eligible Courses to Drop. Click the plus sign (+) to the left of the course. If you make a mistake, you can click the red (x) to the right of the course.
   - Scroll down to Eligible Courses to Add
   - Select the Period.
   - Begin typing the desired course in the Course field
   - (Optional) Select a Site
   - Find your course and click the plus sign (+) to the left
   - Click Submit
3. To view your completed requests in Archivum
   - Click Academic Profile
   - Click your “detailed student record”
   - Click 4th Year Scheduling
   - Scroll down to view and click the magnifying glass for more information on individual requests.
   - Throughout the process, you will see a task bar letting you know what step you are on.
4. Even though you have submitted a request, it is not approved until you receive an email from the Office of Registrar. Your schedule will not be changed until then. Your advisor and the course coordinator must both approve your request, then I will review your schedule and make changes as appropriate. Please make sure to review the requirements for the fourth year (Graduation and Track Requirements) to make sure your new schedule will be in compliance. When reviewing drop/add requests, I will take your entire schedule into consideration. For example, you will not be permitted to drop a required course unless you have submitted a request to add it in a different period. You may also view the Fourth Year Academic Calendar to determine the dates for each period.
   Drop/add closes 01/31/20.
5. Electives Open/Closed Report - Please refer to this report when looking for courses that might have availability. This report will be updated on a weekly basis and does not reflect any pending requests still in the system. This report is meant to serve as a guideline.

Electives_OpenClosed_Report-7.5.19.pdf

Instructions for Reading Report

Please note: Changes are not automatic. There are three levels of approval (coordinator, advisor, registrar). Requests are typically processed within a 2-3 day window, but may be a little longer at the beginning of the year when many students make changes.

The Electives Open/Closed Report lists each elective in each period, how many slots are offered, and how many have already been taken. For example:

<table>
<thead>
<tr>
<th>Period</th>
<th>Prefix</th>
<th>Numb</th>
<th>Title</th>
<th>Site</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Y</td>
<td>USFMS</td>
<td>8/3</td>
<td>0/0</td>
<td>0/0</td>
<td>0/0</td>
<td>8/7</td>
<td>0/0</td>
<td>0/0</td>
<td>8/6</td>
<td>8/8</td>
<td>8/5</td>
<td>0/0</td>
<td></td>
</tr>
</tbody>
</table>

Elective Y is offered in periods 1, 5, 6, 9, 10, and 11. (Period 12 is an extra month for remediation purposes.) There are a total of 8 slots available in each of those periods. 3 students are enrolled in period 1, so there are 5 slots available. Period 10 is full.

For courses offered as a two-week rotation, the total number of spots in one period cannot exceed the number of slots. For example:

<table>
<thead>
<tr>
<th>Period</th>
<th>Prefix</th>
<th>Numb</th>
<th>Title</th>
<th>Site</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 WEEK PERIOD A</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/1</td>
<td>2/0</td>
<td>2/1</td>
<td>2/0</td>
<td>2/0</td>
<td>2/1</td>
<td>2/0</td>
<td>0/0</td>
</tr>
<tr>
<td>2 WEEK PERIOD B</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/1</td>
<td>2/0</td>
<td>2/1</td>
<td>2/0</td>
<td>2/0</td>
<td>2/1</td>
<td>2/0</td>
<td>0/0</td>
</tr>
<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/1</td>
<td>2/1</td>
<td>2/1</td>
<td>2/1</td>
<td>2/2</td>
<td>2/0</td>
<td>2/1</td>
<td>0/0</td>
</tr>
</tbody>
</table>

Period A is the first half of the period, and Period B is the second half. In Period 5, the enrollment adds up to 2 people for the four weeks, one four week person, one two week person in A, and one two week person in B. For this course, there cannot be more than 2 students enrolled at any one time. Based on the report, in period 10, either one more student could register for the full four weeks, or one more student could be in both Period A and Period B.

Special instructions for Pediatrics electives in Tampa

- Any request to Drop/Add a Pediatric elective rotation must be FINALIZED AND COMMUNICATED TO THE ROTATION SITE no later than 1 month (30 days) prior to the start date of the rotation.
- Therefore, a student MUST submit these requests at least 45 DAYS prior to the start date of the rotation.
- In the event of extenuating circumstances where a student must drop a course after the designated drop period, the drop form requires the signature (non-electronic) of the Director of Pediatric Electives/Pediatric Track or his designee. He/she should meet with the director to request this and discuss the reasons for doing so.

Course Key

See Course Key for a definition of sites.

Calendar

Calendar 19-20.pdf
Description: Advanced anatomy is an elective course designed to provide prospective students with an opportunity to review anatomical concepts. This course will provide an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines. It aims to develop an understanding of the structural organization of the human body and its relevance to disease processes. Students will also develop skills in dissection and prosection techniques and learn to work independently and responsibly, communicating their understanding of anatomy to peers and faculty. The course will engage students in teaching through interactive laboratory settings.

Objectives:
1. Perform an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines
2. List the major pathologic processes that has a distinct gross anatomic correlate
3. Outline the anatomic basis of procedures and associated complications
4. Understand the structural organization of the human body to the interpretation of disease
5. Develop experience and demonstrate competence in dissection/prosection techniques
6. Develop in depth understanding of three-dimensional presentations of anatomy through
7. Develop the ability to work independently and responsibly, and interact with peers and
8. Self-assess and communicate to peers and faculty their understanding of Anatomy
9. Engage in teaching through interactive laboratory settings.

Rotation Activities:

Patient Encounters:

Evaluation is based on completion of the assignments. Please see the syllabus.

Syllabus:

Syllabus:

Visiting Students:

Special Instructions: SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations or

| Anat | USFMS | MDE 8521 Applied Head | 1, 3 - 11 | None | No Limit | 6 | 40 | 2 | Bharadwaj, Srinivas | Basic Science |
Description:
Applied Head and Neck Anatomy is an elective course designed to provide prospective students with an opportunity to study the anatomy of the head and neck region. This course is intended to provide an understanding of the anatomy applicable to the anatomical basis of diseases that pertain to surgical as well as non-surgical fields.

Objectives:
1. Perform an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines
2. List the major pathologic processes that have a distinct gross anatomic correlate
3. Outline the anatomic basis of procedures and associated complications
4. Understand the structural organization of the human body to the interpretation of disease processes
5. Develop experience and demonstrate competence in dissection/prosection techniques
6. Develop in depth understanding of three-dimensional presentations of anatomy through prosection
7. Develop the ability to work independently and responsibly, and interact with peers and faculty
8. Self-assess and communicate to peers and faculty their understanding of Anatomy
9. Engage in teaching through interactive laboratory settings.

Rotation Activities:

Patient Encounters:

Evaluation is based on completion of the assignments. Please see the syllabus.

Syllabus:

Visiting Students:

Special Instructions: SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations.
Anatomy of the MSK System is an elective course designed to provide prospective students with an introduction to the functional and clinical application of anatomy applicable to the anatomical basis of diseases that pertain to surgical as well as non-surgical fields.

**Objectives:**
1. Perform an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines
2. List the major pathologic processes that has a distinct gross anatomic correlate
3. Outline the anatomic basis of procedures and associated complications
4. Understand the structural organization of the human body to the interpretation of disease processes
5. Develop experience and demonstrate competence in dissection/prosection techniques
6. Develop in depth understanding of three-dimensional presentations of anatomy through prosection
7. Develop the ability to work independently and responsibly, and interact with peers and faculty
8. Self-assess and communicate to peers and faculty their understanding of Anatomy
9. Engage in teaching through interactive laboratory settings.

**Rotation Activities:**

**Patient Encounters:**

**Evaluation:** Evaluation is based on completion of the assignments. Please see the syllabus.

**Syllabus:**

**Visiting Students:**
<table>
<thead>
<tr>
<th>Course</th>
<th>Course Code</th>
<th>Instructor(s)</th>
<th>Rotations</th>
<th>Limit</th>
<th>Start Date</th>
<th>End Date</th>
<th>Yr Status</th>
<th>Status</th>
<th>Education Level</th>
<th>Special Instructions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anat</td>
<td>MEL 9999A</td>
<td>Bharadwaj, Srinivas</td>
<td>1-11</td>
<td>None</td>
<td>No Limit</td>
<td></td>
<td>0</td>
<td>44</td>
<td>2,4</td>
<td>Indep Study</td>
</tr>
<tr>
<td>Anesth</td>
<td>MDE 8700</td>
<td>Schwan, Nan</td>
<td>1-11</td>
<td>Yr 4 Status</td>
<td>1</td>
<td>0</td>
<td>50</td>
<td>2,4</td>
<td>Clinical</td>
<td></td>
</tr>
</tbody>
</table>

**Description:**
The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. It is designed to provide hands-on experience in airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

**Objectives:**
The primary objective of this course is to introduce the student(s) to the practical/hands-on approach to anesthesiology. Students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for surgery. They will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

**Evaluation:**
Oral, practical, and/or written evaluations of medical students will include clinical performance, medical knowledge, professionalism, motivation, and ability to problem solve.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A
Description: The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

Objectives: The primary objective of this course is to introduce the student(s) to the practical/hands on approach to anesthesiology. Students will be provided an overview of airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures.

Rotation Activities: Medical students are expected to make preoperative rounds with the anesthesiology staff on a surgical patient. Students will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

Patient Encounters: Evaluation: Oral, practical, and/or written evaluations of medical students will include clinical performance, medical knowledge, professionalism, motivation, and ability to problem solve.

Syllabus: Visiting Students: No

Special Instructions: N/A

<table>
<thead>
<tr>
<th>Anesth</th>
<th>MDE 8700 Anesthesiology Elective</th>
<th>T-VAH</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>50</th>
<th>4</th>
<th>Lee, Leland</th>
<th>Clinical</th>
</tr>
</thead>
</table>
Description: The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

Objectives: The primary objective of this course is to introduce the student(s) to the practical/hands on approach to anesthesiology. This will include airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures.

Rotation Activities: Medical students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for surgery. They will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

Patient Encounters: The patient case types will depend on the medical specialty the extern plans to enter.

Evaluation: Practical, and/or written evaluations of the medical students will include clinical performance, medical knowledge, professionalism, motivation, and ability to problem solve.

Syllabus:

Visiting Students: No

Special Instructions: N/A

---

<table>
<thead>
<tr>
<th>Anesth</th>
<th>MEL 7320Z Externship - Anesthesiology</th>
<th>EXT</th>
<th>1 - 10</th>
<th>Yr 4</th>
<th>Status</th>
<th>No</th>
<th>Limit</th>
<th>44</th>
<th>4</th>
<th>Klein, Malcolm</th>
<th>Externship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Card</td>
<td>MDE 8224 Consultative Cardiology</td>
<td>LVHN</td>
<td>1 - 11</td>
<td>Yr 4</td>
<td>Status</td>
<td>2</td>
<td>0</td>
<td>44</td>
<td>2,4</td>
<td>Jacobs, Larry</td>
<td>Clinical</td>
</tr>
</tbody>
</table>

Contact: Kelly Frenziz
(610) 402-3212
Report to: Cardiology Cath Lab office on 3C at Cedar Crest

Call the Cardiology Fellow on Cardiology Teaching Service at (610) 402-2044 on first day of rotation.

Description:
This elective offers an opportunity to develop skills in the evaluation of patients referred for cardiology teaching service including primary cardiology patients and cardiac consults on the cardiology step down unit.

Objectives:
1. Demonstrate the knowledge and skills necessary to obtain a proper cardiac history. The student will pay special attention to and record medications, medication compliance, diet compliance, and risk factors for various cardiac diseases.
2. Demonstrate proficiency in proper bedside physical examination.
3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac tachyarrhythmias, and tricuspid regurgitation.
4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythmias such as atrial fibrillation, ventricular tachycardia, left bundle branch block, left ventricular hypertrophy, acute myocardial infarction, ischemia, WPW, and hyperkalemia.
5. Infer heart size, presence of cephalization, infiltrate, pleural effusions, and pneumothorax by looking at a chest X-ray.
6. Identify medical, interventional, and surgical therapies for basic cardiac syndromes such as myocardial infarction, unstable angina, chronic angina, congestive heart failure, valvular heart disease, hypertension, hyperlipidemia, and arrhythmia.
7. Name and utilize a variety of clinical pathways and practice guidelines.
8. Access and critically evaluate current medical information and scientific evidence.
9. Use information technology or other available methodologies to access and manage information.
10. Explain the principles of primary, secondary prevention and risk modification.
11. Summarize the indications and diagnostic yield of various cardiac studies and therapeutic interventions.

Rotation Activities:
Students will participate in the evaluation of patients and will assist with the integration of the general medical data from the referring physician. Students will participate in daily teaching rounds with intern, medical resident, cardiology fellow and teaching cardiologist.

Attendance at various other weekly Cardiology Department teaching conferences is required.

Patient Encounters:
Evaluation will be performed using the USF 4th year medical student evaluation form.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
Card
Consultative Cardiology

Consul
tative
Cardiol
ogy

Click here for additional course information

Contact: Twyla Sumpter
tsumpter@health.usf.edu

Report to: Contact Twyla Sumpter at least one week prior to the start of the rotation to determine your Cardiology Fellow.

Description:
The Cardiology Consultative elective rotation is an experiential patient based rotation with integrative didactics that...

At the completion of the rotation it shall be expected that a face to face “360” between learner and teacher(s) will be...

Objectives shall:
1. Understand the question(s) framed from the originators of the consultative request and the answers to be provided for best outcomes of multidisciplinary care.
2. Develop and perform the focused cardiovascular interview question(s) and review of cardiovascular systems that are relevant to the consultative request.
3. Practice and refine the 5-point cardiovascular exam physical findings- general physical findings, interpretation of heart sounds, abnormalities of heart sounds, and distinguishment of heart murmurs associated with valvular heart disease.
4. Integrate the history and physical exam into efficient, appropriate, and cost effective test ordering for new diagnosis and ongoing management of prior or contemporarily defined cardiovascular problems.
5. Interpret, with supervision, the objective testing performed including ECG, imaging modalities including chest X ray, echocardiography, nuclear scanning, and invasive testing including cardiac catheterization with associated hemodynamic and angiographic findings.
6. Provide differential diagnosis and understand the classification of disease states that pertain to the major burden of cardiovascular disease and therapies to be applied including pharmacologic, interventional, and surgical solutions for best patient outcomes.
7. Recognition and interpretation of ECG rhythms (heart blocks, tachyarrhythmias) and appropriate use of telemetry will provide for effective, efficient, and safety enhanced patient care. This will, when necessary, provide for collaboration with advanced electrophysiologic services.
8. Participate in an environment of inquiry (including psychological safety) for the development of research questions and projects that may provide for future professional training and research endeavors in cardiovascular diseases.
9. Develop the communication and cooperation skills for collaborative care with the requesting service and other sub-specialty services (Critical Care Medicine, Infectious Diseases, etc.).
10. Recognize the need for ongoing management of patients with multiple co-morbidities and the timeliness of continuity of care and/or withdrawal from the care path of individual patients.

Rotation Activities:
Students will perform all cardiology patient care activities as associated with the consultative service under the tutelage of the fellows.

Patient Encounters:
Evaluation:
The faculty will make performance evaluations from data derived from clinical discussions and didactic presentations by the student.

Syllabus:
Visiting Students:
No

Special Instructions:
N/A

Card MDE 8224 Consul
tative Cardiol
ogy
Click here for additional course information

Contact:
Twyla Sumpter

Report to:
Contact Twyla Sumpter at least one week prior to the start of the rotation to determine your C

Description:
The Cardiology Consultative elective rotation is an experiential patient based rotation with in.

At the completion of the rotation it shall be expected that a face to face “360” between learne.

Objectives shall:

1. Understand the question(s) framed from the originators of the consultative request and the
2. Develop and perform the focused cardiovascular interview question(s) and review of cardi.
3. Practice and refine the 5-point cardiovascular exam physical findings- general physical find.
4. Integrate the history and physical exam into efficient, appropriate, and cost effective test o.
5. Interpret, with supervision, the objective testing performed including ECG, imaging modali.
6. Provide differential diagnosis and understand the classification of disease states that pert.
7. Recognition and interpretation of ECG rhythms (heart blocks, tachyarrhythmias) and apprc
8. Participate in an environment of inquiry (including psychological safety) for the developme
9. Develop the communication and cooperation skills for collaborative care with the requestti
10. Recognize the need for ongoing management of patients with multiple co-morbidities ano

Rotation Activities:
Students will perform all cardiology patient care activities as associated with the consultative

Patient Encounters:

<table>
<thead>
<tr>
<th>Card MDE 8224 Consulative Cardiology</th>
<th>T-VAH 1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Leonelli, Fabio</th>
<th>Clinical</th>
</tr>
</thead>
</table>
**Evaluation:**

Faculty will make performance evaluations from data derived from clinical discussions and didactic presentations by the student.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

N/A

---

**Cardiology Acute Coronary Care**

Click here for additional course information

**Contact:**

Kelly Frenzi
(610) 402-3212

**Report to:**

Cardiac Intensive Care Unit on 3B in Cedar Crest. Call cardiology fellow in the unit at (610) 402-6590 on arrival.

**Description:**

The students will participate in the evaluation of patients and will assist with the integration of the general medical team with the cardiac care team and the teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

**Objectives:**

1. Demonstrate the knowledge and skills necessary to obtain a proper cardiac history. The student will pay special attention to and record medications, medication compliance, diet compliance, and risk factors for various cardiac diseases.

2. Demonstrate proficiency in proper bedside physical examination.

3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac tachyarrhythmias, and acute coronary syndromes.

4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythmias such as atrial fibrillation, paroxysmal supraventricular tachycardia, left bundle branch block, left ventricular hypertrophy, acute myocardial infarction, ischemia, WPW, and hyperkalemia.

5. Infer heart size, presence of cephalization, infiltrate, pleural effusions, and pneumothorax by looking at a chest X-ray.

6. Identify medical, interventional, and surgical therapies for basic cardiac syndromes such as myocardial infarction, unstable angina, chronic angina, congestive heart failure, valvular heart disease, hypertension, hyperlipidemia, and arrhythmia.

7. Name and utilize a variety of clinical pathways and practice guidelines.

8. Access and critically evaluate current medical information and scientific evidence.

9. Use information technology or other available methodologies to access and manage information.

10. Explain the principles of primary, secondary prevention and risk modification.

11. Summarize the indications and diagnostic yield of various cardiac studies and therapies.
Rotational Activities:  The students will participate in the evaluation of patients and will assist with the integration of the medical student into the team of the teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Patient Encounters:  

Evaluation:  The attending physician will complete a written USF 4th year rotation evaluation.

Syllabus:  

Visiting Students:  
Lehigh Valley Network on VSAS.

Special Instructions:  

<table>
<thead>
<tr>
<th>Derm</th>
<th>MDE 8251 Clinical Dermatology</th>
<th>MCAH</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>4</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Patel, Nishit</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:  
Kandi Smith  
ksmith3@health.usf.edu  
(813) 974-3070  

Report to:  
Morsani Center for Advanced Healthcare  
13330 USF Laurel Drive  
Tampa, FL 33612  
Dermatology, 6th Floor

Description:  Upon completion of this elective, the student will be able to conduct a full dermatologic examination and will be able to participate in the teaching with the Dermatology residents. Periods 2, 3 and 4 are reserved for students applying to dermatology residency programs.

Objectives:  

1. Accurately describe primary and secondary dermatologic lesions as well as patterns of distribution.
2. Conduct a total body skin exam and detect suspicious and abnormal findings.
3. Identify the most common inflammatory skin diseases.
4. Identify the major types of skin cancers.
5. Recognize skin manifestations of internal disease.
6. Perform shave and punch biopsies.
7. Understand the concepts of skin patch testing.
8. Understand the appropriate management for common dermatologic disorders including neoplasms.

Rotation Activities:
The students will rotate through the following clinics in dermatology:

- General dermatology clinics at Morsani Center, VA, 17 Davis
- Pigmented lesion clinics at Moffitt Cancer Center
- Cutaneous T-Cell Lymphoma clinic at Moffitt Cancer Center
- High Risk Solid-Organ Transplant Dermatology Clinic at TGH
- Mohs/surgical dermatology at Morsani Center
- Inpatient consult service at Tampa General Hospital

Additionally, the students will be provided didactics on the fundamentals of dermatology and learn basic dermatologic procedures including shave biopsies, scalpel biopsies, punch biopsies, surgical excisions.

Patient Encounters:

Evaluation: Case Presentation to be made at a morning Resident Conference. Student progress and performance in the clinical setting will be evaluated by the faculty and residents.

Syllabus:
Handbook with general information about clinic duties and expectations (i.e., dress code, conduct, etc.) will be provided. The handbook also describes in the handbook, along with references for textbooks, online, and other pertinent dermatology information.

Visiting Students:
Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

<table>
<thead>
<tr>
<th>Derms</th>
<th>MDE 8536 Elective in Dermatopathology</th>
<th>USFMS</th>
<th>8 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Rodriguez-Waitkus, Paul</th>
</tr>
</thead>
</table>

Contract: Smith
Report to:
Paul Rodriguez-Waitkus, MD, PhD
Director, Dermatopathology Lab, 4th Floor
Morsani Center for Advanced Healthcare
13330 USF Laurel Drive
Tampa, FL 33612

Description:
This course is designed for students interested in expanding their knowledge of dermatopathology. Students will receive hands-on training and will learn to accurately describe and identify primary and secondary dermatologic lesions. Students will have the opportunity to participate in research by co-authoring a case report, meeting abstract or assisting with a portion of a larger departmental research project with a resident or faculty member, if one is available during the rotation.

Objectives:
1. Understand how to accurately describe and identify primary and secondary dermatologic lesions by microscopic examination.
2. Learn to identify the most common inflammatory skin diseases by microscopic examination.
3. Ascertain how to identify the major types of skin cancers by microscopic examination.
4. Participate in research by co-authoring a case report, meeting abstract or assisting with a portion of a larger departmental research project.

Rotation Activities:
- Attend dermatopathology conferences twice a week
- Invited to attend the “Dermatopathology Consensus Meeting” with all dermatopathologists from USF, MCC & VA Medical Center to review and discuss unusual, challenging cases, in order to gain different perspectives to confirm a diagnosis.

Patient Encounters:
- The student will be evaluated by the faculty & residents in dermatopathology.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

| Derm | MDT 8250 Special Topics in Dermatology | USFMS 1 - 12 | None, Yr 3 only | 1 | 0 | 40 | 2 | Patel, Nishit |
Description:
This course allows third year students to gain exposure to various topics in Dermatology by special arrangement with the Dermatology department director, Dr. Nishit Patel.

Objectives:
Our goal is to provide you with a 2-week precursor to your 4th year elective in dermatology.

1. Gain general understanding of the variety of diseases managed by dermatologists
2. Gain general understanding of the variety of procedures performed by dermatologists
3. Accurately describe primary and secondary dermatologic lesions as well as patterns of distribution.
4. Identify the most common inflammatory skin diseases.
5. Identify the major types of skin cancers.

Rotation Activities:
The students will be assigned a mix of clinical experiences from the list below:

- General dermatology clinics at Morsani Center, VA, 17 Davis
- Pigmented lesion clinics at Moffitt Cancer Center
- Cutaneous T-Cell Lymphoma clinic at Moffitt Cancer Center
- High Risk Solid-Organ Transplant Dermatology Clinic at TGH
- Mohs/surgical dermatology at Morsani Center

The student will attend various weekly conferences with the Dermatology residents.

Patient Encounters:

Evaluation:
Student progress and performance in the clinical setting will be evaluated by the faculty and residents.
Syllabus:
Handbook with general information about clinic duties and expectations (i.e., dress code, conduct, etc.) will be provided ... also described in the handbook, along with references for textbooks, online and other pertinent dermatology information.

Visiting Students:
No

Special Instructions:
N/A

<table>
<thead>
<tr>
<th>Department</th>
<th>Course Details</th>
<th>Year</th>
<th>Status</th>
<th>Limit</th>
<th>Credits</th>
<th>Instructor</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Derm</td>
<td>MEL 7320L Externship in Dermatology</td>
<td>EXT</td>
<td>1 - 7</td>
<td>No Limit</td>
<td>44</td>
<td>Patel, Nishit</td>
<td>Externship in Dermatology</td>
</tr>
<tr>
<td>Derm</td>
<td>MEL 9999L Indep Study in Dermatology</td>
<td>USFMS</td>
<td>1 - 11</td>
<td>No Limit</td>
<td>44</td>
<td>Patel, Nishit</td>
<td>Indep Study</td>
</tr>
<tr>
<td>Emerg Med</td>
<td>MDR 8710 Research in Emergency Medicine</td>
<td>TGH</td>
<td>1 - 11</td>
<td>None</td>
<td>40</td>
<td>Wilson, Jason</td>
<td>Research</td>
</tr>
</tbody>
</table>

Contact: Dr. Jason Wilson
tampaerdoc@gmail.com

Report to: Dr. Jason Wilson

Description: Students participating in the elective should be interested in pursuing a career in emergency medicine.

Objectives:
1. Obtain human subjects research certification and understand the principles and history of human subjects research. During this process, students will obtain CITI certification.
2. Understand the administrative infrastructure necessary to operationalize emergency medicine/acute care research.
3. Develop the ability to design and evaluate testable scientific hypotheses for clinical research.
5. Become familiar with study protocols, FDA regulations for clinical research, patient consent process.

Rotation Activities:
1. Obtain CITI certification
2. Attend Hospital Research Meetings
3. Attend EM Grand Rounds
4. Liaison with Research Assistant clinical Team
5. Develop scholarly project in conjunction with Research Director

Patient Encounters:

Evaluation:
The student will be assessed during this rotation in four ways.
1. 25% participation at assigned meetings and research shifts
2. 25% observations of student motivation/achievement/abilities during patient and staff interactions
3. 25% participation and completion of Journal Club assignment (3 articles each with journal club worksheet)
4. 25% online, open-notes/open-resource quiz on the foundations of EBM

Syllabus:

Visiting Students:

Special Instructions:
Any interested student should contact Dr. Wilson to plan the elective. This should be done at least 3 months prior to the start of the elective.

Contact:
Anish Zachariah, MD
ZachariahMD@gmail.com

Report to:
Dept. of Emergency Medicine
One Davis Blvd. Suite 502
Description:
Because of the wide array or patients and pathology, the rotation is an excellent introduction to acute care and primary care. It may be considering. It is required prerequisite for those USF students considering Emergency Medicine as a career.

Objectives:
This rotation will enrich students’ knowledge, help them develop history-taking ability, physical skill assessment, and interpersonal skills, as well as help them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

Rotation Activities:
This introduction to Emergency Medicine integrates clinical skills and evidence-based medicine through didactic lectures, patient encounters, and evaluation. It is also interactive simulated skills sessions ranging from suturing, central lines, lumbar puncture, and intubations.

Patient Encounters:

Evaluation:
The student’s grade is primarily based on daily attending evaluations but will incorporate quality case presentations, clinical skills evaluation, required attendance at emergency medicine conferences, and written testing.

Syllabus:

Visiting Students:

Special Instructions:

Contact:
Dawn Yenser
Dawn.Yenser@lvhn.org
(484) 884-2489
LVH-M 5th Fl South Building

Report to:
Will be provided one week prior to the start of the rotation.

Description:
This acting internship integrates clinical skills and evidence-based medicine through didactic lectures, performance of simulated patient encounters, and evaluation. It is expected to evaluate patients, address their presenting complaints, initiate workups, and provide definitive therapies.

Objectives:
This rotation will enrich students’ knowledge, help them develop history-taking ability, physical skill assessment, and interpersonal skills, as well as help them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

Rotation Activities:
Suture lab, splint lab, journal club, EBM lecture, ultrasound didactic and hands-on, trauma simulation, critical care simulation, grand rounds, EMS ride-along, autopsy, spend a day with a nurse (procedures) and toxicology lectures.

Syllabus:

Visiting Students:

Special Instructions:

Contact:
Worrillo, Charles
Clinical
**Patient Encounters:**

Students will be graded based on clinical evaluations from their preceptors. Additionally, students will be required to take a series of online open book quizzes.

**Syllabus:**

Visiting Students:
Lehigh Valley Network on VSAS.

**Special Instructions:**

N/A

---

**Emerg Med**

**MEL 8347**
AI in Emergency Medicine

**TGH**

1 - 11
Intro to EM

6
0
40-44
4

**Thomas, Andrew**

Clinical

---

Contact:

Andrew Thomas
Andrew_Thomas@teamhealth.com
AThomasEM@gmail.com
(407) 529-9061

Report to:

Emergency Department, second floor of TGH

First Monday of the rotation (unless otherwise instructed due to holiday)

Time and exact location will be sent via email several days before start of rotation

**Description:**

This acting internship integrates clinical skills and evidence-based medicine through didactic lectures, performance of patients, address their presenting complaints, initiate workups, and provide definitive therapies.

**Objectives:**

This rotation will enrich students’ knowledge, help them develop history-taking ability, physical skill assessment, and teaching/learning skills, as well as help them develop a caring, compassionate and empathetic attitude in dealing with patients and their families.

**Rotation Activities:**

Students will participate in the following activities:

1. Attendance & participation at weekly grand rounds (Wednesdays 0700-1200)
2. Obtain history and perform physical evaluation of patients in the emergency department
3. Presentation of patient cases to attending physicians and/or senior residents, including differential diagnosis and management plans

---

Click here for additional course information
4. Performance of available procedures including but not limited to laceration repair, incision & drainage, endotracheal intubation, ultrasound, central line placement, and other procedures deemed appropriate.

5. Gain experience with ED point-of-care ultrasound.

6. Additional events such as disaster drills or special conference events may occur.

Patient Encounters:

There are not required quotas for the number and types of patients seen, however it is expected that students will establish comfort levels.

Evaluation:

Grades are based on daily attending evaluations and attendance at emergency medicine conferences. There is an end of rotation minute presentation of an interesting case during an end of rotation meeting and this also is used for grading purposes.

Syllabus:

Provided in orientation email.

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A.

Contact:

Crystal Walker
One City Center
707 Hamilton Street
Allentown, PA 18101
Crystal.Walker@lvhn.org
(484) 862-3066

Report to:

Provided one week prior to the start of the rotation.

Description:

The Neighborhood Health Centers of the Lehigh Valley (NHCLV) is a Federally Qualified Community Health Center serving the Lehigh Valley.

Objectives:

1. Develop empathy and deeper understanding by developing relationships with patients and their families.

    Click here for additional course information.

    Family Med
    MDE 8104 Complex Care in the Community
    LVHN 1,3,5,7,9,11 Yr 4 Status 2 0 40 4 Lecher, Abby Clinical
2. Identify social determinants of health across the lifespan that contribute to opiate use disorders.

3. Walk with patients and describe how healthcare systems designed to help sometimes do harm.

4. Develop skills in health coaching for self-management of complex health issues using motivational interviewing techniques.

5. Describe the roles in interdisciplinary teams and progression to transformation for patients.

6. Understand treatment options for patients with opiate use disorders, including community-based organizations and community building programs.

7. Describe the health policy implications of learnings from personal experiences including service delivery redesign, payment reform, and outcomes at local, state, and federal levels.

8. Reflect on implications for relationship-centered care in student's vision of personal practice.

**Rotation Activities:**

Students will participate in daily team rounds, initial assessments, primary care, and medication-assisted treatment. Each student will identify individual learning goals and present either a topic or project to the team.

**Patient Encounters:**

Students will work in close contact with the interdisciplinary team and participate in daily huddles. They will meet with the interdisciplinary team and patients will be assessed as satisfactory by the elective director.

**Syllabus:**

**Visiting Students:**

Yes. Apply via Lehigh Valley Network on VSAS.

**Special Instructions:**

Any interested student must contact Dr. Letcher to plan specific goals and activities for the elective.

---

**Family Med**

**MEL 7258 Elect in Rural Med or Underserved**

LVHN 1 - 11 Yr 4 Status 1 0 40-44 2,4 Brohm, Veronica Clinical

---

**Contact:**

Crystal Walker

One City Center

707 Hamilton Street

Allentown, PA 18101

Crystal.Walker@lvhn.org

(484) 862-3066
Report will be provided one week prior to the start of the rotation.

Description: A rural/underserved health elective in which a student will be matched with an attending physician in the Department of Family Medicine who is committed to rural or underserved practice. The student will be expected to adapt to a practice that may have a different flavor and feel. Students interested in a remote experience should consider other options.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or urban setting.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved settings.
5. Evaluate the business management of rural or underserved practice, including availability, reimbursement, and organization of funding for patient care.

Rotation Activities:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine.
2. The student will accompany the clinic physician Monday through Friday at the designated clinic site, will see patients, and will perform procedures assigned by the preceptor under his/her supervision.
3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

Evaluation:
The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Linda Giordano
lgiordan@health.usf.edu
Victor Cruz  
Coordinator of Clinical Training & Enrichment  
Gulfcoast North AHEC  
vrodriguez@gnahec.org  
(813) 929-1000 ext. 209

Report to: provided prior to the start of the rotation.

Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a medically underserved rural or underserved setting, with a focus on the health needs and problems encountered in such settings. It aims to help students gain a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

Objectives:  
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.  
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved setting.  
3. Introduce/sensitize the student to cross-cultural issues in health care.  
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice.  
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:  
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.  
2. The student will accompany the physician during the course of the preceptor’s schedule, which may involve weekends. The student will be scheduled for a morning block of 8 am to 5 pm with an hour for lunch.  
3. At certain locations, opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:  
The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

Syllabus:  
Visiting Students:  
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:  
At certain sites, this elective is available to USF students only. The Department of Family Medicine will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

Sites: Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Center (Ruskin, Dover, Plant City), Pinellas Community Health Care Center (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto, Inverness, Homosassa, Crystal River).
Description:
This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved setting. It aims to provide a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings.
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.
2. The student will accompany the physician during the course of the preceptor’s schedule, which may involve a Saturday clinic setting, where the student will see patients and perform procedures assigned by the preceptor under his/her supervision.
3. At certain locations, opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

Evaluation:
The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding, as well as knowledge, judgment, and rapport.

Contact:
Linda Giordano
lgjordan@health.usf.edu
(813) 974-1906
Victor Cruz
Coordinator of Clinical Training & Enrichment
Gulfcoast North AHEC
vrodriguez@gnahec.org
(813) 929-1000 ext. 209

Report:
A report will be provided prior to the start of the rotation.
**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
This elective is available to USF students only. The Department of Family Medicine and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

**Sites**
- Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Center.
- Pinellas (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)

**Family Med**
- MEL 7258 Elect in Rural Med or Underserved
- SCHC
- Yr 4 Status
- 1 - 11
- 0
- 40-44
- 2,4
- Faculty at SCHC

**Contact:**
Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996

Victor Cruz
Coordinator of Clinical Training & Enrichment
Gulfcoast North AHEC
vrodriguez@gnahec.org
(813) 929-1000 ext. 209

**Report to:**
Provided prior to the start of the rotation.

**Description:**
This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved area.

**Objectives:**
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved settings.
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Activities:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.
2. The student will accompany the physician during the course of the preceptor’s schedule (which may involve a Saturday morning). Nights may be included depending on the patient load.
3. At certain locations opportunities are available for additional practice activities within the week.

Patient Encounters:
The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
This elective is available to USF students only. The Department of Family Medicine and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

Sites
Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Centers (Ruskin, Dover, Plant City), Pinellas Community HealthCare Group (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)

Contact:
Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996

Victor Cruz
Coordinator of Clinical Training & Enrichment
Gulfcoast North AHEC
vrodriguez@gnahec.org
(813) 929-1000 ext. 209
Report will be provided prior to the start of the rotation.

Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved setting and to provide a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community
3. Introduce/sensitize the student to cross-cultural issues in health care
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotation Arrangements:
1. Arrangements for a specific time commitment will be made through the Department of Family Medicine in conjunction with Gulfcoast North AHEC.
2. The student will accompany the physician during the course of the preceptor’s schedule which may involve a Saturday, evening, or night on call.
3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

Evaluation:
The assigned faculty preceptor will provide an individual evaluation addressing the student’s adaptability and understanding as well as knowledge, judgment, and rapport.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
This elective is available to USF students only. The Department of Family Medicine and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

Sites
Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Centers (Ruskin, Dover, Plant City), St. Petersburg, Pinellas (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)

Family Med
MEL 7267 International Health Elective

Click here for additional course information

Contact:

Gonzalez, Eduardo
Clinical
Report to: Any interested student MUST meet with Dr. Gonzalez and/or Dr. Callegari prior to selecting this elective. Ideally, this will facilitate coordination of having a faculty advisor at LVHN to help with the advising, planning, and evaluation of this elective.

Description: There are a wide variety of opportunities available for students with an interest in international health care. This elective is designed to provide support for USF students to obtain an international medical experience during their fourth year.

Objectives:
1. Identify the general and specific health care needs of a particular foreign country
2. Identify the role of the primary care physician in international health care
3. Gain additional clinical skills in the provision of primary health care

Rotation Activities:
Foreign travel and provision of medical services
Academic study abroad (readings and lectures) on the health problems of a particular area
Preparation and/or presentation of a report on the student’s experience

Patient Encounters:
Evaluation:
The student’s evaluation will be individualized based on the format of his/her particular elective.

Syllabus:

Visiting Students:
No

Special Instructions:
Emergency medical insurance is required for all electives abroad.

Family Med MDI 8120 Acting Internship Family Med
BFMC 1, 3 - 6, 8 - 11 Yr 4 Status 1 0 40-50 4 Gonzal ez, Eduardo Clinical

Contact:
Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996
Description:
This elective provides students with a Family Medicine residency experience at the intern level.

Objectives:
1. Integrate the student into the hospital teaching service such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident.
2. Strengthen the student's ability to develop an initial assessment and plan for patients requiring hospital admission, in conjunction with the attending, and to help manage patients as an intern.
3. Educate the student regarding common medical problems requiring hospital admission, indications for common in-patient procedures, discharge planning, and legal/ethical/cost considerations.

Rotation Activities:
The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident and attending. They will participate in inpatient care by attending at the bedside, evaluating patients, helping with the admission to the team, and to effectively manage the patient's medical problems throughout the hospital admission.

Patient Encounters:

Evaluation:
- Medical knowledge
- Quality of assessments, plans, and presentations
- Clinical decision-making skills
- Attitude, motivation, and rapport with patients and team members

Syllabus:

Visiting Students:

Special Instructions:
Final arrangements concerning the course location/preceptor will be made by the Department.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MDI 8120 Acting Internship</th>
<th>LVHN</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-50</th>
<th>4</th>
<th>Brohm, Veronica</th>
</tr>
</thead>
</table>

Contact:
Crystal Walker
One City Center
707 Hamilton Street
Allentown, PA 18101
Crystal.Walker@lvhn.org
Report to: Will be provided one week prior to the start of the rotation.

Description: The Acting Internship in Family Medicine rotation provides students the opportunity to work closely with our residents and faculty members.

Objectives:

**Hospital Based**

1. Integrate the student into the hospital teaching service such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident.

2. Strengthen the student’s ability to develop an initial assessment and plan for patients requiring hospitalization, to effectively communicate between the admission to the team, and to effectively manage the patient’s medical problems throughout the hospital admission.

3. Educate the student regarding common medical problems requiring hospital admission, indications for in-patient procedures, discharge planning, and legal/ethical/cost considerations.

**Office Based**

1. Integrate the student into the office setting such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident or attending physician.

2. Strengthen the student’s ability to take an appropriate history and physical exam with subsequent development of an accurate differential diagnosis and workup.

3. Incorporate anticipatory guidance and health maintenance recommendations into routine office visits.

4. Complete succinct and accurate SOAP notes to be reviewed with your supervising physician.

**Rotation Activities:**

The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident and participating faculty. This includes participating in procedures, emergency department responsibilities, admitting patients, participating in daily or morning rounds, and participating in patient care activities as determined by the educational goals of the rotation.

**Patient Encounters:**

**Evaluation:**

- Fund of medical knowledge
- Quality of presentations and clinical decision-making skills
- Attitude, motivation, and rapport with patients and team members
- Family Medicine Portfolio completion

**Syllabus:**

Will be provided one week prior to the start of the rotation

**Visiting Students:**

- No

**Special Instructions:**

- **Hospital AI**
  - Any interested student must contact Dr. Brohm to plan the elective. This MUST OCCUR AT LEAST 3 MONTHS PRIOR to the start of the rotation.
  - They will spend at least one week working on Family Medicine service night float.

- **Office-based AI**
  - No prior approval required. Students will spend each day seeing patients and working closely with the LVHN Family Medicine attending and intern. The skills and values of "Turtle Craft," our relationship-centered approach to family medicine, will be taught.

**MPMHC**

1 - 11

1 0 40-50 4 Clinical
Description: This elective provides students with a Family Medicine residency experience at the intern level.

Objectives:
1. Integrate the student into the hospital teaching service such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident.
2. Strengthen the student’s ability to develop an initial assessment and plan for patients requiring hospitalization, including initial consultations, follow-up appointments, and patient discharge planning. The student is expected to function as a Family Medicine intern under the direct supervision of a senior resident.
3. Educate the student regarding common medical problems requiring hospital admission, indications for common in-patient procedures, discharge planning, and legal/ethical/cost considerations.

Rotation Activities:
- Patient Encounters:
- Evaluation:
  - Quality of assessments, plans, and presentations
  - Clinical decision-making skills
  - Attitude, motivation, and rapport with patients and team members

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: Final arrangements concerning the course location/preceptor will be made by the Department.
<table>
<thead>
<tr>
<th>Family Med</th>
<th>MDE 8585 Elective in Sports Medicine</th>
<th>MCAH 5,6</th>
<th>Intro to Derm, Ortho, and Rheum</th>
<th>2</th>
<th>0</th>
<th>40-50</th>
<th>4</th>
<th>Coris, Eric</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:** Giordano  
igiordan@health.usf.edu  
(813) 974-1996

**Report to:** Provided prior to the start of the rotation

**Description:** This elective will provide students an opportunity to learn sports medicine from a primary care/family medicine and orthopaedic standpoint.

**Objectives:** This elective will provide students an opportunity to learn sports medicine from a primary care/family medicine and orthopaedic standpoint. Students will have the opportunity to work with athletic trainers, physical therapists and chiropractors. Students will have the opportunity to work with athletic trainers, physical therapists and chiropractors. Students will have the opportunity to work with athletic trainers, physical therapists and chiropractors. Students will have the opportunity to work with athletic trainers, physical therapists and chiropractors. Students will have the opportunity to work with athletic trainers, physical therapists and chiropractors. Students will have the opportunity to work with athletic trainers, physical therapists and chiropractors.

**Rotation Activities:**

**Patient Encounters:**

**Students** will be evaluated based on patient care, knowledge, practice-based learning, communication and professionalism in the field of primary care/sports medicine.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

Interested students must contact the Education Coordinator from the Department of Family Medicine at igiordan@health.usf.edu prior to enrolling.
Contact: Giordano

lgiordan@health.usf.edu

(813) 974-1996

Report to: Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg; West Florida Medical Center, Tallahassee; Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:

1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student's skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Objectives:

Patient Encounters:

Evaluation of medical knowledge

Quality of assessment and presentation

Clinical judgment as indicated by the rationale of diagnostic and management plans

Attitude and rapport with patients and families

Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's Office. Further information and specific instructions will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lgiordan@health.usf.edu.

FH 1 - 8 2 0 40-44 2,4 Clinical
Family Med
MEL 8255
Family Medicine Residency Elect

Click here for additional course information

Contact: Giordano
lgiordan@health.usf.edu
(813) 974-1996

Report to: Assigned site

Description:
This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg, Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:
1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student’s skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Activities:

Patient Encounters:

Evaluation: medical knowledge
Quality of assessment and presentation
Clinical judgment as indicated by the rationale of diagnostic and management plans
Attitude and rapport with patients and families
Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:
Special Instructions:
Students must check with the Department of Family Medicine before scheduling this elective through the Registrar’s Office. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lgiordan@health.usf.edu.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8255 Family Medicine Residency Elect</th>
<th>HH 3 - 7</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>2,4</th>
<th>Faculty at Res Program</th>
</tr>
</thead>
</table>

**Contact:** Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996

**Report to:** Assigned site

**Description:** This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, Clearwater; Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

**Objectives:**
1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student’s skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

**Rotation Activities:** Included in Objectives

**Patient Encounters:**

**Evaluation:**

- Quality of assessment and presentation
- Clinical judgment as indicated by the rationale of diagnostic and management plans
- Attitude and rapport with patients and families
- Subjective elements of interpersonal relationships, motivation, and ability
Syllabus:

Visiting Students:

No

Special Instructions:

Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's Office. Specific instructions will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lgiordan@health.usf.edu.

Family Med 8255 Family Medicine Residency Elect

Description:

This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg; Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:

1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student’s skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Activities:

Included in Objectives

Patient Encounters:

Evaluation:

Medical knowledge

Quality of assessment and presentation
Clinical judgment as indicated by the rationale of diagnostic and management plans
Attitude and rapport with patients and families
Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

Special Instructions: Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's office. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lgiordan@health.usf.edu.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8255</th>
<th>SVMC</th>
<th>3 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>2,4</th>
<th>Faculty at Res Program</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40-44</td>
<td>2,4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Clinical</td>
</tr>
</tbody>
</table>

Objectives:

1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student's skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Activities: Included in Objectives

Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996

Report to: Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg, Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.
Patient Encounters:

Evaluation:

- Fund of medical knowledge
- Quality of assessment and presentation
- Clinical judgment as indicated by the rationale of diagnostic and management plans
- Attitude and rapport with patients and families
- Subjective elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:

Special instructions: Please contact the Department of Family Medicine before scheduling this elective.

lgiordan@health.usf.edu

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8255</th>
<th>MPMHC 1 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-44</th>
<th>2,4</th>
<th>Faculty at Res Program</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

Linda Giordano
igiordan@health.usf.edu
(813) 974-1996

Report to:

Assigned site

Description:

This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, Clearwater, Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

Objectives:

1. Introduce the student to the relationship of Family Medicine to the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultations
3. Improve the student's skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

**Rotation Objectives**

**Patient encounters:**

- Evaluation of medical knowledge
  - Quality of assessment and presentation
  - Clinical judgment as indicated by the rationale of diagnostic and management plans
  - Attitude and rapport with patients and families
  - Effective elements of interpersonal relationships, motivation, and ability

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Students must check with the Department of Family Medicine before scheduling this elective through the Registrar's office. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lgiordan@health.usf.edu.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8255 Family Medicine Residency Elect</th>
<th>LVHN 1 - 11 Yr 4 Status</th>
<th>3 0 40-50 2.4 Brohm, Veronica Clinical</th>
</tr>
</thead>
</table>

Contact:

Crystal Walker
One City Center
707 Hamilton Street
Allentown, PA 18101
Crystal.Walker@lvhn.org
(484) 862-3066
Report to: Will be provided one week prior to the start of the rotation.

Description: During this elective, students will spend each day seeing patients and working closely with the LVHN Family Medicine faculty to experience our model of care, which includes a strong emphasis on the principles of our relationship-centered approach to family medicine, will be taught. Come and see innovative education in action.

Objectives:
1. Introduce the student to the relationship of Family Medicine and the medical community
2. Demonstrate the relationship of ambulatory care to hospital care and the effective utilization of other specialty consultants
3. Improve the student’s skills and clinical judgment by a defined and supervised patient care experience
4. Demonstrate the organizational structure of a family medicine residency including office management, medical records, patient education, and preventive medicine
5. Demonstrate the various responsibilities and activities of the Family Medicine Resident

Rotation Activities: The student will have primary responsibility for care of assigned patients while in the clinic and in the hospital. There is no call or night float for this rotation unless requested by the student.

Patient Encounters:

Evaluation:
Fund of medical knowledge and quality of presentation
Clinical judgment as indicated by the rationale of diagnostic and management plans
Attitude and rapport with patients and families
Subjective elements of interpersonal relationships, motivation, and ability
Family Medicine Portfolio completion

Syllabus: Will be provided one week prior to the start of the rotation

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact: USFMS 1 - 11 None 2 0 44 2,4 Woodard, Laurie
Description: This elective is designed to introduce the student to unique characteristics of medical practice in an underserved population. Students will attend all PSMP clinics and post conferences at Judeo Christian Health Clinic, the Outreach Clinic and BRIDGE Clinic in some rotations and precepting first and/or second year students.

Objectives: Provide a learning experience for students who have a demonstrated interest in the health care of the under-served and other community health issues.

Rotation Activities: Students will attend all PSMP clinics and post conferences at Judeo Christian Health Clinic, the Outreach Clinic and BRIDGE Clinic in some rotations and precepting first and/or second year students.

Patient Encounters: Students will be evaluated based on clinical skills, self-education/independent learning, understanding and implementing patient care, communication skills, professional behavior, and research and project work. Students will be encouraged to develop projects worthy of publication or presentation at a scholarly meeting.

Evaluation:

Syllabus:

Visiting Students:

Special Instructions:

Family Med

MEL 8264
Fam Med
Elect-USF Med Clinics

MCAH 1-11 Yr 4 Status 2 0 44 4 González, Eduardo Clinical

Click here for additional course information

Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996

Report to: Will be provided prior to the start of the rotation.

Description of this elective is to reintroduce students to primary care in a Family Medicine clinic.
Objectives:

1. Identify and manage problems which present commonly in family medicine, emphasizing the importance of continuing care and follow up.
2. Identify the biological, psychological, and social factors that are relevant in the etiology of patients' problems and integrate these factors in a treatment plan.
3. Improve problem solving skills.
4. Study the role of other health professionals in a patient's care (consultants, social workers, nurse practitioners, physical therapists, etc.) and the relationship between them and the family physician.
5. Improve skills in patient education and communication.

Rotation Activities:

Patient Encounters:

Evaluation: Based on competence, consideration of patients, and practical approach to problems.

Syllabus:

Visiting Students:

Special Instructions: Concerning course location/preceptor will be made by the Department of Family Medicine after the course registration date. Students are required to meet with Dr. Gonzalez one month prior to the start of the rotation to discuss this elective.

Contact:

Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996

Report to: Will be provided prior to the start of the rotation.

Description:

During this elective students will accompany faculty members who are in private clinical practice. This experience will be gained in the management of the wide range of problems that are present in family practice.

Objectives:

1. Identify and manage problems which present commonly in family medicine, emphasizing the importance of continuing care and follow up.
2. Identify the biological, psychological, and social factors that are relevant to the etiology of patients' problems and integrate these factors in a treatment plan.
3. Improve problem solving skills.
4. Study the role of other health professionals in a patient's care (consultants, social workers, nurse practitioners, physical therapists, etc.) and the relationship between them and the family physician.
5. Improve skills in patient education and communication.
3. Improve problem-solving skills

4. Study the role of other health professionals in the patient’s health care (consultants, social workers, nurse practitioners, etc.) and the relationship between them and the family physician.

Rotation Activities:

Patient Encounters:

Evaluation: competence, consideration of patients, and practical approach to problems

Syllabus:

Visiting Students:

Special Instructions: In order to determine availability, students are required to select and receive permission from.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8272 Women’s Health Elective</th>
<th>MPMHC 1 - 5, 10 - 11</th>
<th>Pri Care</th>
<th>1</th>
<th>0</th>
<th>50</th>
<th>2</th>
<th>Faculty at MPMHC</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Linda Giordano

lgiordan@health.usf.edu

(813) 974-1996

Report provided prior to the start of the elective.

Description: The elective provides students with an opportunity to strengthen their experience in caring for women.

Objectives:

1. Familiarize the student with the practice of gender-specific medicine, women’s preventive health, and obstetrics and gynecology in a Women’s Center of Excellence.

2. Strengthen the student’s ability to take a thorough obstetric/gynecologic and women’s preventive health history and perform routine preventive gynecologic and perinatal exams.

3. Expose the student to common gynecologic/obstetric procedures such as colposcopy, endometrial biopsy, IUD placement/removal, ultrasound, C-section, fetal scalp electrode placement, etc.

Rotation Activities:

Patient Encounters:
Evaluation:

Medical knowledge

Quality of assessments, plans, and presentations

Clinical decision-making skills

Attitude, motivation, and rapport with patients and team members

Syllabus:

Visiting Students:

Special Instructions:

Family Med

MEL 8273
Fam Med
Flexible Elect

MPMHC 1 - 11
None
3
0
40
2,4
Faculty at MPMHC

Clinical

Contact: Giordano

lgiordan@health.usf.edu

(813) 974-1996

Report: provided prior to the start of the elective.

Description: Provides students an opportunity to create an elective that will provide an experience into the broad clinical opportunities in Family Medicine.

Objectives:

1. Encourage the student to design and complete his or her own ideal elective within the realm of Family Medicine. This could include family medicine in-patient acting internship, women's health, pediatrics, geriatrics, nursing home, research, Ob/Gyn, acute care, etc.

2. Provide the student with housing when available

3. Introduce the student to the breadth of Family Medicine

4. Specific objectives to be determined based on elective scheduled

Patient Encounters:
### Evaluation:
- Medical knowledge
- Quality of assessments, plans, and presentations
- Clinical decision-making skills
- Attitude, motivation, and rapport with patients and team members

### Syllabus:

#### Visiting Students:
- Apply via USF Health Morsani College of Medicine on VSAS.

#### Special Instructions:
- For elective design assistance please contact Lee Blomberg at (727) 467-2517.

<table>
<thead>
<tr>
<th>Program</th>
<th>Course Code</th>
<th>Specialization</th>
<th>Yr</th>
<th>Status</th>
<th>No Limit</th>
<th>3rd Year Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Family Med</td>
<td>MEL 7320F</td>
<td>Externship in Family Medicine</td>
<td>1 - 9</td>
<td>Status</td>
<td>No Limit</td>
<td>0</td>
</tr>
<tr>
<td>Family Med</td>
<td>MEL 9999F</td>
<td>Indep Study - Family Medicine</td>
<td>1 - 11</td>
<td>None</td>
<td>No Limit</td>
<td>0</td>
</tr>
<tr>
<td>Int Med</td>
<td>MEL 8315F</td>
<td>Clinical Allergy/Immunology</td>
<td>1 - 11</td>
<td>Adult Med, Pri Care</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

### Contact:
- Geeta Gehi, Administrator
  - ggehi@health.usf.edu
- Peggy Hales, Administrator
  - phales@health.usf.edu

### Report to:
- T-VAH 1 - 11 Adult Med, Pri Care 2 0 40-44 2,4 Lockey, Richard
Description:

Allergic and immunologic problems affect up to 20% of adults and children in the United States. Therefore, students... affect the level of clinical competence attained.

Objectives:

1. Evaluate an allergy patient with history and physical, formulate an appropriate laboratory and radiologic work up, and create a suitable treatment plan.
2. Become familiar with the pathogenesis, diagnosis, and treatment of various allergic and immunologic diseases.

Rotation Activities:

Students will primarily be involved in in-patient care at the VA Hospital, Tampa General Hospital, and H. Lee Moffitt Cancer Center.

Patient encounters:

Examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, asthma, food allergies, and other immunologic problems.

Patient encounters will include diseases (including HIV infection), eosinophilia, eosinophilic syndromes, and various other immunologic problems.

Evaluation:

Evaluations will be completed by the faculty members who assess the level of clinical competence attained.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Int Med  | Allergy /Immun  | MEL  | LVHN  | Status  | Year  | Status  | 40-44 | Israel, Howard
---|---|---|---|---|---|---|---|---
8315  | Clinical Allergy /Immunology | 1 - 11 | Yr 4 | 1 | 0 | 2,4 | Clinical

Contact:

Dr. Howard Israel

Howard.Israel@lvhn.org

Report to:

Will be provided one week prior to the start of the elective

Additional course information:
Patient Encounters:

Students will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, acute...immuno-deficiency diseases.

Evaluation:

Evaluations will be completed by the faculty members who assess the level of clinical competence attained.

Syllabus:

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A

<table>
<thead>
<tr>
<th>Int Med</th>
<th>Allergy /Immun</th>
<th>MDR 8245 Respiratory Disease Research</th>
<th>T-VAH 1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Kolliputi, Narasaih</th>
<th>Research</th>
</tr>
</thead>
</table>

Contact: Barbara Pearce

Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

Report to Dr. Narasaiah Kolliputi at nkollipu@health.usf.edu for information on where to report.

Description:

Allergic and immunologic problems affect up to 20% of adults and children in the United States.

Objectives:

The objectives of the respiratory disease research experience at the Joy McCann Culverhouse Research Center are to...

Rotation Activities:

The student will attend four weekly conferences on basic immunology and clinical allergy and...in the training program will assess the level of clinical competence attained.
**Syllabus:**

**Visiting Students:**

**Special Instructions:**

---

<table>
<thead>
<tr>
<th>Int Med Cardiovascular</th>
<th>MDT 8200B Sudden Cardiac Death</th>
<th>USFMS</th>
<th>10A</th>
<th>Yr 4 Status</th>
<th>No Limit</th>
<th>0</th>
<th>40</th>
<th>2</th>
<th>Chae, Sanders</th>
<th>Basic Science</th>
</tr>
</thead>
</table>

**Description:**

**Objectives:** The course is to introduce and review clinical cardiac disorders that have a predominantly genetic component. The course will include a simulated genetic counseling session as well as review how to order genetic testing.

**Rotation Activities:**

1. **Didactics**
   - Basic Science Lectures
   - Clinical Lectures
   - Teaching Conferences
2. **Research/Presentations**

**Patient Encounters:**

**Evaluation:** Students will be evaluated based on interaction with the faculty, a research project, and oral or written presentations.

**Contact:**

- Dr. Sanders Chae
  - schae@health.usf.edu
- Bonna Nichol
  - bonne@health.usf.edu

**Report to:**

Dr. Sanders Chae

---

---
**Int Med**  |  **Cardiovascular**  |  **MEL 8351 Harvey Elective in Cardiology**  |  **USFMS**  |  **Yr 4 Status**  |  **USFMS**  |  **Yr 4 Status**  |  **Schocken, Dawn**  |  **Basic Science**  
--- | --- | --- | --- | --- | --- | --- | --- | ---  
Click here for additional course information  
---

**Contact:** Schocken  
dschock1@health.usf.edu  

**Special Instructions:**  

**Description:** The Harvey Elective is an uses the University of Miami Harvey Course Curriculum. This vetted curriculum has the students learn how to perform comprehensive cardiac assessment, diagnostic testing, echocardiography and cardiac catheterization. Attendance at cardiology teaching conferences is optional.  

**Objectives:** The major objective of this elective will be to teach the student to perform comprehensive cardiac assessment, diagnostic testing, echocardiography and cardiac catheterization. Attendance at cardiology teaching conferences is optional.  

**Rotation Activities:** The students have on site activities that include, but are not limited to, lectures from cardiologists, discussions led by cardiologists, weekly discussions, attendance at ECG Interpretations at JAH VA Hospital, attendance at ECHO interpretations at TGH.  

**Patient Encounters:** N/A  

**Evaluation:** Objectives will be assessed by the documentation of individual’s practice on the manikin.  

**Syllabus:** Posted to Canvas  

**Visiting Students:** With permission from Course Director  

---

**Int Med Digest**  |  **Nutrition**  |  **MDT 8200C Adv Concepts**  |  **USFMS**  |  **Yr 4 Status**  |  **USFMS**  |  **Yr 4 Status**  |  **Brady, Patrick**  |  **Basic Science**  
--- | --- | --- | --- | --- | --- | --- | --- | ---  
---

---

**Special Instructions:**
Contact:

Patrick Brady
pbrady@health.usf.edu

Tashalei Chau, Administrator
chaut@health.usf.edu

Report to Dr. Brady at the Morsani Center at 8 AM on the first day of the rotation.

Description: This course is designed to give students an appreciation for the relationship between basic science and clinical medicine. Lectures and seminars will provide the context for case presentations of diseases of the gastrointestinal tract. Students will learn about dysregulation of the immune system in inflammatory bowel disease and the immune system in viral hepatitis, and the pathophysiology of gastroesophageal reflux and Barrett's esophagus.

Objectives: This course will address the relationship of innate and acquired immunity to the disordered immune response in inflammatory bowel disease. The pathophysiology and pathogenesis of inflammatory bowel disease will be covered. The course will cover the gastrointestinal tract, with a focus on the esophagus and stomach. Students will be given the option of participation in a research project if they desire to do so.

Rotation Activities: Participation in gastroenterology outpatient clinics, lectures illustrating application of basic science concepts to clinical settings, case discussions, and guest lectures. Students will learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters:

Evaluation: Students will be evaluated based on direct faculty observation and feedback from patients and families during patient encounters. A written report will be submitted by the faculty to determine base knowledge, and the ability to formulate differential diagnoses and propose solutions.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A
Dr. Paola G Blanco  
Paola_G.Blanco@lvhn.org  

Report to: 
Will be provided one week prior to the start of the rotation.

Description: 
This course will expose the medical student to a wide range of gastroenterology disease processes. The inpatient service will provide a broad exposure to both common and uncommon GI problems with emphasis on recognition, treatment and natural history of these disorders.

Objectives: 
Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the recognition, treatment and natural history of gastrointestinal disease processes. Students will become familiar with the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

Rotation Activities: 
There will be a combination of direct patient contact and personal instruction. Observation of a variety of procedures including diagnostic and therapeutic upper GI panendoscopy, capsule endoscopy, therapeutic ERCP, flexible sigmoidoscopy, esophageal dilation and manometry studies will be afforded. Hands-on experience in capsule endoscopy is available. Attendance at ward and teaching rounds, outpatient clinics and teaching conferences will provide a further source of learning. Emphasis will be placed on pathophysiology, clinical manifestations, diagnosis and therapy. Emphasis will also be placed on the techniques of clinical nutrition.

Students can participate in a short research project during the rotation or may elect to begin a long term research project. Students will participate in a regularly scheduled conferences and clinics.

Patient Encounters: 

Evaluation: 
The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus: 

Visiting Students: 
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: 
N/A
Contact:
Dr. Patrick Brady
pbrady@health.usf.edu
Tashalei Chau, Administrator
chaut@health.usf.edu

Report Brady at the Morsani Center at 8 AM on the first day of the rotation.

Description:
The course is designed to give students a broad exposure to gastrointestinal and liver disease.

Objectives:
Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the following:
- Basic knowledge in gastrointestinal and liver disease
- Proficiency in the basic therapeutic approaches
- Interpretation of the gastrointestinal radiographs and other imaging techniques

Rotation Activities:
- Daily work and teaching rounds
- Participation in gastroenterology consultations
- Two hours of conferences weekly
- Participation in the GI Basic Science/Research Conference at the VA hospital at 7:15 AM on Friday morning

Patient Encounters:

Evaluation:
The faculty will base their performance evaluations upon clinical discussions and didactic presentations.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Int Med Digest/Nutrition
MEL 8306 Gastroenterology Elective
TGH 1-11 Adult Med, Pri Care
2 0 44 2,4 Brady, Patrick Clinical
This course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in teaching rounds, participation in gastroenterology consultatons, two hours of conferences weekly, and one hour per week of didactic teaching sessions. The GI Basic Science/Research Conference is held at the VA hospital at 7:15 AM on Friday morning and is optional.

Objectives: Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the following areas:

- Identifying the appropriate indications and contraindications for therapeutic interventions
- Understanding the basic therapeutic approaches
- Interpreting complex gastrointestinal radiographs and other imaging techniques

Rotation Activities:

- Daily work and teaching rounds
- Participation in gastroenterology consultations
- Two hours of conferences weekly
- One hour per week of didactic teaching sessions
- Time to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters: Evaluation:

The faculty will base their performance evaluations upon clinical discussions and didactic presentations.

Syllabus:

Visiting Students:

Visiting students are not allowed.

Other:

No

Special Instructions:

N/A

Contact:

Dr. Patrick Brady
pbrady@health.usf.edu

Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Stefanie Stevens, Administrator
Stefanie.Stevens@va.gov

Report to Dr. Prasad Kulkarni or Dr. Donald Amodeo at 8 AM on the first day of the rotation in the Endoscopy center at the VA Hospital.

Click here for additional course information

<table>
<thead>
<tr>
<th>Int Med /Nutrition</th>
<th>Digestion</th>
<th>MEL 8306 Gastroenterology Elective</th>
<th>T-VAH</th>
<th>Adult Med, Pri Care</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Brady, Patrick</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Int Med
Digestion
MEL 8306 Gastroenterology Elective
T-VAH
Adult Med, Pri Care
 Brady, Patrick
Clinical

Contact:

pbrady@health.usf.edu

Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Stefanie Stevens, Administrator
Stefanie.Stevens@va.gov

Report to Dr. Prasad Kulkarni or Dr. Donald Amodeo at 8 AM on the first day of the rotation in the Endoscopy center at the VA Hospital.

Description:

This course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in teaching rounds, participation in gastroenterology consultatons, two hours of conferences weekly, and one hour per week of didactic teaching sessions. The GI Basic Science/Research Conference is held at the VA hospital at 7:15 AM on Friday morning and is optional.

Objectives: Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the following areas:

- Identifying the appropriate indications and contraindications for therapeutic interventions
- Understanding the basic therapeutic approaches
- Interpreting complex gastrointestinal radiographs and other imaging techniques

Rotation Activities:

- Daily work and teaching rounds
- Participation in gastroenterology consultations
- Two hours of conferences weekly
- One hour per week of didactic teaching sessions
- Time to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters: Evaluation:

The faculty will base their performance evaluations upon clinical discussions and didactic presentations.

Syllabus:

Visiting Students:

Visiting students are not allowed.

Other:

No

Special Instructions:

N/A

Contact:

Dr. Patrick Brady
pbrady@health.usf.edu

Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Stefanie Stevens, Administrator
Stefanie.Stevens@va.gov

Report to Dr. Prasad Kulkarni or Dr. Donald Amodeo at 8 AM on the first day of the rotation in the Endoscopy center at the VA Hospital.

Description:

This course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in teaching rounds, participation in gastroenterology consultatons, two hours of conferences weekly, and one hour per week of didactic teaching sessions. The GI Basic Science/Research Conference is held at the VA hospital at 7:15 AM on Friday morning and is optional.
Objectives: Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the following areas:

- The principles and practice of clinical gastroenterology
- The indications and management of gastrointestinal diseases
- The interpretation of gastrointestinal radiographs and other imaging techniques

Rotation Activities: Daily work and teaching rounds, participation in gastroenterology consultations, two hours of conferences weekly, lectures, and discussions with faculty members. The student will also have the opportunity to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters: The student will encounter patients with a variety of gastrointestinal conditions and will be expected to follow up on patients with these conditions.

Evaluation: The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus: 

Visiting Students: No

Special Instructions: N/A

Contact: Barbara Pearce

Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

Dr. Rachel Semmons

Rachel.semmons@gmail.com

The student must contact the following personnel:

1. Kathleen Koch in order to schedule the ride along time with Aeromed (this is optional; you need to fill out a waiver that she will send you. Her email address is kkoch@tgh.org)

2. Barbara Tripp, our Rescue Division Supervisor at Tampa Fire Rescue to sign their waiver and set up ride-alongs at the different stations. Her email address is Barbara.Tripp@tampagov.net
3. Dr. Angus Jameson (ajamesonmd@gmail.com), medical director Pinellas County) and Dr. Stephanie Tershakovec (stephanietershakovec@gmail.com), our EMS fellow) to see whether there are additional EMS activities that would be useful for you for the rest of the month.

Description:
The purpose of this elective is to give the student a broad exposure to the scope of pre-hospital care.

Objectives:
1. Gain an understanding of pre-hospital patient care by rotation with the Tampa Fire Rescue
2. Learn to manage common toxicological problems by rotation in the Florida Poison Control
3. Be exposed to EMS Administration by accompanying the medical director of Tampa Fire and Aeromed
4. Gain an understanding of resource allocation and pre-arrival instruction initiatives by rotation

Time spent in these various areas will depend on the interests and experience of the student.

Rotation Activities:
1. Specific monthly meetings with Dr. Semmons
2. Regular standing meeting: Aeromed Case Presentation every Tuesday, 9am-10am
3. Tampa Fire Meetings - Tuesday mornings
4. Aeromed’s Safety and Staff - the last Thursday morning of the month
5. Emergency medicine grand rounds are on Wednesday 7am-12pm.
6. Approximately every 6 weeks - Grand Rounds at CAMLS.
7. Pinellas County does Capstone testing for new medics on the last Thursday and Friday of each month.
8. Monthly Journal Club for the EMS fellowship - articles will be made available one week before the scheduled meeting.

Patient Encounters:

Evaluation:
The student’s final grade is determined by his/her clinical faculty evaluation which is completed at the end of the rotation. This formative feedback may serve as a springboard to the summative feedback that is given at the end of the rotation.

Syllabus:

Visiting Students:

Special Instructions:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor(s)</th>
<th>Rotation Activities</th>
<th>Patient Encounters</th>
<th>Evaluation</th>
<th>Syllabus</th>
<th>Visiting Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEL 9999Q</td>
<td>Indep Study in Emergency Med</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MEL 8305</td>
<td>Clinical Endo &amp; Metabolism</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T-VAH</td>
<td>Adult Med, Pri Care</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Description:**

Upon the completion of this elective, the student should understand how to manage patients who have a variety of endocrinologic and metabolic diseases.

**Rotation Activities:**

Students will see in-house consultations at the VA, Tampa General, and H. Lee Moffitt hospitals; attend daily work rounds; and participate in teaching conferences and grand rounds.

**Patient Encounters:**

Patient encounters will include in-house consultations at the VA, Tampa General, and H. Lee Moffitt hospitals.

**Evaluation:**

Evaluation will be based on patient encounters, presentation skills, and written and oral exams.

**Syllabus:**

Syllabus will be provided to students at the beginning of the elective.

**Visiting Students:**

Visiting students are not accepted for this elective.

**Contact:**

Lourdes Rodrigues, Administrator
Lrodrig1@health.usf.edu

Dr. Joaquin Gomez-Daspet
Joaquin.Gomez-daspet@va.gov
Contact: Gretchen Perilli

Gretchen_A.Perilli@lvhn.org
(610) 402-6790

Report to: Will be provided one week prior to the start of the rotation

Description: The rotation on the Endocrinology services involves exposure to inpatient consultations and the outpatient clinic with a focus on diabetes mellitus and thyroid disorders. Students will learn how to interact with patients & their families, colleagues, and staff regarding patient care and treatment.

Objectives:

1. Evaluate an endocrine patient with history and physical, formulate an appropriate laboratory and radiologic workup, and create a suitable treatment plan.
2. Demonstrate the ability to manage diabetes mellitus type 1 and 2.
3. Demonstrate the ability to manage oral and insulin diabetes treatments as well as prevent and manage diabetic complications.
4. Discuss, evaluate, and treat routine endocrine conditions including thyroid, parathyroid, adrenal, pituitary, and gonadal disorders.

Rotation Activities:

This course will include a rotation with the endocrine consult service with responsibility and activities in care of patients.

Patient Encounters:

Evaluation:

Students will be evaluated in the office/clinic by the faculty attending. In the hospital setting, students will be evaluated by the rounding attending. Students will be given assignments. For example: Students will be given an interesting case by the attending to review. They will prepare a presentation based on the patient's history and physical, formulate a differential diagnosis, and propose a treatment plan. In the hospital setting, students will present a question based on a case they were involved in. They will answer the question with support from the medical literature.

Syllabus:

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A
Description:
This elective is designed to introduce the basic philosophy of palliative care and how these principles are applied to patients in the hospital to include a comprehensive medical history, physical, diagnosis, and treatment. Understanding patient goals and preferences is a critical component of palliative care. Patients may be treated for symptoms, concerns, or physical and emotional needs, whether they are actively dying or have another condition that limits the quality of life. Palliative care consults are commonly used to treat symptoms in dying patients, and an introduction to the regulatory requirements for hospice.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical, diagnosis, and treatment. Understanding patient goals and preferences is a critical component of palliative care. Patients may be treated for symptoms, concerns, or physical and emotional needs, whether they are actively dying or have another condition that limits the quality of life. Palliative care consults are commonly used to treat symptoms in dying patients, and an introduction to the regulatory requirements for hospice.

2. Provide a comprehensive assessment of patients with pain identifying physical, psychosocial, and spiritual components of distress.

3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and diagnostic options useful in differentiating among different etiologies of pain and non-pain syndromes.

4. In patient encounters, identify and address common patient, family, health care provider, and health care system barriers to effective symptom treatment.

5. List indications, clinical pharmacology, alternate routes, equianalgesic conversions, appropriate titration, toxicities, and management of common side effects in opioid administration.

6. Initiate informed relationship-centered dialogues about care.

7. Demonstrate empathy.

8. Communicate effectively with patients and families across a broad range of socioeconomic backgrounds.

9. Communicate effectively with physicians, other health professionals, and health related agencies.

10. Define patient requirements to qualify for the hospice medical benefit and describe how these benefits are delivered in through an interdisciplinary team.

Rotation Activities:
During the entire month, students will attend palliative care journal club, and weekly hospice and palliative medicine grand rounds. They will review landmark journal articles regarding key palliative care topics, and also to complete relevant CAPC modules.

Patient Encounters:
Evaluation:
For the inpatient educational experience, the trainee will see patients at Lehigh Valley Hospital-Cedar Crest and on the inpatient medicine service. Communication skills will be taught through didactic sessions, role play scenarios, and direct observations.

For the hospice experience, the student will see patients primarily at the inpatient hospice unit at 17th and Chew St. They will participate in either one inpatient or home-based IDT during the week. Knowledge will be assessed through a pre-post knowledge survey and exam, in addition to a.

Contact:
Michael.Chyu@lvhn.org
(610) 402-0100
Report to: Cedar Crest Blvd., Suite 3500
Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDE 8037 Occupational Medicine Elective</th>
<th>LVH-CC</th>
<th>5-7, 10-11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>2</th>
<th>Pellosi, Carmine</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Linda Colarusso
Linda_L.Colarusso@lvhn.org
(610) 869-2971

Report to: Dr. Carmine Pellosie

Description:
The elective is designed to introduce senior students to Occupational Medicine specialty care and services. This elective will... environmental health issues, toxic exposures at work, and assessing individuals for capability to perform work tasks.

Objectives:
1. Identify, describe evaluation and treatment of the top ten Occupational Medicine Injuries or Illnesses
2. Identify several strategies to protect workers at their job location. This includes procedures to eliminate or reduce hazardous exposures (Biological, Chemical and Physical)
3. Describe the role of OSHA, NIOSH, ANSI, EPA, ASHRAE, ACGIH, FMCSA, ASSE, CDC, State DOH, Dept. of Environmental Protection (State), The Joint Commission, and other agencies and associations concerning safety and health
4. Learn and demonstrate how to write workplace task limitations and accommodations
5. Describe and understand the role of Pre-Placement Employment exams and mandated Surveillance Exams
6. Describe the role of E.A.P. programs, Medical Review Officer physician activities, Respiratory Protection Programs and Hearing Conservation Programs
7. Describe the requirements for a physician to become certified to provide commercial driver examinations under the Department of Transportation and the process to complete these examinations
8. Describe possible elements of an employee wellness program
9. Understand and describe issues involving vaccination to prevent illness and transmission

Rotation Activities:
The following are experiences which may be included during the rotation:

Personal one on one time with multiple practitioners providing occupational medicine and preventive medicine services. ... goal of recognizing safety and health risks, reporting results to the corporate client and assisting with remedial plans.
Meet with Employee Assistance Program (EAP) professionals and learn about E.A.P. services.

Observe/Work at the local health department with the Medical Director (for General Preventive).

Observe and/or learn about Aviation Exams and the special considerations of the aerospace.

Learn and perform travel exams (utilize the Travax system). This involves consideration of m.

Learn firefighter health concerns: perform firefighter exams while recognizing and utilizing

Projects, as assigned, to utilize data for short research topics.

Attendance at quarterly “Safety Peer Group” meeting if present when scheduled (a topic expert

Respiratory Protection Program (29CFR1910.134) familiarization with performance of exams &

Commercial Driver exams with familiarization with regulatory requirements and other consid.

Patient Encounters:

Students will be evaluated on a scale from "unacceptable" to "outstanding" in multiple categ.

Syllabus:

Visiting Students:

Special Instructions:

| Int Med | General | MDE 8037 Occupational Medicine Elective | T-VAH | 1 - 11 | None | 1 | 0 | 40 | 2,4 | Williams, Rachel | Clinical |

Contact: Rachel Williams

rachel.williams5@va.gov

Report to: Students should report to the James A. Haley Occupational Health Clinic at 8:00 am on the f

The Employee Occupational Health clinic is in the Community Living Center (AKA CLC or Hai

The phone number to the clinic and Dr. Rachel Williams is (813) 972-2000 ext. 7628.
The goals of this rotation are for the student to be exposed to the workplace, work exposures, and relevant statutes, ... will learn to identify workplace and environmental hazards to reduce the risk of future injury or illness to the patient.

Objectives:

1. Gain exposure to complete patient histories, with an emphasis on occupation and exposure
2. Gain exposure to the selection of appropriate diagnostic studies in relation to the occupational injury or exposure
3. Review relevant occupational IT, databases, guidelines or other resources when providing
4. Gain exposure to legal and regulatory authority relating to protection and promotion of the
5. Assess individual risk for occupational/environmental disorders using an occupational his

Rotation Activities:
The student will see patients at the James A. Haley Occupational Health Clinic. The teaching .

Patient Encounters:

Evaluation:
The methods used for evaluation include, 360 evaluations (nursing/clinic/administrative staff, Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDE 8038 Telehealth Innovation and Quality Improvement</th>
<th>T-VAH</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Peguero-Rivera, Alfredo</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Alfredo Peguero-Rivera

Alfredo.Peguero-Rivera@va.gov

Dr. Jamie Morano

Jamie.Morano@va.gov

Reported Sessions: Monday 1230-1630; Tuesday 1230-1630
Telenephrology Sessions: Monday 0800-1200; Tuesday 1300-1630; Weds 0830-1100; Thursda (TeleDerm and TeleWound clinics upon availability and participant interest.)

Students will be expected to report to the VA Monday through Friday 0800 to 1630 and to rota

Description:

This elective will introduce medical students to the practice and theory of the brave new world of Clinical Video Telehealth (CVT). Students will engage in didactic instruction, journal article review, and actively demonstrating the importance of integrating quality of care with CVT innovation.

Objectives:

1. Compare and contrast clinical video telehealth (CVT) versus the traditional medical clinic in terms of the role of team nursing case managers, health care access, travel logistics, and continuity of care
2. Be familiar with the use and interpretation of unique technical capabilities within CVT, including use of e-stethoscopes, e-otoscopes, and e-ultrasound
3. Understand the CVT protocols for Hepatitis C and HIV; be able to list the specific screening, treatment, and follow-up protocols for patients entering Hepatitis C care, with or without HIV co-infection
4. Understand the foundations of a nephrology continuity visit including relevant clinical scenarios such as diabetic and hypertensive nephropathy and metabolic acid-base disorders
5. Be able to articulate quality improvement needs and outcomes relevant to CVT; participate in a quality improvement presentation (students/residents)

Rotation Activities:

During the course of the clinical rotations, participants will be encouraged to pursue the following:

1) Required Reading:

  - Goldmans’s Cecil Textbook of Medicine (24th ed):
    i. Vol 1 (XI: Renal and Genitourinary Diseases), Chapters 116-133
    ii. Vol 2 (XXIV: HIV and the Acquired Immunity Syndrome), Chapters 392-402
  - HIV Primary Care Primer (to be provided)

2) Required Online VA TMS Courses:

  - Clinical Video Telehealth (CVT) Foundations for Teleproviders (#14170)
  - CVT: Core Competencies (#23393)

3) Suggested Journals: Health Affairs, Journal of Telemedicine and Telecare; Sign up for Athens access at VA Medical Library (2nd floor) for full access

Patient Encounters:

Evaluation:

Feedback will be provided at the mid-point, and both oral and written evaluation will be re

Evaluation components will consist of dual evaluation by nephrology and ID faculty as applic

The post-test will consist of a computerized exam and evaluation covering straightforward ce
Syllabus:

Visiting Students: No

Special Instructions: N/A

Contact: Dr. Anne Yawman
Anne_M.Yawman@lvhn.org

Report to: Will be provided one week prior to the start of the rotation

Description: The geriatric rotation will offer experience to observe and manage elderly patients with a wide variety of medical conditions. Students will learn to recognize the atypical presentations of illness in the geriatric patient, evaluate and manage common geriatric conditions, and assess for and prevent hospitalization hazards. The rotation will also focus on understanding the normal anatomical and physiologic changes associated with aging.

Objectives:

1. Understand the normal anatomical and physiologic changes associated with aging and the concepts of homeostenosis and frailty
2. Recognize the atypical presentations of illness in the geriatric patient
3. Evaluate and manage the common geriatric conditions including: delirium, dementia, depression, gait disorder and falls, syncope, unintentional weight loss, pain syndromes, urinary incontinence, and constipation
4. Assess for and prevent the hazards of hospitalization of the geriatric patient including: ‘polypharmacy’, delirium, deconditioning and functional decline, malnutrition and pain syndromes
5. Recognize the prevalence of complex and chronic disease in the elderly and its impact on functionality and quality of life
6. Understand and utilize the AGS Beer’s Criteria for potentially inappropriate medication use in the older adult
7. Administer and interpret the various standardized instruments used for assessment of cognitive function, psychological affect and physical function in the geriatric population
8. Understand the various post-acute rehabilitation and long-term care settings, including the duties of the interdisciplinary team members and Medicare/Medicaid and other insurance payment options

Rotation Activities:

Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient settings, and will participate in interdisciplinary team meetings. They will also have the opportunity to observe and manage patients in various post-acute and long-term care settings.

Patient Encounters:

Evaluation: Students will be evaluated based on the ACGME competencies. Students will receive a short pre-test and post-test of basic geriatric knowledge, a short pre-test and post-test on the use of the AGS Beer’s Criteria, a small case presentation and discussion, and an assessment of their competency in managing geriatric patients.

Syllabus:
Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDE 8148 Geriatrics and Health Disparities</th>
<th>BYRD</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Guerra, Lucy</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Asa Oxner, MD
Internal Medicine
aoxner@health.usf.edu

Anna Wenders
Department of Family Medicine
amaynard@health.usf.edu

Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Description:
This elective integrates students into the care of elderly and those who are victims of health disparities in the community. Students will work closely with healthcare providers to improve outcomes, reduce costs and result in fewer hospital admissions for this vulnerable patient population.

Objectives:
By the end of the elective students will be able to:
1. Compare and contrast the health needs and problems encountered in indigent care in the elderly population.
2. Compare and contrast the health needs and problems in an urban setting.

Click here for additional course information
3. Identify the most common over-treatments of geriatric patients and the downstream complications that patients experience from these.

4. Understand the business application of Obamacare and Medicare, and the intersection of poverty with healthcare access.

5. Understand resources for involvement from the Tampa social care network.

6. Understand firsthand what a health disparity is and be able to take steps to fix it.

7. Develop an understanding of the costs and complexity of dealing with poorly compliant patients.

8. Become knowledgeable in the importance of recognizing early onset cognitive decline, and counseling families.

**Rotation Activities:**

1. Direct clinical experience with geriatric patients at Byrd Neurosciences Center and assisted living facility house-call visits.

2. Mandatory attendance at weekly geriatric didactic sessions in order to learn about geriatric care.

**Patient Encounters:**

**Evaluation:**

Students will be evaluated by the course director at the end of the course based on clinical encounters and patient care. Evaluation will also be based on medical knowledge, medical skills, and demonstrated professionalism.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDE 8340</th>
<th>ICU Procedures for Internists</th>
<th>TGH</th>
<th>1 - 11</th>
<th>Year 4 Status</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>2</th>
<th>Bugarin, Elizabeth</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

Elizabeth Bugarin

epbugarin@health.usf.edu

Barbara Pearce

Academic Services Administrator

Internal Medicine 4th Year Electives Program
Description: This elective integrates students into the nocturnal critical care team and provides students with an overview and hands-on experience in critical care procedures. Students will participate in the following placements: intubation, dialysis catheter placement, Swan-Ganz catheterization, thoracentesis, paracentesis, and lumbar puncture.

Objectives: By the end of the elective, students will be able to:

1. Perform focused cardiopulmonary ultrasound and present their findings in an organized fashion.
2. Understand the basic principles of sterile technique, appropriate time-out, and perform adequate informed consent.
3. Be able to assess a patient’s respiratory status and develop basic airway management skills, including mask ventilation, tracheal intubation, and laryngeal mask airway insertion.
4. Be able to understand the basics of non-invasive and invasive mechanical ventilation and contraindications, as well as determine about which ventilatory modality is most appropriate during real patient encounters and justify their decision.
5. Develop skills in performing critical care procedures with an emphasis on thoracentesis, paracentesis, lumbar puncture, and insertion of: central line, arterial line, Swan-Ganz, chest tube, dialysis catheters, and performing endotracheal intubation.

Rotation Activities:

Patient Encounters:

Evaluation: Students will be evaluated by the main intensivist at the end of the course based on direct observation, completion of a problem list, and a standardized examination. Students will be evaluated on their understanding of the procedures, interpersonal and communication skills, self-directed learning, and demonstrated professionalism.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Int Med General MDE 8774 Bedside Ultrasonography T-VAH 1 - 11 Adult Med, Pri Care 2 0 40 2 Pegeuero-Rivera, Alfredo Clinical

Contact: Alfredo Peguero-Rivera
Alfredo.Peguero-Rivera@va.gov
James Burrola
(813) 978-5947

Report to:
Second Floor Dialysis Unit
Monday at 8:00 am
Monday through Friday 0800 to 1630

Description:
This elective will introduce medical students to the practice and theory of bedside ultrasonography. Bedside ultrasonography will be used to diagnose and monitor many critically ill patients. It can be performed at bedside and can be helpful for the early diagnosis of lung diseases. The student will round with the preceptors daily and will interact with patients actively.

Objectives:
1. Understand the principles and limitations of bedside ultrasonography
2. Be familiar with the use and interpretation of the technical capabilities of bedside ultrasonography
3. Understand, execute and interpret the FAST and FAST modified ultrasonographic protocols in the diagnosis of hypotension
4. Understand, execute and interpret the Blue and BLUE modified protocols in the diagnosis of dyspnea
5. Be able to articulate quality improvement needs and outcomes relevant to the bedside ultrasonography field and/or present a clinical pertinent bedside ultrasound article

Rotation Activities:
During the course of the clinical rotations, participants will be encouraged to pursue the following:

Required Visual videos provided to the students:
1. Advance lung ultrasound applications
2. Rapid ultrasound for shock and hypotension
3. Cases in emergency ultrasound
4. Introduction to adult echocardiography

Required Reading for all participants:

Suggested additional ultrasound literature journals and books:
Sign up for Athens access at VA Medical Library (2nd floor) for full access

Patient feedback will be provided at the midpoint, and both oral and written evaluation will be

Evaluation:
1. Oral feedback will be provided at the mid-point, and both oral and written evaluation will be
2. Evaluation will consist of clinical performance (timeliness, interest, punctuality, % of sessions attended)
3. Clinical knowledge and competency pattern ultrasonographic recognition post-test scoring
Syllabus:

Visiting Students: No

Special Instructions: N/A

Description:
This rotation is designed to further the fourth year medical student’s education in internal medicine and examine patient safety concepts while preventing medical errors. The student will be introduced to hospitalist medicine and explore the “systems” approach to medical errors. Understanding human factor engineering in the medical environment is also a part of this rotation. Participating in root cause analysis processes is another activity included in this rotation.

Objectives:

1. Further the student’s education of internal medicine
2. Expose the student to the concepts of patient safety and preventable medical errors
3. Introduce the student to hospitalist medicine
4. Explore the “systems” approach to medical errors
5. Understand human factor engineering in the medical environment
6. Participate in root cause analysis process

Rotation Activities:

1. Gain understanding of Hospitalist medicine concepts
2. Understand human factor engineering and cite specific patient care examples
3. Manage patients in the capacity of an acting intern during business hours, answering pages
4. Participate in root cause analyses if opportunity is available

Contact:
Alexander Reiss, MD
Alexander.Reiss@va.gov

Report to: VAH Room 7b723 or 7b724 on the 7th floor near the patient elevators
5. Attend learning conferences with the house staff

6. Present a morning report or noon conference on patient safety

7. Understand the "system" approach to medical errors and contrast that with the "blame" system

Patient Encounters:

Evaluations:

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MEL 8332 Elective in Rural Medicine</th>
<th>AHEC 1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Oxner, Asa</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

Oxner, MD

Internal Medicine

aoxner@health.usf.edu

Anna Wenders

Department of Family Medicine

amaynard@health.usf.edu

Barbara Pearce

Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

Report to:
Asa Oxner, MD, Internal Medicine
aoxner@health.usf.edu

**Description:**
This elective is designed to introduce students to the practice of medicine in a rural commun.

**Objectives:**
1. Compare and contrast the health needs and problems encountered in rural practice to those encountered in urban practice.
2. Identify the unique opportunities and challenges to medical practice and life in a rural area.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand mechanisms and indications for consultation and referral in rural practice.
5. Evaluate the business management of rural practice including availability of organized funds.

**Rotation Activities:**
1. Direct clinical experience in rural medicine for underserved populations including migrant farm workers at Suncoast Community Health Center and homeless patients across Hillsborough, Pasco, and Pinellas Counties.
2. Complete a quality improvement project for one of our clinical sites. Examples include a process map of patient flow in the medical van and an inexpensive formulary of medications that are available to patients.

**Patient Encounters:**

**Evaluation:**
The clinical faculty will evaluate the progress and performance of the student in the clinical setting(s).

**Syllabus:**

**Visiting Students:**

Special elective rotations must be scheduled through Anne Wenders from the AHEC office. Final arrangements must be made through Ms. Wenders (amaynard@health.usf.edu) in conjunction with Gulfcoast North or Gulfcoast South AHEC. Health Resource Alliance (Pasco), Suncoast Community Health Centers (Hillsborough), DeSoto Memorial Hospital (Arcadia), or other rural sites.

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDI 8200 Acting Medicine Internship</th>
<th>LVH-CC</th>
<th>Yr 4 Status</th>
<th>6</th>
<th>0</th>
<th>40-64</th>
<th>4</th>
<th>Gaines, Darryl</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Darryl Gaines
Darryl_D.Gaines@lvhn.org
(484) 661-4650
Report will be provided one week prior to the start of the rotation.

Description: Students will function as acting interns on the general ward teams at Lehigh Valley Cedar Crest Hospital.

Objectives:
1. Introduce the student to hospital based care and management
2. Learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on short call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentes
6. Transition patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in th
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studi

Rotation Activities:
Students will be required to give a 15-20 minute case presentation halfway through the rotation.

Patient Encounters:

Evaluation:
Evaluation is based solely on clinical evaluations from your preceptors.

Syllabus:

Visiting Students:

Special Instructions:

Contact:

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDIC</th>
<th>MCC</th>
<th>1-2, 4-11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-64</th>
<th>4</th>
<th>Holmstrom, Bjorn</th>
<th>Clinical</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Report to: The Moffitt Cancer Center Attendings/Residents schedule changes every month. The students receive their assignment with the Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

Description: This rotation allows the medical student to learn how to diagnose and treat common medical conditions. The rotation includes exposure to inpatient management and procedures.

Objectives:

1. Introduce the student to hospital based care and management
2. Learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

Rotation Activities:

Students will function as acting interns on the general ward teams at Moffitt Cancer Center. They will be given direct supervision by the attending or resident and attend all ward rounds, ward conferences, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

Patient Encounters:

Evaluation: The student’s final grade is determined solely by his/her clinical faculty evaluation which is conducted at the end of the rotation. This evaluation facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
**Special Instructions:**

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDI 8200 Acting Medicine Internship</th>
<th>TGH</th>
<th>Yr 4 Status</th>
<th>5</th>
<th>0</th>
<th>40-64</th>
<th>4</th>
<th>O'Brien, Kevin</th>
<th>Clinical</th>
</tr>
</thead>
</table>

[Click here for additional course information]

**Contact:**
Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

**Report to:**
The TGH Attendings/Residents schedule changes every month. The students receive their schedules a week before the start of the month. Please contact the Attendings/Residents with the Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

**Description:**
The student will function as acting or "early" intern on a general ward team. He/She will be given the full range of clinical responsibilities to manage patients. In this capacity, the student will function as the primary provider of care for patients and will be expected to take responsibility for the care of patients as the attending physician. The student will attend all mandatory conferences that are given to the students and will be responsible for the care of the patients assigned to him/her. The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

**Objectives:**
1. Introduce the student to hospital based care and management
2. Student will learn how to perform adequate and thorough history and physical examination.
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention.
4. Participate on night call every fifth night as scheduled with the assigned team.
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis, central line placement.
6. Transition of patients from the Medical Intensive Care Unit.
7. Communicate inpatient management and outcomes with patient’s primary care physician.
8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients.
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies.

**Rotation Activities:**
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities. They will be assigned patients to care for and attend required conferences. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

**Patient Encounters:**
Evaluation:
The student’s final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. This evaluation will include the following components:
- Student performance on the rotation
- Participation in didactic sessions and conferences
- Completion of required assignments and readings

Syllabus:
Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDI 8200 Acting Medicine Internship</th>
<th>T-VAH 1-2, 4-11</th>
<th>Yr 4 Status</th>
<th>5</th>
<th>0</th>
<th>40-64</th>
<th>4</th>
<th>O’Brien, Kevin</th>
</tr>
</thead>
</table>

Contact:
Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Report VAH Attendings/Residents schedule change every month. The students receive their schedule a week before the start of the rotation. They will need to contact the Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

Description:
The student will function as acting or "early" intern on a general ward team. He/She will be given the full range of responsibilities for patient care.

The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:
1. Introduce the student to hospital based care and management
2. Student will learn how to perform adequate and thorough history and physical examination.
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention.
4. Participate on night call every fifth night as scheduled with the assigned team.
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis.
6. Transition of patients from the Medical Intensive Care Unit.

T-VAH 1-2, 4-11 Yr 4 Status 5 0 40-64 4 O’Brien, Kevin Clinical
7. Communicate inpatient management and outcomes with patient’s primary care physician

8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients and how to do discharge summaries

9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities. They will also be assigned to the General Medicine Consult Team as acting interns. This team will function as attending teams on the consult service. Students will participate in ward rounds, case conferences, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

Patient Encounters:

Evaluation:
The student's final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation.

Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

| Int Med | General | MEL 8335 General Internal Medicine Consult Service | MCC | 1 - 11 | Yr 4 | Status | 1 | 0 | 44 | 4 | Klinkova, Olga | Clinical |

Contact:
Olga.Klinkova@moffitt.org
(813) 745-8565

Report to Olga Klinkova at Moffitt Cancer Center on the first day of the rotation.

The Attendings at Moffitt schedule change every week. The students receive their schedules on the first day of the rotation.

Description:
This course is a 4-week experience for the 4th year medical student at one of our major inpatient teaching hospital site, Moffitt Cancer Center. The student will function as acting or "early" intern on an internal medicine consult service.
The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:

1. Conduct a preoperative evaluation
2. Evaluate and treat postoperative complications such as Atrial Fibrillation, Diabetes, Hypertension Urgencies/Emergencies
3. Approach for diagnosis and treatment of VTE in a cancer patient
4. Attend Morning Report, Noon conference, Grand Rounds and Internal Medicine Board Review

Rotation Activities:

Students will work directly with the Medicine attending on the Internal Medicine Consultation Service. Morning report, noon conferences, Grand Rounds, and board review will also be a required portion of this rotation.

Patient Encounters:

The student’s final grade is determined by his/her clinical faculty evaluation which is completed at the end of the rotation. This formative feedback may serve as a springboard to the summative feedback that is given at the end of the rotation.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Description:

This course is a 2-week experience for the 4th year medical student at one of our major inpatient teaching hospital site, Tampa General Hospital.

Contact:

Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu

Report to the resident and attending assigned to the consult service one week prior to the start of the rotation.

Contact Barbara Pearce for additional course information.
The student will function as acting or "early" intern on an internal medicine consult service. The only mandatory conferences that students are required to attend are morning report, noon conference, and Grand Rounds. Objectives:

1. Conduct a preoperative evaluation
2. Evaluate and treat postoperative complications such as Atrial Fibrillation, Diabetes, Hypertension, Urgencies/Emergencies
3. Approach for diagnosis and treatment of VTE in surgical patients
4. Evaluate and treat common medical problems in both the pre- and post-operative patient

Students will work directly with the Medicine attending on the Internal Medicine Consultation Service. Rotation Activities:

Students will work directly with the Medicine attending on the Internal Medicine Consultation Service at Tampa General Hospital. Morning report, noon conferences, Grand Rounds, and board review will also be a required portion of this rotation. Patient Encounters:

Evaluation:

The student's final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. The evaluation will facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation. Syllabus:

Visiting Students:

No Special Instructions:

N/A

Description:

This elective offers the fourth year medical student a review of pertinent skills for a smoother transition to internship.

Objectives:

1. Diagnose and treat common overnight call issues
2. Practice and learn common bedside medical procedures

Contact:

Dr. Cuc Mai
cmai@health.usf.edu

Report to:

Contact cmai@health.usf.edu one week prior to the start of the rotation for rotation schedule.

Syllabus:

Visiting Students:

No Special Instructions:

N/A
3. Improve teaching skills to be a better educator
4. Improve communication skills specifically delivering bad news
5. Familiarize yourself with ancillary medical services in the hospital/community and how they...
6. Learn skills to improve balancing the rigors of residency with personal/social endeavors

At the end of the month, students should feel more comfortable with the skills that will make...

**Rotation Activities:**

The course will predominantly consist of case based conferences which will be a review sucl...

**Patient Encounters:**

**Evaluation:**

Students will be evaluated on attendance, participation in case based conferences, involvem...

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

No

**Contact:**

Lorie Jennings
Education Coordinator
Moffitt Cancer Center
Lorie.Jennings@moffitt.org
(813) 745-2250

Michelle Sheff
Management Assistant: Internal Hospital Medicine
Moffitt Cancer Center
Michelle.Sheff@moffitt.com
Report to: Round with IHM A inpatient service

Description: This rotation allows the medical student to learn how to diagnose and treat common medical conditions. Students will round with IHM A inpatient service.

Objectives:
1. Introduce the student to hospital based care and management
2. Students will learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in the transitions of care
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care responsibilities. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

As part of the Honors Medicine Acting Internship, students must either complete a research project (i.e. submit an abstract to a regional or national meeting), attend a Florida ACP meeting, or make an advocacy trip with the ACP.

Patient Encounters:

Evaluation: The student’s final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. This facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:

Available only to students in the Internal Medicine track

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDI 9202 Honors AI in Internal Medicine</th>
<th>TGH</th>
<th>3</th>
<th>Yr 4 Status</th>
<th>5</th>
<th>0</th>
<th>64</th>
<th>4</th>
<th>O'Brien, Kevin</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Click here for
Report to: The TGH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of their rotation. The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the M&M conferences. The students will function as acting or "early" intern on a general ward team. He/She will be given the full range of patient care responsibilities so that he/she may confidently assume such care in the first postgraduate year regardless of the career choice.

Objectives:
1. Introduce the student to hospital based care and management
2. Students will learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient's primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients and how to do discharge summaries
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care responsibilities. As part of the Honors Medicine Acting Internship, students must either complete a research project (i.e. submit an abstract to a regional or national meeting), attend a Florida ACP meeting, or make an advocacy trip with the ACP.

Patient Encounters:

Eval: The student’s final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. This will facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
Special Instructions: Available only to students in the Internal Medicine track

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General</th>
<th>MDI 9202</th>
<th>T-VAH</th>
<th>Yr 4</th>
<th>Status</th>
<th>5</th>
<th>0</th>
<th>64</th>
<th>4</th>
<th>O'Brien, Kevin</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Click here for additional course information

| Contact: Barbara Pearce |
| Academic Services Administrator |
| Internal Medicine 4th Year Electives Program |
| bpearce@health.usf.edu |

**Report to:** The VAH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of the rotation. The students will be given the full range of responsibilities of a general intern. The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the M&M conferences. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

**Objectives:**

1. Introduce the student to hospital-based care and management
2. Students will learn how to perform adequate and thorough history and physical examinations
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician
8. Participate and learn appropriate discharge planning, utilization of system-based care in the management of their patients and how to do discharge summaries
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

**Rotation Activities:**

As part of the Honors Medicine Acting Internship, students must either complete a research project (i.e. submit an abstract to a regional or national meeting), attend a Florida ACP meeting, or make an advocacy trip with the ACP.
### Patient Encounters:

The student's final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. It serves as a vehicle for faculty to facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

### Syllabus:

#### Visiting Students:
- No

### Special Instructions:
- Available only to students in the Internal Medicine track

<table>
<thead>
<tr>
<th>Int Med</th>
<th>General MEL 7320M Extern-Internal Medicine</th>
<th>EXT 1 - 7 Yr 4 Status</th>
<th>No Limit</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Faculty Externship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Int Med</td>
<td>General MEL 9999M Indep Study-Internal Med</td>
<td>USFMS or LVHN 1 - 11 Adult Med, Pri Care</td>
<td>No Limit</td>
<td>0</td>
<td>40</td>
<td>2.4</td>
<td>Faculty Indep Study</td>
</tr>
<tr>
<td>Int Med</td>
<td>Hem-Onc MDE 8280 Hematology and Oncology</td>
<td>LVHN 1 - 11 Yr 4 Status</td>
<td>1</td>
<td>0</td>
<td>40</td>
<td>4</td>
<td>Scialla, William Clinical</td>
</tr>
</tbody>
</table>

Contact:
- Dr. William Scialla
- William_S_Scialla@lvhn.org
- (484) 884-5733
- Rose Laudenslager
- Administrative Assistant
- (610) 402-0512
- medicalstudents.lvhn.org
- (610) 402-2554
Description:
This course will expose the medical student to a wide range of hematologic and oncologic disease processes. In the course, students will learn how to work up hematologic and oncologic cases. The course includes lectures, tumor board, journal club, fellow lectures, computer reading, and patient encounters. The student will gain experience by following patients and writing notes. The student will also present a case in tumor board and answer questions about the case. The student will also learn how to evaluate hematologic and oncologic cases in the office and clinic setting.

Objectives:
1. Identify key points in a patient’s case and use them to make management decisions
2. Recall the important aspects of the history and physical in evaluating a patient with cancer
3. Identify detailed aspects of the CBC, coagulation studies, and peripheral blood smear
4. Will demonstrate the ability to accurately interpret CT scans and MRI imaging of oncology
5. Strengthen skills to develop a differential diagnosis and be able to justify studies ordered
6. Be able to compare and contrast mechanism of action and side effects of traditional chemotherapy
7. Differentiate between palliative care and hospice care and decide when to transition patient
8. Appreciate for the importance of clinical trials and the process of screening patients
9. Appreciation for multidisciplinary care of oncology patients

Rotation Activities:
The student will be exposed to a broad variety of hematologic and oncologic cases. They will spend time in multidisciplinary clinics with hematologists and oncologists. They will also spend time in the office setting with hematopathology and blood bank. They will attend tumor board, journal club, fellow lectures, and have the opportunity to spend time with hematopathologists.

Patient Encounters:
Students will be evaluated in the office/clinic by the faculty hematology/oncology attending, and in the hospital setting by the rounding attending and APC. They will be given a brief multiple choice test at the start of the rotation and again at the completion to gauge progress. Students will be given assignments. For example: Students will be given a interesting case by the attending to review. They will answer the question with support from the medical literature.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
The primary focus of this rotation is the inpatient consultative service. Students will be expected to round daily on patients and to report to their respective wards. The curriculum will include instruction on the principles of comprehensive history taking and physical examination to generate a differential diagnosis, as well as the selection of advanced testing modalities.

Objectives:
1. Apply the principles of comprehensive history taking and physical examination to generate a differential diagnosis and to select advanced testing modalities
2. Improve their assessment and management of disease processes using evidence-based literature and interdisciplinary communication
3. Apply principles of empiricism and stewardship to antibiotic selection and management
4. Improve familiarity with antimicrobial therapies, including antibiotic classes, adverse drug reactions, and interactions
5. Understand various states of immunosuppression (hereditary, drug-induced, acquired, organ transplant-related) and infections related to these
6. Summarize Infection Control protocol to minimize spread of disease
7. Deduce the appropriate method for treating microbial infections
8. Identify the correct type of antibiotic to treat bacterial infections

Rotation Activities:
This course will include a rotation with the infectious disease consult service with responsibility and activities in care of patients.

Patient Encounters:

Evaluation:
Students will be evaluated by the faculty attending. Students will be given assignments. For example: Students will be given a interesting case by the attending to review. They will answer the question with support from the medical literature.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.
### Description:

Facilities include patient populations with bacteremias, urinary tract infections, pneumonias, and HIV related issues. The University of South Carolina Medical Center's specialty population consists of oncology and hematological units and an orthopedic oncology unit.

### Objectives:

1. Provide fundamental information concerning techniques employed in diagnosing infectious diseases.
2. Obtain an appreciation for the natural history of infectious disease so as to better understand whether therapy is affecting the course of disease in a given patient.
3. Comprehend the process of selection of appropriate antimicrobial therapy.

### Rotation Activities:

1. Seeing patients assigned to the student from 9:00-12:00, Monday – Friday.
2. ID didactic Lecture from 12:00-1:00, Monday-Friday.
3. Rounds with ID attending and team from 1:00-5:00, Monday-Friday.
4. Optional – Research project on ID related diagnosis.

### Patient Encounters:

During the elective, a formal evaluation process results in generation of written comments that are communicated to the student. These comments will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

### Contact:

John Greene, MD
John.Greene@moffit.org
(813) 426-5668

### Evaluation:

Throughout the elective a formal evaluation process results in generation of written comments that are communicated to the student. These comments will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.
Visiting Students: No
Special Instructions: N/A

<table>
<thead>
<tr>
<th>Int Med ID, International</th>
<th>MEL Infect Disease &amp; International Med</th>
<th>TGH 1-11</th>
<th>Adult Med, Pri Care</th>
<th>3</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Sinnott, John</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Tammy Grice
tgrice@health.usf.edu

Report to: Tammy Grice
TGH Room G323

Description: This course is a 2 or 4 week experience for our medical students at Tampa General Hospital. Students will be assigned to see clinical patients in which a request to receive an infectious diseases consultation has been made. Students will observe and train with other members of the team including an Infectious Disease fellow and an Infectious Disease attending.

Objectives:
1. Provide fundamental information concerning techniques employed in diagnosing infectious diseases
2. Obtain an appreciation for the natural history of infectious disease so as to better understand whether therapy is affecting the course of disease in a given patient
3. Comprehend the process of selection of appropriate antimicrobial therapy

Rotation Activities:
The clinical rotations conducted are structured to permit students to function, with guidance by advanced subspecialty physicians. The student’s progress during the elective will be monitored during daily teaching rounds by the attending faculty.

Patient Encounters:
Evaluation: Midway through the elective a formal evaluation process results in generation of written comments that are communicated to the student. Student performance data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

Syllabus:
<table>
<thead>
<tr>
<th>Int Med ID, International</th>
<th>MEL 8310 Infect Diseas &amp; Internat Med</th>
<th>T-VAH 1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Sinnott, John</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**
Verona Allen
verona.allen@va.gov

**Report to:**
Dr. Sandra Gompf
Sandra.Gompf@va.gov

**Description:**

1. Provide fundamental information concerning techniques employed in diagnosing infectious diseases
2. Obtain an appreciation for the natural history of infectious disease so as to better understand the course of disease in a given patient
3. Comprehend the process of selection of appropriate antimicrobial therapy

**Rotation Activities:**
The clinical rotations conducted are structured to permit students to function, with guidance by advanced subspecialty faculty. The student's progress during the elective will be monitored during daily teaching rounds by the attending faculty.

**Patient Encounters:**
Evaluation through the elective a formal evaluation process results in generation of written comments that are communicated to the student.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A
Course Information

Contact: Tammy Grice
tgrice@health.usf.edu

Report to: Tammy Grice
TGH Room G323

Description: This course is a 2 or 4 week experience for our 4th year medical students at Tampa General Hospital. Students will be assigned to see clinical patients who are immunocompromised in which a request to receive an infectious disease consult will be made. Students will be rotated with Infectious Disease fellows and Infectious Disease attendings to train with other members of the team including an Infectious Disease fellow and Infectious Disease attendings.

Objectives: The goal of this rotation is to introduce the senior students to transplant medicine and its major complications. Knowledge of drug interactions and treatment of opportunistic infections will be demonstrated.

Rotation Activities: Students will be part of a team which includes an Infectious Disease fellow and Infectious Disease attendings.

Patient Encounters:

Evaluation: The evaluation process will be ongoing on a daily basis through constructive criticism to help students perfect their history taking and physical exam skills. Students are encouraged to participate in the weekly ID fellow lecture series as well as the ID case presentations.

Syllabus:

Visiting Students:

Special Instructions:

Int Med ID, International
MEL 8363 Infectious In ICU
Click here for additional course information

Cocontact Grice
TGH
tsgrice@gmail.com
(813) 844-4187

Adult Med, Pri Care
2 0 44 2.4 Montero, Jose Clinical
Report to:
Tammy Grice
TGH RM G323

Description:
Clinical ID Elective

Objectives:
The goal of the course is to learn to recognize, treat, and prevent infectious complications in the critically ill patient. The team approach to care rounds will be stressed.

Rotation Activities:
1. Perform ID consultation and follow-up
2. Write patient progress/consult notes using EPIC
3. Round with ID team

Patient Encounters:

Evaluation:
The attending physicians will evaluate the student on a daily basis.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Int Med  Nephrology  MEL  
8313 Clinical Nephrology

TGH  1 - 11  Adult Med, Pri Care

1  0  40-44  2,4  Durr, Jacques

Clinical

Contact:
Christina Haynes, Administrator
chaynes1@health.usf.edu
Dr. Jacques Durr
jacques.durr@gmail.com
jdurr@health.usf.edu

Report to:
**Description:**

The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. Inpatient exposure to renal patients is achieved through inpatient consultations in the affiliated institutions. House staff and clinical fellows, participate in the care of patients with a variety of renal and hypertensive problems.

**Rotation Activities:**

Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions. The rotation involves a weekly outpatient service that involves dietitians, social workers, clinical nurse specialists, as well as the attending staff.

**Patient Encounters:**

**Evaluation:**

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

---

**Int Med** | **Nephrology** | **MEL 8313** | **T-VAH** | **1 - 11** | **Adult Med, Pri Care** | **1** | **0** | **40-44** | **2,4** | **Peguero-Rivera, Alfredo** | **Clinical**
---|---|---|---|---|---|---|---|---|---|---|---

**Contact:** Christina Haynes, Administrator

chaynes1@health.usf.edu

Dr. Alfredo Peguero-Rivera

Alfredo.Peguero-Rivera@va.gov

---

**Description:**
Objectives:
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology.

Rotation Activities:
Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions and outpatient consultations and follow-up in the renal clinics and dialysis centers.

Patient Encounters:

Evaluation:
The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

<table>
<thead>
<tr>
<th>Int Med Nephrology</th>
<th>MEL 8313 Clinical Nephrology</th>
<th>LVH-CC 1-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Saqib, Mohammad</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Dr. Mohammad Saqib
Mohammad.Saqib@lvhn.org

Report to:
Will be provided one week prior to the start of the rotation

Description:
The geriatric rotation will offer experience to observe and manage with a variety of renal conditions in an inpatient setting. Physicians will provide consultation to the patient’s primary care providers, in order to understand the techniques of assessment, therapy and chronic and acute disease management.

Objectives:
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology.

Rotation Activities:
The performance of the history and physical examination, formulation of plans for diagnosis and management, and the execution of the plan will be the responsibility of the student who will function under the supervision of the Nephrology attendings and fellows.

Patient Encounters:

Evaluation:
The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
### Description

This elective is designed to introduce the basic principles and practice of palliative care. A 2-4 week inpatient rotation is required to achieve a comprehensive understanding of palliative care consults on patients in the hospital to include a comprehensive medical history, physical exam, diagnostic and treatment planning. The student will become familiar with the pharmacokinetics and pharmacological effects of medication commonly used to treat symptoms in dying patients.

### Objectives

1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, diagnostic and treatment planning. Gather a psychosocial, spiritual and values history.

2. Provide a comprehensive assessment of patients with pain identifying physical, psychosocial and spiritual components of distress.

3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and diagnostic options useful in differentiating among different etiologies of pain and non-pain syndromes.

4. In patient encounters, identify and address common patient, family, health care provider and health care system barriers to effective end of life care, hospice and palliative care.

5. List indications, clinical pharmacology, alternate routes, equi-analgesic conversions, appropriate titration, toxicities, and management of common side effects in opioid administration.

6. Communicate effectively with patients and families across a broad range of socioeconomic and cultural backgrounds.

7. Communicate effectively with physicians, other health professionals, and health related agencies.

8. Define patient requirements to qualify for the hospice medical benefit and other community based options for patients with serious illnesses.

### Rotation Activities

Students will see patients at Tampa General Hospital on the Palliative Care Consult Service. Students will actively participate in daily team rounds and scheduled didactic sessions. Students will be assigned patients by the supervising faculty and will be integrally involved in the assessment of the patient and family understanding of illness and prognosis. They will actively participate in family meetings regarding goals of care and treatment plans.
Patient Encounters:

Evaluation of student will be based on performance of responsibilities listed in Rotation Activities.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Int Med</th>
<th>Pulm/Sleep Med</th>
<th>MDT 8200E Adv Respiratory Pathophysiology</th>
<th>USFMS 11A</th>
<th>Yr 4 Status</th>
<th>10</th>
<th>5</th>
<th>40</th>
<th>2</th>
<th>Morris, Kendall</th>
<th>Basic Science</th>
</tr>
</thead>
</table>

Contact:

Kendall Morris, MD
kmorris@health.usf.edu

Report to:

Kendall Morris, MD
kmorris@health.usf.edu

Description:

This course is specifically designed to enhance student competency in Respiratory Pathophysiology. It will provide an in-depth overview of pulmonary physiology as applied to clinical scenarios. The course includes a variety of teaching methods such as in-depth reading, didactic sessions, and case scenario experience. Students will prepare and present a case report.

Objectives:

The goal of the course is to provide a review of pulmonary physiology as applied to clinical scenarios. Topics will include but are not limited to Adult Respiratory Distress Syndrome (ARDS), asthma, hyperbaric medicine, and airway inflammation.

Rotation Activities:

1. Clinical experiences
2. Advanced basic science review

Patient Encounters:

Evaluation will be evaluated on oral presentations, application of the principles of pulmonary physiology to clinical scenarios, recent basic science discovery in oral case reports, and the use of references and judgment of evidence in case reports.

Syllabus:
Visiting Students:

No

Special Instructions:

N/A

Int Med

Pulm/Sleep Med

MEL 7388 Intro to Sleep Medicine

T-VAH 1-11

Adult Med, Pri Care

2 0 44 2,4

Anders on, William

Clinical

Contact:

Pat Oswald

poswald@health.usf.edu

Dr. William Anderson

William.Anderson@va.gov

Report to:

William Anderson

William.Anderson@va.gov

Description:

This elective is designed to introduce students to the practice of sleep medicine in an outpatient and inpatient setting. The student will have exposure to interpretation of sleep studies and observation of the overnight recordings.

Objectives:

1. List the clinical findings that are associated with a high pre-test probability of obstructive sleep apnea

2. Compare and contrast central from obstructive sleep apnea

3. Evaluate the business systems that are necessary for successful outcomes in the treatment of patients in #1 & #2 above

4. Describe the various presentations of a patient that may be referred for clinical evaluation of insomnia

5. Compare and contrast behavioral versus medication treatment for insomnia

6. List the most common abnormal behaviors that occur during sleep (parasomnias)

7. Compare and contrast jet lag and shift work sleep disorder with advanced and delayed sleep phase syndromes (circadian rhythm disorders) in adults and children

Rotation Activities:

The trainee will see patients at the USF, VA and TGH Sleep clinics as well as in-patient consults. Furthermore, they will have a plan developed as to the diagnostic and therapeutic approach to each of these disorders.

Rheumatology Blackboard Website includes PowerPoints, links and interactive didactics for students, weekly Rheumatology conference with faculty and trainees, and Joint Injection Workshop with simulators.

Patient Encounters:

The student will have the opportunity to rotate with a variety of rheumatology faculty at sites including; USF Morsani Comprehensive Clinical Center, TGH, and VA. There are additional opportunities to have exposure to musculoskeletal ultrasound in the clinical setting.
Evaluation: Students will be evaluated by the course director or his designee, at the end of the course, by the course director or his designee, at the end of the course, based on the clinical evaluations of the fellows and faculty who work with them. An in-service exam will assess some of the ACGME six core competencies.

Grades are determined by: 75% clinical evaluations and 25% by final examination.

The student will receive a final evaluation from the faculty preceptor with which they were assigned for the majority of their clinical rotations and trainees during the weekly rheumatology conference on a topic relevant to a patient seen in the clinical setting.

Syllabus:

Visiting Students:

Special Instructions:

Int Med  Pulm/Sleep Med  MEL 7388 Intro to Sleep Medicine

Contact: Pat Oswald
poswald@health.usf.edu
Dr. William Anderson
William.Anderson@va.gov
Report: William Anderson
William.Anderson@va.gov

Description: This elective is designed to introduce students to the practice of sleep medicine in an outpatient and inpatient setting. The student will have exposure to interpretation of sleep studies and observation of the overnight recordings.

Objectives:
1. List the clinical findings that are associated with a high pre-test probability of obstructive sleep apnea
2. Compare and contrast central from obstructive sleep apnea
3. Evaluate the business systems that are necessary for successful outcomes in the treatment of patients in #1 & #2 above
4. Describe the various presentations of a patient that may be referred for clinical evaluation of insomnia
5. Compare and contrast behavioral versus medication treatment for insomnia
6. List the most common abnormal behaviors that occur during sleep (parasomnias)
7. Compare and contrast jet lag and shift work sleep disorder with advanced and delayed sleep phase syndromes (circadian rhythm disorders) in adults and children
Rotations:
The trainee will see patients at the USF, VA and TGH Sleep clinics as well as in-patient consults. Trainees will... Furthermore, they will have a plan developed as to the diagnostic and therapeutic approach to each of these disorders.

Rheumatology Blackboard Website includes PowerPoints, links and interactive didactics for students, weekly Rheumatology conference with faculty and trainees, and Joint Injection Workshop with simulators.

Patient Encounters:
The student will have the opportunity to rotate with a variety of rheumatology faculty at sites including; USF Morsani... skills. There are additional opportunities to have exposure to musculoskeletal ultrasound in the clinical setting.

Evaluation:
Students will be evaluated by the course director or his designee, at the end of the course, by... Grades are determined by: 75% clinical evaluations and 25% by final examination. The student will receive a final evaluation from the faculty preceptor with which they were assigned.

Syllabus:

Visiting Students:

Special Instructions:

Int Med | Pulm/Sleep Med | MEL 8340 Pulmonary Disease
--- | --- | ---
TGH | Adult Med, Pri Care
1 - 11 | 2 | 0 | 44 | 2,4 | Solomon, David
Clinical

Contact:
Pat Oswald, Administrator
poswald@health.usf.edu

Report to:
Dr. David Solomon
dsolomon@health.usf.edu

Description:
Objectives:
1. Be able to perform a history and physical examination as it relates to pulmonary disease
2. Know how to order and interpret basic laboratory tests such as chest X-rays, CT scans, arter... 3. Have an understanding of the common pulmonary disorders, including their diagnosis and treatment.
4. Have a working knowledge of pulmonary physiology, especially as it relates to respiratory function.
5. Have a familiarity with a number of emergent conditions seen in the Medical Intensive Care...
Rotation Activities:
The student will receive training at one of our clinical institutions by evaluating patients, rounding with the consultation team, and participation in conferences. A didactic lecture series may also be given.

At TGH: The student will work as part of the pulmonary consult team. There is a separate MICU team at TGH so critical care medicine will not be a component of the TGH experience for this course.

At TVAH: The student will work as part of the pulmonary consult team. There is a separate MICU team staffed by students participating in the senior clerkship. This site is therefore unavailable for a critical care rotation.

Patient Encounters:
Evaluation:
The student will be evaluated on a daily and ongoing basis by the consult attending.

Syllabus:
Visiting Students:
No

Special Instructions:
N/A

Int Med  Pulm/Sleep Med  MEL 8340 Pulmonary Disease
T-VAH 1 - 11  Adult Med, Pri Care
2 0 44 2,4  Solomon, David
Clinical

Contact:
Pat Oswald, Administrator
poswald@health.usf.edu

Report to:
Dr. David Solomon
dsolomon@health.usf.edu

Description:
Objectives:
1. Be able to perform a history and physical examination as it relates to pulmonary disease
2. Know how to order and interpret basic laboratory tests such as chest X-rays, CT scans, arterial blood gases, and pulmonary function tests
3. Have an understanding of the common pulmonary disorders, including their diagnosis and treatment
4. Have a working knowledge of pulmonary physiology, especially as it relates to respiratory failure and the use of respiratory therapy (ventilators, oxygen, etc.)
5. Have a familiarity with a number of emergent conditions seen in the Medical Intensive Care Unit (Moffitt; not at T-VAH or TGH for this course)
At TGH: The student will work as part of the pulmonary consult team. There is a separate MICU team at TGH so critical care medicine will not be a component of the TGH experience for this course.

At TVAH: The student will work as part of the pulmonary consult team. There is a separate MICU team staffed by students participating in the senior clerkship. This site is therefore unavailable for a critical care rotation.

Patient Encounters:

The student will be evaluated on a daily and ongoing basis by the consult attending.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Int Med  Rheum  MEL 8339  Rheumatology  Clinical Elective  MOR /TGH /VA /STC  1-11  None  2  0  40  2,4  Valeriano, Joanne  Clinical

Click here for additional course information

Contact: Kimberly Harding
kharding@health.usf.edu
(813) 974-2681

Report to: Valeriano-Marcet, MD
jvaleria@health.usf.edu

Description: Rheumatology is a specialty in internal medicine devoted to the diagnosis and management of patients with rheumatic diseases. Rheumatologic diseases affect the musculoskeletal system and may also involve the joints, muscles, tendons, ligaments, bursae, and serosal surfaces of the body. Many rheumatologic diseases are chronic and progressive and may require treatment for the rest of the patient's life. The goals of therapy are to achieve disease remission or improvement and to minimize long-term complications. Rheumatologists care for patients with a wide variety of conditions, including inflammatory arthritis, osteoarthritis, connective tissue diseases, vasculitis, rheumatoid arthritis, psoriatic arthritis, ankylosing spondylitis, gout, osteoporosis, and osteoarthritis.

Objectives:

1. Perform a history, and musculoskeletal examination on patients presenting to the rheumatology clinic
2. Generate a differential diagnosis in the evaluation of patients presenting with common musculoskeletal complaints
3. Interpret relevant laboratory tests, and x-rays
4. List the indications for arthrocentesis in general and interpret synovial fluid analysis
5. Recognize common rheumatologic syndromes and the general principles of their management

Rotation Activities:

Participate in outpatient rheumatology clinic
Optional to participate in rheumatology inpatient consults
Attend weekly rheumatology conferences
Joint injection simulation
Opportunity for M5K ultrasound

Patient Encounters:

During this elective, the student will actively participate on the rheumatology service in the outpatient setting. A variety of patient encounters will be encountered, with exposure to both common and uncommon rheumatic diseases. This will include both the care of chronic and acute disease settings. The attending physicians will use their expertise to guide the student as they learn the art of care and management of the rheumatology service.

Syllabus:

Visiting Students:

Special Instructions:

LVH-

8339 Rheumatology Clinical Elective

Yr 4 Status 1 0 44 2, 4 Ross, James Clinical

Description: The rheumatology rotation will offer experience to observe and manage patients with a wide variety of rheumatic diseases. Students will learn to understand rheumatic disorders as well as the techniques of assessment, therapy and chronic and acute disease management.

Objectives: At the successful completion of this course students will be able to:

Perform an appropriate history and physical examination on patients with common systemic rheumatic diseases
Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic diseases
Understand the pathophysiology of the common rheumatologic, and musculoskeletal diagnoses
Construct an appropriate differential diagnosis when evaluating patients with systemic rheumatic disease, and other musculoskeletal conditions.

Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in rheumatology clinics and design an appropriate differential diagnosis, and diagnostic and therapeutic plans for the more common conditions.

Develop skills of professionalism, interpersonal communication, systems based practice, and practice based improvement in the clinical setting.

Rotation Activities:
Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient rheumatology clinics, and inpatient consults.

Patient Encounters:
Ambulatory visits and inpatient consults

Evaluation:
Students will be evaluated based on the ACGME competencies. Grades are determined by:

75% clinical evaluation, 25% journal article presentation.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Davida Leayman
LVHN DOE
Davida_M.Leayman@lvhn.org

Dr. James Ross
James.Ross@lvh.com

Report to:
Dr. Ross, Rheumatology
3080 Hamilton Blvd
Allentown, PA
10 am
Description: This elective is a multi-disciplinary four-week course designed to enhance the student’s competence in recognizing and managing problems in various specialties.

Objectives:
1. Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in rheumatology, dermatology, orthopedics, and musculoskeletal disorders.
2. Recognize the clinical, laboratory, and radiographic features of the more common systemic rheumatic disease, dermatologic, orthopedic, and musculoskeletal diseases.
3. Understand the pathophysiology of the common rheumatologic, dermatologic, orthopaedic, and musculoskeletal diagnoses.

Rotation Activities:
- Skin biopsy and suturing workshop providing hands-on experience
- Injection and aspiration workshop utilizing injection models, followed by clinical experiences
- Opportunity to become familiar with hands-on musculoskeletal ultrasound in a clinical setting
- Didactics and clinical exposure to musculoskeletal diagnostic imaging
- Online and live didactics and knowledge self-checks aimed at providing a basis for increasing knowledge in these specialties

Patient Encounters:
- Evaluation: Based on presentation score and faculty evaluations

Syllabus:
- Visiting Students:
- Special Instructions:

| Interdept | BCC 8116 Intro to Derm, Ortho, and Rheum | USFMS 1 - 11 | Yr 4 Status | 6 | 2 | 40 | 4 | Valeria no, Joanne | Clinical

Contact: Jamie Cooper, PhD
jcooper8@health.usf.edu
(813) 974-2718

Report to: Clinical sites include: Morsani, USF South, Tampa General Hospital, and the James A. Haley

Click here for additional course information
This elective is a multi-disciplinary four-week course designed to enhance the student’s competence in the recognition, evaluation, and treatment of patients presenting with conditions commonly seen in rheumatology, dermatology, orthopedics, sports medicine, and musculoskeletal medicine.

Objectives:
1. Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in rheumatology, dermatology, orthopedic, and sports medicine specialties.
2. Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic, dermatologic, orthopedic, and musculoskeletal diseases.
3. Understand the pathophysiology of the common rheumatologic, dermatologic, orthopedic, and musculoskeletal diagnoses.

Rotation Activities:
1. Skin biopsy and suturing workshop providing hands-on experience.
2. Injection and aspiration workshop utilizing injection models, followed by clinical experiences to learn to perform joint injections and aspirations on patients with direct supervision.
3. Opportunity to become familiar with hands-on musculoskeletal ultrasound in a clinical setting.
4. Didactics and clinical exposure to musculoskeletal diagnostic imaging.
5. Online and live didactics and knowledge self-checks aimed at providing a basis for increasing knowledge in these specialties serving as a great preparation for USMLE.

Patient Encounters:
TBD

Evaluation:
Preceptor competency based evaluations, workshop participation, Case presentation

Syllabus:
Intro to Derm Ortho Rheum Syllabus AY 2018 2019.pdf

Visiting Students:
No

Special Instructions:
N/A

<table>
<thead>
<tr>
<th>Interdepartment</th>
<th>MDC Code</th>
<th>Yr 4 Status</th>
<th>Clinical Hours</th>
<th>Start Date</th>
<th>End Date</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Critical Care Medicine</td>
<td>LVH-CC</td>
<td>1 - 11</td>
<td>40-80</td>
<td>4</td>
<td>Daniel Schwed-Lustgarten</td>
<td><a href="mailto:Daniel.Schwed@lvhn.org">Daniel.Schwed@lvhn.org</a></td>
</tr>
</tbody>
</table>

Report to: Will be provided one week prior to the start of the rotation.
Objectives:

1. Obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information (i.e. medical personnel (i.e. EMS), ER physicians, available hospital records, and interviews with the patient's family members).

2. Compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings.

3. Recognize critically ill patients with shock as well as trends in vital signs and key laboratory data.

4. Recognize patients with acute respiratory failure based on clinical laboratory data (i.e. blood gases).

5. Analyze and become sensitized to end of life discussions with patients and/or family members.

6. Identify and describe the proper administration and use of the intensive care unit as a scarce and limited health care resource.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in critical care medicine.

Rotation Activities:

This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, Internal Medicine Consult ICU, or OB Consult ICU. The students will evaluate electrocardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

Patient Encounters:

Students will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation.

Syllabus:

Visiting Students:

Lehigh Valley Network
on VSAS.

Special Instructions:

N/A

Contact:

Dr. Daniel Schwed-Lustgarten
Daniel.Schwed@lvhn.org

Report to:

Will be provided one week prior to the start of the rotation.

Description:

This elective is designed to introduce students to the practice of medicine in an intensive care unit. Under the guidance of experienced critical care physicians, students will learn to apply science principles basic to the practice of medicine in the clinical management of complex illness.

Objectives:

1. Obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information (i.e. medical personnel (i.e. EMS), ER physicians, available hospital records, and interviews with the patient's family members).

2. Compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings.

3. Recognize critically ill patients with shock as well as trends in vital signs and key laboratory data.

4. Recognize patients with acute respiratory failure based on clinical laboratory data (i.e. blood gases).

5. Analyze and become sensitized to end of life discussions with patients and/or family members.

6. Identify and describe the proper administration and use of the intensive care unit as a scarce and limited health care resource.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in critical care medicine.
2. Compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings.

3. Recognize critically ill patients with shock as well as trends in vital signs and key laboratory data that identify patients with a rapidly declining, life-threatening condition or a worsening disease state that threatens vital organ function.

4. Recognize patients with acute respiratory failure based on clinical laboratory data (i.e., blood gases) and become familiar with the basics of mechanical ventilation (invasive and non-invasive).

5. Analyze and become sensitized to end-of-life discussions with patients and/or family members.

6. Identify and describe the proper administration and use of the intensive care unit as a scarce and limited health care resource.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in critical care medicine, including medical therapy, and outline an initial course of management for patients with serious conditions requiring critical care.

**Rotation Activities:**

This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, Emergency Medicine, or rotate through the students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

**Patient Encounters:**

Students will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

---

**Interdepartmental Course Information:**

MDC 8340 Critical Care Medicine

Click here for additional course information

---

**Contact:**

Jamie Cooper, PhD

jcooper8@health.usf.edu

(813) 974-2718

---

**Description:**

This course is a selective for USF senior medical students and will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, Emergency Medicine, or rotate through the students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

**Objectives:**

The goals of this fourth year clerkship are to develop an approach to the care of patients with complex, critical illness and to apply science principles basic to the practice of medicine in the clinical management of complex illness.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in critical care medicine, including medical therapy, and outline an initial course of management for patients with serious conditions requiring critical care.
Rotation Activities:
Simulations take a critically ill patient through the ER, a code, and 4-5 days in hospital coverage of a team. Didactics include basics of mechanical ventilator, weaning from mechanical vent and sedation, and analgesia.

Patient Encounters:
Hospital rotations with patient encounters, simulation activities, didactics, and EKG interpretation.

Syllabus:

| Visiting Students: | No |

Special Instructions:
Absences, including for Step and interviews, will not be excused on days 1 or 2.

<p>| Interdepartment | BMS 6994B Schol Conc Elective Business | USFMS 1-8 None No Limit 0 44 4 Pross, Susan |
| Interdepartment | BMS 6994D Schol Conc Elect Med Health Disparities | USFMS 1-8 None No Limit 0 44 4 Pross, Susan |
| Interdepartment | BMS 6994G Schol Conc Elect Med Gender | USFMS 1-8 None No Limit 0 44 4 Pross, Susan |
| Interdepartment | BMS 6994H Schol Conc Elect Med Humanities | USFMS 1-8 None No Limit 0 44 4 Pross, Susan |</p>
<table>
<thead>
<tr>
<th>Interdept</th>
<th>BMS 6994L Schol Conc Elect-Law/Medicine</th>
<th>USFMS</th>
<th>1-8</th>
<th>None</th>
<th>No Limit</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Pross, Susan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interdept</td>
<td>BMS 6994N Schol Conc Elect-Nutrition</td>
<td>USFMS</td>
<td>1-8</td>
<td>None</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>4</td>
<td>Pross, Susan</td>
</tr>
<tr>
<td>Interdept</td>
<td>BMS 6994P Schol Conc Elect-Public Health</td>
<td>USFMS</td>
<td>1-8</td>
<td>None</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>4</td>
<td>Pross, Susan</td>
</tr>
<tr>
<td>Interdept</td>
<td>BMS 6994R Schol Conc Elect-Resear</td>
<td>USFMS</td>
<td>1-8</td>
<td>None</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>4</td>
<td>Pross, Susan</td>
</tr>
<tr>
<td>Interdept</td>
<td>BMS 6994S Schol Conc Elect-Hlth Syst Engin</td>
<td>USFMS</td>
<td>1-8</td>
<td>None</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>4</td>
<td>Pross, Susan</td>
</tr>
<tr>
<td>Interdept</td>
<td>MDE 8030 BRIDGE Clinic Elective (Directors)</td>
<td>USFMS</td>
<td>Yearlong</td>
<td>Yr 4 Status, BRIDGE Director</td>
<td>5</td>
<td>0</td>
<td>4</td>
<td>44</td>
<td>González, Eduardo</td>
</tr>
</tbody>
</table>

Contact:
Description:
This longitudinal elective would reinforce and teach the knowledge, skills and attitudes that a...

Objectives:
1. Develop skills to properly manage a multidisciplinary healthcare clinic
2. To form and nurture professional relationships with Moffitt, Hillsborough Health Department
3. Understand the Business/Finance aspect of Medicine through collaboration with Dr. Marshall and the Business Scholarly Concentration
4. Update and renew documents for Clinic Operations including the constitution, employee contracts, fundraising documents, and banking/trust fund documents
5. Provide access to healthcare for patients of many different backgrounds with limited access
7. Integrate meaningful community service with instruction and reflection to enrich the learning experience, teach civic responsibility, encourage lifelong civic engagement, and strengthen communities for the common good

Rotation Activities:

Patient Encounters:
By the end of the elective, students should feel competent managing a multidisciplinary healthcare clinic...

Syllabus:

Visiting Students:
No

Special Instructions:
Only students elected to be the student medical directors for BRIDGE will be eligible for this elective. Students must notify and obtain permission from Drs. Lucy Guerra (lguerra1@health.usf.edu) or Eduardo Gonzalez (egonzalez@health.usf.edu) prior to scheduling.
The elective is designed to strengthen the clinical and mentorship skills of senior medical students by involving them in real-world clinical settings.

Objectives:
1. Identify the special challenges in working with under-served populations, cultural differences, and barriers to access of care.
2. Understand the unique constraints encountered by a free clinic.
3. Attain competency in formulating lesson plans and leading group sessions.
4. Improve clinical body of knowledge and gain proficiency in diagnosis, management, and physical exam skills.
5. Collaborate with an inter-professional team in the management of patients.
6. Become familiar with community resources and their contributions to patient well-being.

Rotation Activities:
1. Weekly Clinics: The clinical mentors are expected to attend a minimum of 15 clinic nights. During clinic, they will lead a medical team and be expected to teach their lowerclassmen appropriate physical exam and diagnosis skills.
2. Clinical Teaching Sessions: The clinical mentors will be expected to formulate and prepare small group sessions that will include clinic flow, interview tactics, physical exam skills, and discussion of common complaints seen in clinic.
3. Research Project: The clinical mentors will have the option to collaborate with directors and staff on an ongoing or developed research project. This project will be developed to allow for submission of an abstract to the Society of Student-Run Free Clinics’ Annual Conference.

Evaluation:
Clinical mentors will be evaluated based on punctuality, professionalism, respectfulness and engagement in teaching. Their performance will also be evaluated based on feedback from clinical preceptors.

Syllabus:
BRIDGE Clinical Mentor Longitudinal Elective Syllabus RVSD222016.pdf

Visiting Students:
No

Special Instructions:
Any student interested in taking the longitudinal BRIDGE Clinic elective will need to apply prior to registering. A very limited number of spaces are available in the elective, so we ask that you complete the application as soon as possible. For applications, contact Dr. Gonzalez.
Contact: Donald Levick, MD, MBA

Donald.Levick@lvhn.org
484-862-4115

Chief Medical Information Officer
Diplomate, Clinical Informatics, ABPM

Latoya Mitchell
Latoya.Mitchell@lvhn.org
484-862-4143

Administrative Support to the Office of the CMIO

Report to: Donald Levick, MD, MBA
Chief Medical Information Officer, LVHN
Information Services 515 Hamilton St. 4th Floor

Description: This elective will be an introduction to Medical Informatics. The elective will include a combination of didactic and practical learning experiences designed to provide a comprehensive understanding of the field of clinical informatics.

Objectives:
1. State and understand how the discipline of clinical informatics intersects with and influences the three domains of clinical care, local and national healthcare systems, and information and communications technologies
2. Understand the role of informatics in population health and value-based care
3. Describe the various roles of a clinical informatician in the healthcare setting
4. Recognize the specific tasks involved in the design, implementation and support of clinical information systems
5. Assess the clinical content of CIS and apply change management techniques to develop evidence based improvements
6. Participate in simple projects with faculty mentors in health informatics, optimization of electronic health record systems, using data analysis techniques for research/quality improvement
7. Recognize database structures and translate data into useful business intelligence tools

Rotation Activities:

1. Meet with scheduled personnel based on mutually agreed upon schedule and locations
2. Attend and participate in various meetings both internal and external to Information Services
3. Perform self-study activities as outlined in syllabus
4. Complete a mutually agreed upon research or development project (4 week elective only)

Patient Encounters:
Evaluation will consist of ongoing appraisal of the student’s ability to assimilate the knowledge presented (both through traditional didactic instruction and in small group discussion) and application of the newly acquired knowledge in small group simulations and debriefing. The deliverables will be determined at the beginning of the rotation; and assessment of those deliverables will be used in the evaluation.

Syllabus:
Clinical Informatics Syllabus.pdf

Visiting Students:
No

Special Instructions:
Any interested student must meet with Dr. Levick to discuss goals of the elective and determine if appropriate, and the expected length of the elective. This should occur prior to start of elective.

Description:
This elective is designed to introduce students to the art and science of simulation in healthcare and how to utilize simulation as an educational tool. The student will be introduced to the simulation process and the role of simulation in teaching and learning. The student will learn how to design and implement a simulation course, including the development of simulation cases, SP scripts, and an effective evaluation tool. The student will also learn how to effectively debrief and incorporate video debriefing into the simulation process.

Objectives:
1. Describe principles of adult learning and experiential learning theories
2. Describe key concepts of teaching with simulation and how to incorporate simulation into curriculum
3. Compare teaching with simulation versus assessing with simulation
4. Describe the various types of simulation modalities and how to choose the modality to best meet course need
5. Review simulation curriculum from a student perspective and design
6. Design and develop an interprofessional simulation course including simulation cases, SP
7. Discuss effective debriefing and apply techniques to practice cases
8. Discuss the effective use of video debriefing
9. Discuss using standardized patients when building simulations and how to utilize the standardize patient
10. Discuss utilizing moulage to add realism to simulation
Rotation Activities:

1. Students will meet with the members of the interdisciplinary simulation team.
2. Students will observe simulations in the sim center and in situ.
3. Students will observe the use of different simulation modalities.
4. Students will complete weekly reflections.
5. Students will develop and present a final project.

Patient Encounters:

N/A

Evaluation:

Students will be evaluated by the course director at the end of the course based on professionalism, reflections, and a final project. The simulation staff and faculty will provide formative and summative evaluations throughout the course.

Visiting Students:

No

Special Instructions:

Any interested student MUST meet with Amy Smith, PhD to discuss individual goals for applying for a simulation in healthcare elective.

Contact:

Dr. Lucy Guerra
lguerra1@health.usf.edu
Dr. Asa Oxner
aoxner@health.usf.edu

Dr. Oxner will be responsible for the evaluations and mentorship of quality improvement projects.

Report to:

Description:

This elective allows third and fourth year medical students to gain experience in delivering medical care to marginalized patients in various settings. Students are required to submit one evaluation from each of TBSM’s three clinical contexts, completed by an attending or resident physician.
Objectives:
1. Work as medical staff at TBSM service events, including street runs, clinics, and the mobile medical clinic
2. Mentor underclassmen during clinic hours
3. Participate in ongoing rapid cycle quality improvement related to the mobile medical clinic,

Rotation Activities:
1. Mobile Clinic: Students are expected to volunteer on the mobile clinic Monday through Friday, both morning and afternoon shifts. Students should arrive at the designated location no later than 7:30 AM. It is expected that students work for the entire day of their assigned week. Students must provide their own transportation to each clinic location.

2. Weekly Service Events: TBSM holds a free clinic at the First Presbyterian Church (412 E Zack St, Tampa, FL 33602) on Thursday from 8:00 AM to 3:00 PM. Students will be expected to volunteer for the entire day of their assigned week. Students must provide their own transportation to the clinic location.

3. Research Project: Students will contribute to an ongoing research project that is directly related to the TBSM mission. Students will be expected to participate in data collection and analysis. Students are encouraged to submit their research for presentation or publication.

Patient Encounters:
Patient encounters will occur with the medical van, see attached sample calendar.

TBSM Medical Van Sites.pdf

Evaluation:
Students will be evaluated based on punctuality, professionalism, participation in all scheduled service events, and effort throughout the rotation.

A PASS grade will be given to students who attend and participate at all scheduled clinical duties. A PASS grade will be given to students who meet criteria for a PASS grade and also demonstrate outstanding performance in clinical duties and research.

Syllabus:

Visiting Students:

Special Instructions:
Description: This elective is designed to introduce senior student to the practice of Physical Medicine and Rehabilitation. Students will have the opportunity to see the continuum of care that physiatrists provide.

Objectives:
1. Observe how patients on acute care are evaluated and how determinations about disposition are made
2. Follow a patient through admission on the inpatient acute rehabilitation unit. Monitor their progress. Participate in team meetings and understand interdisciplinary approach to patient management
3. Become familiar with reading notes written by physical, occupational, and speech therapists
4. Learn how determinations of dispositions upon discharge from acute inpatient rehabilitation are made
5. Understand Functional Independence Measure and how it is used in Acute Rehab

Rotation Activities:
Students will participate in Patient Care within the Inpatient Rehab Centers at Cedar Crest and Muhlenberg campuses.

Patient Encounters:
Students will be evaluated by course director at the end of the course. The grade will be based on evaluations of the faculty who worked with them.

Syllabus:
I. Rationale:
Introduce medical students to postacute care.

II. Course Aims and Outcomes:
Aims
Understand which patients are appropriate for acute rehab vs. LTACH vs. SNF. Understand treatment plans and interventions for patient on rehab. Work as a team to improve patient quality of life. Discharge patient to appropriate level of care.

III. My Assumptions
Students should have basic physical exam skills and basic knowledge of the diagnoses seen

IV. Course Requirements:
1. Students are expected to be present at agreed upon time at agreed upon location.
2. Students are expected to respect colleagues and patients.

Visiting Students:
No

Special Instructions:
N/A
Description: Toxicology is best described broadly as the field of medicine with expertise in the health effects caused by hazardous materials exposures and workplace hazards. Toxicologists oversee the clinical operations of a Poison Center. 

Objectives:
1. Become familiar with fundamental concepts underpinning the clinical management of Toxicological patients. These include formulation of differential diagnoses, implementation of treatment, and development of safe disposition plans.
2. Understand the principles, methods and controversies related to limiting toxic exposures including decontamination, gastric lavage, activated charcoal administration, renal replacement therapy, ion trapping, and hyperbaric oxygen.
3. Review knowledge of basic kinetic principles of drug absorption, redistribution, metabolism, and elimination.
4. Study poisoning epidemiology specifically within populations ‘at risk’ such as toddlers, the elderly, pregnant or nursing women, migrants and immigrants.
5. Complete case studies from approximately 20 classes of drugs and poisons commonly encountered in clinical practice. Emphasis will be placed on assessing severity and initiating timely, appropriate treatment.
6. Learn guiding principles of the management of acute intoxication in the Emergency Department. Commonly abused drugs for specific socioeconomic groups will be reviewed. Withdrawal states will also be discussed.
7. Become familiar with selected antidotes, their uses, doses, side effects and limitations.
8. Develop awareness for important agents of toxinology (naturally occurring toxins). These include plant and animal toxins, especially focusing on native venomous arthropods, reptiles and marine creatures.
9. Understand diagnostic toxicology laboratory techniques, limitations and costs of both qualitative and quantitative analyses.
10. Observe the clinical operation of a Poison Center. Understand the public health role of the Poison Center. A mandatory orientation is to be attended by the student in the first few days of the rotation.

Rotation Activities:
1. A mandatory orientation is to be attended by the student in the first few days of the rotation.
2. Observation and participation in telephone consultations at LVHN Poison Information is expected. Students will review cases referred for medical treatment and other cases of interest.
3. A series of standard cases accompanies independent reading assignments. Expect about 20-24 hours of small group discussion.
4. Attendance at a variety of teaching rounds and meetings will be required.

Contact:
Dawn Yenser
Dawn.Yenser@lvhn.org
(484) 884-2489

Reports are provided one week prior to the start of the rotation.
5. Participation in inpatient consultations is expected. Volumes of patients are variable month to month. Students should keep a record of all patients encountered.

6. Students will be expected to prepare two 10 minute presentations on a pre-approved topic of their choice to be shared with the class. All presentations should be of narrow scope and of sufficient quality to be included in the rotators teaching files for future students to use.

7. Guided tours of the toxicology laboratory and other field trips may be available.

8. The opportunity to conduct clinical or laboratory research, construct toxicology teaching materials, or to write a review paper for publication is encouraged and is available by arrangement in advance of the rotation.

**Patient Encounters:**

1. Case study preparation will be assessed during discussions with the medical toxicologist.

2. Attendance at conferences and assigned poison center shifts will be counted in the evaluation.

3. A written test is administered at the end of the month.

4. For special arrangements involving research, writing or teaching, quality and completion of the project will contribute to the grade.

5. Input on professionalism and participation will be solicited from the Poison Center staff.

**Syllabus:**

- Yes. Apply via Lehigh Valley Network on VSAS.

- N/A

**Special Instructions:**

- No Limit

**Contact:**

Brian Fisher  
610-402-2596  
Brian.Fisher@LVHN.org  

**Description:**

SELECT 4 will occur throughout the year and will consist of two formal teaching blocks called Prologue at the beginning of the rotation and Epilogue at the end. These blocks will include IHI web-based modules and three domain-associated activities with their concomitant written reflections.
Objectives:
1. Facilitate students' identification of strengths and specific areas for leadership and professional development.
2. Describe responsibilities and roles of medical students and physicians as leaders and change agents in medical education and in the evolving healthcare environment.
3. Gather formative and summative assessments of students' clinical skills that incorporate select competencies.

Rotation Activities:
Refer to Syllabus

Patient Encounters:
N/A

Evaluation:
At the end of the course, students will be expected to:
2. Acquire and become skilled at the use of reflection and other life-long learning and assessment methods.
3. Demonstrate further skilled interactions with patients, their families, and other healthcare providers.
4. Demonstrate knowledge and skills in health systems, processes related to optimizing patient care.

Syllabus:

Visiting Students:

Special Instructions:

Contact:
Dr. Vinita Kiluk
vkiluk@health.usf.edu
Dawn Schocken
dschock1@health.usf.edu

Report to:
CAMLS after having received the schedule from the course director

Description:
Faculty will work with each student to design a curriculum to develop advanced proficiency in...
Objectives: At the end of this elective the student will (depending on the initial goals of the students from the course):

1. Demonstrate proficiency with presentations based upon a validated assessment tool
2. Discuss the process to efficiently conduct a chart review
3. Display confidence and assertiveness when developing a management plan for the patient.
4. Analyze their improvements in their communication skills
5. Document an improvement in the flow of their history taking
6. Document an improvement in the flow of their physical exam

Rotation Activities: Students will participate in this elective in the CAMLS, seeing standardized patients, observing videos, participating in small group sessions on different topics, and developing experience in electronic charting. Occasionally students will practice in the clinical outpatient setting.

Patient Encounters: Evaluations

Students will be evaluated using checklists to provide a 360 review of their performance - the student will complete checklists at the time and at the end of the elective to evaluate their progress.

Syllabus:

Visiting Students:

No

Special Instructions: Any student who wishes to complete this elective will need to meet with either Dr. Vinita Kiluk or Dawn Schocken to confirm elective availability and so that they can match student needs to the available resources.

Contact:

Angela Davis
Angela.Davis@lvhn.org
(610) 402-2316

Bryan Kane, MD
Bryan.Kane@lvhn.org

Report to: N/A
Description:
This is a required course for all SELECT students. It will consist of a Project that results in scholarly output. This course is given the equivalent of four-weeks of credit for this course. Students must be enrolled by day one of their fourth year.

Objectives:
The overriding goal of this course is to provide an academic opportunity for students to explore a SELECT competency that is both interesting to them and critical to their future practice of medicine. The specific objectives are to:

1. Further develop self-directed learning, evaluative and critical reasoning skills through the design, and execution and reporting of a Project
2. Through the work on the Project, integrate an in-depth understanding of one or more SELECT domains into medical care
3. Experience the modalities of academic reporting, after development and submission of a Proposal which includes the writing of a paper. These modalities should be of a quality appropriate for both professional submission and university archiving.

Rotation Activities:
1. Mentor Contract
2. Proposal
3. Check Ins
4. Abstract
5. Poster
6. Oral Presentation
7. Final Paper

Patient Encounters:
N/A

Evaluation:
At the end of this course, students will be expected to have an in-depth knowledge and expertise in areas of leadership, patient centered care, or health systems and health policy.

Syllabus:
Provided via email and Canvas. Contains important information, dates, and grading rubrics.

Visiting Students:
No

Special Instructions:
N/A

Contact:
Dr. Sweety Jain
Sweety.Jain@lvhn.org

Report to: Dr. Sweety Jain
   Sweety.Jain@lvhn.org

Description: This elective has been designed to provide students opportunities to further explore the SEL competencies of health care disparities in an international context.

Students will be exposed to health care disparities at an international level through immersion in a different culture and health care system in a developing country. Students will be exposed to health care disparities at an international level through immersion in a different culture and health care system in a developing country.

Objectives:
1. To experience team work through collaboration with students from different countries and with the local health care professionals all working towards the same goals (Team Effectiveness and Communication)
2. To compare and contrast the health care systems in India and USA (Health Systems and Health Disparities)
3. To identify the general needs of the local population through an immersion experience (Population centered experience) and develop cultural humility

Rotation Activities:
Students will be required to complete pre-work for the elective which will include readings, discussions on their individual practice or system improvement project and also a summary of their entries into their journaling.

Patient Encounters:
As required by the host institute

Evaluation:
Students will be evaluated by the course director at the end of the course based on their pre-work, reflections, and project. They will also be asked to complete a satisfaction survey of the experience and how they will use what they learned from the experience.

Syllabus:
As required by the host institute

Visiting Students:
No Special Instructions:
Due to the funding provided for this elective through the SELECT Medical Education Fund, it is only offered to SELECT students. The funds will cover the airfare, visa and registration fees. All additional expenses (expenses while in India, travel immunization etc.) are the responsibility of the students. All necessary paperwork needs to be completed as required. Students selected for this elective will be required to communicate promptly as needed. Cultural humility and effective communication are the cornerstones of success of this elective.

Emergency medical insurance is required for all electives abroad.

Interdepartmental Medicine Elective
   Click here for additional course information

Contact:
USFMS Yearlong Yr 4 Status No Limit 0 4 44 Naught in, Ryan
Dr. Ryan Naughtin  
hmaughti@health.usf.edu

This course has unique locations for each activity.

Description: This senior medical student elective is intended to teach the practical and theoretical medical skills necessary to prepare students for situations outside of the hospital setting. The course is open to students in their third and fourth years and is designed to be particularly valuable for those with an interest in sports medicine and outdoor recreation. Students will have the opportunity to practice medical skills in various unique locations throughout the Tampa Bay area.

Objectives:
1. Practice medical skills to be used in situations outside of the hospital setting
2. Gain knowledge of medical conditions related to various outdoor environments and activities
3. Develop understanding of emergency and disaster response systems
4. Increase students' ability to present medical information to peers
5. Gain practical outdoor recreational skills and exposure to local resources

Rotation Activities:

Examples of Activities:
- "No Lifeguard on Duty" held at Ben T. Davis Beach and learn about Basic Water Rescue and Submersion Incidents
- "Hillsborough River Half Marathon" providing First Aid to race participants
- "A 3-Hour Tour" held on an island in the Tampa Bay and learn about Seafood Toxidromes when catching Pufferfish

Patient Encounters:

Students will be evaluated by the course director at the end of the course based on attendance and participation in patient encounters.

Syllabus:

Visiting Students:

Special Instructions: This is a yearlong elective from April through May. Activities are usually held on Saturdays, with fees and equipment rental throughout the year and approximately $500 for the Annual Florida Outdoor Medicine Conference.

Contact: Carlos C. Callegari V. MD MEd DMSc FAAP

<table>
<thead>
<tr>
<th>Interdepartmental Office</th>
<th>MDE 8040 Medical Spanish</th>
<th>USFMS</th>
<th>Yearlong</th>
<th>Yr 4</th>
<th>Status</th>
<th>12</th>
<th>0</th>
<th>4</th>
<th>44</th>
<th>Callegari, Carlos</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Click here for additional course information.
A long online course is designed to help students reduce their communication and cultural gaps with Medical Spanish speaking patients. The course aims to improve and facilitate more successful bi-cultural interactions with Spanish speaking patients with Limited English Proficiency (LELP). It also focuses on increasing medical Spanish vocabulary for various clinical scenarios, developing initial rapport for communication, taking a basic medical history, and providing instructions for performing a physical examination.

Objectives:
1. Increase cultural awareness and sensitivity to improve and facilitate more successful bi-cultural interactions with Spanish speaking patients with LELP.
2. Increase medical Spanish vocabulary for a variety of common clinical scenarios.
3. Develop an initial rapport to initiate communication with Spanish speaking patients with LELP.
4. Take a basic medical history and provide the appropriate basic instructions for performing a physical examination.

Rotation Activities:
Online and face-to-face pre-assessment test, Online and interactive learning modules.

Patient Encounters:
N/A

Evaluation:
Online Course Final Assessment - 60%
Faculty Supervisor Evaluation (on overall improvement, commitment, and verbal skills) - 40%

Syllabus:
Provided before the course

Visiting Students:
No

Special Instructions:
Prior approval and online course log-in required. Students must be accepted into the course, and they will be evaluated through a face-to-face final assessment (in-person or Skype), which may include OSCEs or other educational strategies.

Interdepartmental Medical Spanish/Culture

Interdept: MDE 8044
Int'l Medical Spanish/Culture

EXT: 1-9 Yr 4 Status: No Limit 0 40 4 Callegari, Carlos

Clinical
Description:
This elective is designed to provide USF Medical Students an opportunity to participate in an established international research project which focuses on health care in a Spanish speaking country.

Objectives:
1. Students will be able to establish communication in Spanish to the degree of:
   a. Understanding a patient’s needs for seeking health care and obtaining their reason for the encounter (chief complaint)
   b. Conducting basic medical interviews and being able to characterize the signs and symptoms of the patient
   c. Being able to communicate requests when performing a general physical examination
2. Students will understand the differences between various clinical settings in the country visited and compare them with the USA facilities and health system.
3. Students will compare medical problems and health needs from local population with the Hispanic and non-Hispanic USA population.
4. Students will understand and be sensitive to local, family, and cultural values and be able to compare them to the USA Hispanic and non-Hispanic population.

Rotation Activities:
On this International Course, Students will be expected to learn and achieve the educational goals and objectives at an approved international site, through the following methodologies and activities:
1. Students will assist formal Medical Spanish classes at the approved international institution.
2. Under the supervision of a Spanish speaking Clinical Faculty, students will evaluate and take a detailed history of new Spanish speaking patients.
3. During the elective students will accompany and observe Spanish Speaking medical and nursing personnel testing on their patients focusing in learning the communication and cultural skills.
4. Students will immerse in social and cultural activities organized by the approved international institution to understand and engage better in the Latin cultural environment.

Patient Encounters:
Evaluation:
1. Performance obtaining a clinical medical history in Spanish which may be conducted in an OSCE or another format before and after the experience.
3. Informal presentation to the course directors on their experience as it relates to the cultural and medical Spanish aspects of the course.

Syllabus:
Visiting Students:

Special Instructions:

Interested students should sign up no later than 6 months prior to the course. Students should also plan to schedule a meeting with Drs. Callegari or Gonzalez to review the requirements no later than 6 months prior to the course.

Emergency medical insurance is required for all electives abroad. For all International requirements, please contact the USF Health Office of International Affairs.

Interdepartmental: MEL 8939 Clinical Science Review

Click here for additional course information

Contact: Report to: Description: Objectives:

Ro
<table>
<thead>
<tr>
<th>Activities:</th>
<th>Patient Encounters:</th>
<th>Evaluation:</th>
<th>Syllabus:</th>
<th>Visiting Study:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
## Description

This elective is designed to introduce senior medical students to the role of the physician educator, a clinical faculty member who integrates basic science teaching in the clinical setting. The elective will focus on teaching essentials of teaching in interprofessional educational sessions, at the bedside as well as in large and small groups.

### Objectives

At the end of this elective the student will be able to:

1. Demonstrate an understanding of the role of an academic physician in the pre-clerkship curriculum.
2. Analyze how to integrate basic science teaching in the clinical setting.
3. Examine and demonstrate the concepts of bedside teaching.

## Contact

**Dr. Vinita Kiluk**  
vkiluk@health.usf.edu

**Dawn Schocken**  
dschock1@health.usf.edu

Report to: CAMLS after schedule has been created by the course director.

---

### Table

<table>
<thead>
<tr>
<th>Interdepartment</th>
<th>Education</th>
<th>MEL8954 Becoming the Physician Educator</th>
<th>USFMS</th>
<th>Yr 4 Status</th>
<th>C</th>
<th>Series</th>
<th>Kiluk, Vinita</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>10</td>
<td>0</td>
<td>40</td>
<td>4</td>
</tr>
</tbody>
</table>

**Yr 4 Status:**
- **C** Series
- **Kiluk, Vinita**
4. Compare effective teaching methods/strategies, feedback/evaluation strategies, and approaches to dealing with difficult learners.

5. Create a session incorporating measurable goals and objectives for a course.

6. Demonstrate an understanding of collaboration with pre-clerkship faculty to teach MS1 and MS2 students effectively in small group and large group active learning settings.

7. Deliver an effective basic science lecture, which integrates active learning principles into the session.

By the end of this elective, the student will have a better understanding of the basic principles of teaching and be able to demonstrate effective teaching techniques.

Rotation Activities:
We will work together to create a curriculum/teaching module that will be used during our sessions with undergraduate students. We will walk through the process of creating the module from creating objectives to creating an effective assessment tool.

Patient Encounters:
Evaluate participation in teaching seminars.
Active collaboration with instructors to develop teaching materials.
Delivery of a well-researched lecture and well-researched small group session.

Syllabus:

Visiting Students:
No

Special Instructions:
Please submit a brief email to one of the faculty prior to signing up for this elective indicating any specific block you would like to work on and your personal goals that you hope to achieve during this elective. Registration requires permission of the course director(s).

Contact:
Jamie Cooper, PhD
jcooper8@health.usf.edu
(813) 974-2718

Report to:
DeWenny, Deborah
Description: This elective will introduce senior students to the practice and theories of adult education. Students will demonstrate the practice of good clinical and small group medical school teaching.

Objectives:
1. Demonstrate the practice of good clinical and small group medical school teaching
2. Apply the theory of adult education to their small group teaching
3. Reflect on teaching experiences in written and verbal media
4. Deliver effective feedback to students and peers

Rotation Activities:
1. Students will attend seminars that introduce them to education pedagogy and effective teaching techniques.
2. Students will also teach for a minimum of 90 hours in the College of Medicine co-facilitating Doctoring 1, 2, and 3 small groups, or the CAMLS experience, with senior faculty.
3. With senior faculty, students will practice assessing the learning activities of underclassmen.
4. Students will reflect and write on their teaching experience.

Patient Encounters:

Evaluation:

By the end of the elective, students should feel competent to teach in both small group and clinical teaching settings. Evaluation of student teaching will be based on a combination of student teaching evaluations, observation of COM course leaders, and direct observation by the elective director.

Syllabus:

Doctoring IV syllabus 2017_18_Catalog.pdf

Visiting Students:

Special Instructions:

All interested students must meet with the course director and obtain approval before registration. Students must agree to hours requirements and need to inform concurrent senior course directors of their involvement in this longitudinal course.

Contact:

Dr. Burt Anderson
banderso@health.usf.edu
(813) 974-2608

Report to:

Michael Ramsamooj

Molec Med

BMS 7260 Research in Molecular Med

USFMS 1 - 11 None 4 0 44 2,4 Faculty Research

Click here for additional course information
Description:
The student will undertake a specific research project in collaboration with one of the faculty. 

Objectives:
The objective of this course is to introduce the student to modern methods and concepts of biomedical research.

Rotation Activities:
- Work with a PI in the Department of Molecular Medicine to:
  1. Identify a research project that is agreed upon by the student and the PI
  2. Design the study
  3. Perform the necessary studies
  4. Analyze the data

Patient Encounters:
N/A

Evaluation:
Evaluation of the student will be based on the mastery of a set of research techniques, the use of these techniques to investigate a research problem, and the collection, evaluation, and interpretation of these experimental findings.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Contact:
Javier Cuevas, Ph.D.
Professor and Associate Chair
jcuevas@health.usf.edu
Report to: Faculty supervisor

Description: This elective will provide experiential learning in pharmacology research.

Objectives: The primary objective of this course is to introduce the student to the research environment. The focus is directed towards enhancing the student's understanding of the research process and the ability to design and execute research projects.

Rotation Activities:
1. Develop hypothesis-driven research plan
2. Master specific research methodologies, such as biochemical assays, fluorescent imaging techniques, behavioral testing, molecular biology techniques, required for successful completion of project
3. Compile and analyze data
4. Develop tables and figures based on data
5. Derive conclusions and present data via verbal and/or written communication

Patient Encounters: N/A

Evaluation: Evaluation will be based on a short paper or oral exam to be determined by arrangement with the instructor.

Syllabus:

Visiting Students: No

Special Instructions: Approval, dates, and duration of course must be arranged with a faculty mentor prior to registering.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
<th>Credits</th>
<th>Prerequisites</th>
<th>Instructor</th>
<th>Faculty</th>
<th>Indep Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEL 9999D</td>
<td>Indep Study - Pharmacology</td>
<td>Dominquez-Rieg, Jessica</td>
<td>4</td>
<td>None</td>
<td>44</td>
<td>2,4</td>
<td>Indep Study</td>
</tr>
</tbody>
</table>
Contact: Jessica Dominguez-Rieg, Ph.D.  
Assistant Professor  
jdominguezrieg@health.usf.edu  
(813) 974-4542

Report to: Faculty Supervisor

Description: This elective will provide experiential learning in physiology research.

Objectives: The primary objective of this course is to introduce the student to the research environment. The student will learn about the research environment and seminars. The student will work as part of the research team on one of the projects current in the department.

Rotation Activities: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Develop hypothesis-driven research plan
2. Master specific research methodologies, such as biochemical assays, fluorescent imaging
3. Compile and analyze data
4. Develop tables and figures based on data
5. Derive conclusions and present data via verbal and/or written communication

Patient Encounters: None

Evaluation: A written report will be required.

Syllabus:

Visiting Students: No

Special Instructions: Approval, dates, and duration of course must be arranged with a faculty mentor prior to registering.

<table>
<thead>
<tr>
<th>Molec Pharm</th>
<th>Physio</th>
<th>USFMS</th>
<th>1 - 11</th>
<th>None</th>
<th>No Limit</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Faculty</th>
<th>Indep Study</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physio</td>
<td></td>
<td>USFMS</td>
<td>1 - 11</td>
<td>None</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>2,4</td>
<td>Faculty</td>
<td>Indep Study</td>
</tr>
<tr>
<td>Neurology</td>
<td>MDT</td>
<td>USFMS</td>
<td>10B, 11A</td>
<td>Yr 4 Status</td>
<td>2</td>
<td>0</td>
<td>40-60</td>
<td>2</td>
<td>Wiranowska, Marzenna</td>
<td>Basic Science</td>
</tr>
</tbody>
</table>
Description:

This is a 2-week elective for fourth year medical students under the supervision of Dr. Marzenna Wiranowska. This course ... CNS Vasculitis), Primary CNS tumors, Paraneoplastic Syndromes, Prion Diseases (Creutzfeldt-Jacob Disease) and Autism.

Objectives:

1. Students will appreciate the role that the immune system plays in many neurological diseases.
2. Students will learn about recent basic scientific advances in immunology and how they translate into clinical therapies.
3. Students will appreciate the process of translating scientific discovery to bedside treatment.
4. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
5. Students will produce a final project examining the role of the immune system in a neurological disease.

Rotation Activities:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will meet with the Course Director (Dr. Wiranowska) prior to and at the start of the rotation to delineate a topic of interest from the "List of Major Topics."
2. In conjunction with the Course Director, students will perform an in-depth literature review on the role of neuro-immunologic therapies in the disease they have chosen to focus on.
3. Students will attend journal clubs and seminars, under the direction of the Course Director, pertaining to their topic of interest.
4. Students will attend outpatient neurology clinics tailored to the disease process they are studying (i.e. neuroimmunology/MS clinic, movement disorders clinic, neuro-oncology clinic, etc.).
5. Students will produce a final scholarly project based on their research to be presented to the course faculty at the conclusion of the 2-week rotation.

Patient Encounters:

Students will spend ~50% of their time in outpatient neurology clinics of their choosing, where they will have exposure to patients with neurological conditions that have proven or suspected immunological etiologies.

Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.
2. Home reading assignments may be given and assessed by the Course Director and clinical preceptors.
3. Students will be required to present a final project (usually in the form of a power point presentation) to the course faculty.

4. The student’s final grade will be based on evaluations from their clinical preceptors and the course faculty.

Please outline when and how the learners will receive feedback on their performance:

1. They will get weekly assessments of their performance from the clinical faculty and the Course Director.

2. They will also get feedback and final assessment at the end of the rotation by the Course Director.

Syllabus:

Visiting Students:

Special Instructions:

Contact:

Jeffrey Radecki, MD
Jeffrey.Radecki@lvhn.org
(610) 402-3560

Report to:
Will be provided one week prior to the start of the rotation

Description:
The Physical Medicine and Rehabilitation/Physiatry elective is intended to allow students the opportunity to develop and hone their clinical and diagnostic skills in the evaluation and management of pain and disability.

Objectives:
At the completion of this clinical rotation, students will be able to:

1. Complete a thorough History of Present Illness

2. Evaluate for risk factors contributing to current injury/illness

3. Perform complete musculoskeletal examination of patients

4. Use imaging appropriately in the evaluation of musculoskeletal injury/illness

5. Develop familiarity and comfort with medications used to mitigate illness/injury
6. Develop familiarity with interventions such as epidural injections, radiofrequency ablation.
7. Develop treatment plan according to best practices.

**Rotation Activities:**

1. Students will participate in the outpatient Physiatry clinics & the Inpatient Rehabilitation Facilities.
2. Students will follow the schedule created for the attendings and nurse practitioner with whom they work.
3. Care is provided at LVHN Cedar Crest and Muhlenberg locations treating patients from early adulthood to geriatric ages.
4. Students are expected to observe, perform selected history and physical evaluations, and learn about certain procedures appropriate for the Physiatry setting.

**Patient Encounters:**

**Evaluation:**

Educational objectives will be provided. Evaluation will be based on attendance and demonstration that the educational objectives have been met.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MDE 8580 Intro to Physical Med &amp; Rehab</th>
<th>T-VAH</th>
<th>1 - 11</th>
<th>None</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>McCarty, Marissa</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**

Prior to rotation, contact:

Shereena Farrington
sfarring@health.usf.edu
(813) 974-4142

A Chief Resident will be assigned to handle on site specifics.

TBI
Faiza.Humayun@va.gov
General Rehab
Joseph.Standley@va.gov
Description: This elective will provide the medical student with a broad and comprehensive educational experience in Physical Medicine and Rehabilitation. Students will spend a week in each area – TBI, General Rehab., EMG and SCI.

Objectives:

- Enable the student to become skilled in functional evaluation and anatomic correlation of pain and motion problems.
- Gain experience in the care of rehabilitation problems.
- Gain insight into the diagnosis of acute pain problems.
- Recognize a conservative treatment model for acute pain problems.
- To acquire experience in the management of patients with traumatic brain injury.
- To understand the role of the rehabilitation team in the management of patients with TBI.
- To gain experience in the neurologic examination of patients with motor and cognitive deficit.
- To acquire experience in the management of patients with Spinal Cord Injury.
- To understand the role of the rehabilitation team in the management of SCI.
- To gain experience with the neurologic examination of patients with SCI.

Rotation Activities:

- Instruction in the evaluation and rehabilitation of a wide range of medical disability conditions including TBI, General Rehab., EMG, SCI, and other disabilities. This will benefit all medical students regardless of their primary area of interest.

Patient Encounters:

- Evaluation: Educational objectives will be provided. Evaluation will be based on attendance and demonstration that the educational objectives have been met.

Syllabus:

- Visiting Students: Yes. Apply via
USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MEL 8671 Elect in Inpatient Gen Neuro</th>
<th>LVHN</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>2, 4</th>
<th>Varrato, Jay</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**

Laura L. Hotchkiss
Laura_L.Hotchkiss@lvhn.org
(484) 884-8964

Report to:
1250 Building, 4th Floor
Neurology Department
Monday at 7:15 AM

The elective is under the supervision of a Neurology attending. Students become an integral part of a team that cares for patients with various neurological diseases. There are opportunities for participating in research projects.

**Objectives:**

1. Master skills in obtaining neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan
4. Become familiar with Neurology beyond the core requirements
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency
7. Learn to perform lumbar punctures
8. Learn basics of EEG and EMG/NCS

Upon completion of this elective, students should understand the principles of diagnosis and management of general neurological disorders.

**Rotation Activities:**

1. Students will perform consults and evaluations of inpatients under direct supervision of attending and residents.
2. Students will care for their own panel of patients under supervision of attending and residents.
2. Students will present at morning report and case conference.

3. Students will accompany their patients to different tests such as EEG and EMG.

4. Students will participate in daily rounds on inpatients.

Patient Encounters:

Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions: Prior approval of Dr. Varrato is required before scheduling this elective.

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MEL 8671 Elect in Inpatient Gen Neuro</th>
<th>TGH</th>
<th>1 - 11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Hurst, Rebecca</th>
</tr>
</thead>
</table>

Contact: Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to: TGH, 9th Floor Room 941-A Monday at 7:00 AM

Description: The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will

Objectives:

1. Master skills in obtaining a neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions
4. Learn how to manage patients presenting with neurological emergencies
5. Become familiar with Neurology beyond the core requirements
6. Gain more independence in dealing with neurological patients
7. Develop readiness for transition into residency
8. Learn to perform lumbar punctures
9. Learn basics of EEG and EMG/NCS

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will evaluate patients in the emergency room and in the hospital under Attending and Resident supervision. Neurological examination skills will be taught to the students at the bedside.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:
Students will see a variety of common and uncommon neurological conditions such as headache, epilepsy, multiple sclerosis, spinal cord disease, myasthenia gravis, Guillain Barre syndrome, and amyotrophic lateral sclerosis.

Evaluation:
Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Neurology  MEL  T-VAH  1 - 11  None  1  0  40  2.4  Clinical
Elective in Inpatient General Neurology

Contact: Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to: James A. Haley VA Hospital
7th Floor Room 7B-711
Monday at 7:00 AM

Description: The elective is under the supervision of Dr. Alfred Frontera. During this rotation, students will become an integral part of a team that cares for patients with various neurological diseases and be expected to function at the sub-intern level.

Objectives:
1. Master skills in obtaining a neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions
4. Learn how to manage patients presenting with neurological emergencies
5. Become familiar with Neurology beyond the core requirements
6. Gain more independence in dealing with neurological patients
7. Develop readiness for transition into residency
8. Learn to perform lumbar punctures
9. Learn basics of EEG and EMG/NCS

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will evaluate patients in the emergency room and in the hospital under Attending and Resident supervision. They will take a history, perform a neurological examination, and manage the patient they pick up. Neurological examination skills will be taught to the students at the bedside.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.
Patient Encounters: Students will see a variety of common and uncommon neurological conditions such as headache, epilepsy, multiple sclerosis, spinal cord disease, myasthenia gravis, Guillain Barre syndrome and amyotrophic lateral sclerosis.

Evaluation: Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MEL 8673 Elective in Epilepsy</th>
<th>TGH</th>
<th>1 - 11</th>
<th>None</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>2.4</th>
<th>Benbadis, Selim</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to: TGH, 9th floor
Room 941-A
Monday at 7:00 AM

Description: The elective is under the supervision of Dr. Selim Benbadis. During this rotation, students wi...
Students may do a two or four-week elective in the Tampa General Hospital Comprehensive Epilepsy Program, USF clinics at ... The student will become an integral part of a team that specializes in the care of patients with refractory epilepsy.

Objectives:
1. Students should understand the differential diagnosis of epilepsy
2. Students should understand the difference between the different types of seizures and epilepsy syndromes and their implications
3. Students will learn the basics of EEG interpretation
4. Students should know the basics of video-EEG monitoring including its role and limitations.
5. Students will learn the medical management of epilepsy patients and will be able to select appropriate medications
6. Students will become familiar with identifying refractory epilepsy patients and will familiarize themselves with non-medical treatments of epilepsy
7. Students will learn the pre-surgical approach to patients with refractory focal epilepsies

Rotation Activities:
1. Students will learn how to obtain a thorough epilepsy history and understand the spectrum of epilepsy syndromes
2. Students will round with the Attendings (and Fellows when applicable) on the patients in the video-EEG monitoring unit daily
3. Students will have the opportunity to understand the basics of electroencephalography by reviewing studies with the Fellows and Attendings daily
4. Students will have several opportunities throughout the month to participate in Wada testing, which is used for language and memory lateralization
5. Attendance at weekly epilepsy surgery conference is mandatory
6. Interested students may also spend a few days at the pediatric epilepsy clinic and video-EEG monitoring unit at All Children’s Hospital based on availability
7. Students may attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds

Patient Encounters:
Students will see patients presenting with epileptic seizures and mimics of epilepsy such as psychogenic non-epileptic seizures. They will see patients in both the inpatient long-term video EEG monitoring unit and in the outpatient clinic setting.

Evaluation:
Students on this rotation will be evaluated through the following methods:
1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given
3. Home reading assignments may be given and assessed by the Attending
Students will receive feedback on their performance:
1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director

Syllabus:

Visiting Students:
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credit</th>
<th>Hours</th>
<th>Prerequisites</th>
<th>Rotation</th>
<th>Contact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neurology</td>
<td>MEL 8674 Elect in Headache &amp; Pain Med</td>
<td>1-11</td>
<td>2</td>
<td>None</td>
<td>40</td>
<td>2,4</td>
</tr>
</tbody>
</table>

Click here for additional course information

Contact: Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to: USF Morsani Clinic
3rd Floor
Monday at 8:00 AM

Description:
The elective is under the supervision of Dr. Kavita Kalidas. During this rotation, third or fourth-year medical students will work under the guidance of Dr. Kalidas to gain an understanding of the differential diagnosis of patients presenting with headaches and pain.

Objectives:
1. Students will understand the differential diagnosis of patients presenting with headaches and pain.
2. Students will understand the acute and chronic management of migraines and other primary and secondary headache syndromes.
3. Students will learn about the various oral and IV medications used for headache management.
4. Students will learn about the various interventional procedures used to treat headache disorders, such as botulinum toxin injections, trigger point injections, and peripheral nerve blockade.
5. Students will learn about other complimentary interventions used to treat headache and pain, including neuromuscular re-education/biofeedback, physical therapy, occupational therapy, and psychological intervention.

Rotation Activities:
Students on this rotation will learn how to obtain a comprehensive medical, neurological, and headache history and understand the spectrum of headache syndromes.
2. Students will learn how to do a detailed neurological examination under the supervision of the Attending physician.

3. Students will observe a variety of interventional procedures such as botulinum toxin injections, trigger point injections, and peripheral nerve blockade.

4. Students will have the opportunity to learn acute treatment of a variety of headaches.

5. Students will become acquainted with the interdisciplinary therapeutic Headache and Pain Medicine Team including but not limited to neuromuscular re-education/biofeedback, physical therapy, occupational therapy, psychological intervention.

6. Participation in Didactic Lectures and Journal Clubs is mandatory.

7. Opportunities to participate in research projects are available.

Patient Encounters: Students will see patients presenting with various headache and pain disorders in the inpatient and outpatient settings. They will also see patients presenting with acute headache and pain issues on the inpatient service at TGH and at the Headache Infusion Suite.

Evaluation: Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.

2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.

3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance.

2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

Contact: Shereena Farrington
Neurology Education Coordinator

sfarring@health.usf.edu

(813) 974-4142

Report to: TBD (dependent on rotation schedule what site you will start at)

Monday at 8:00 AM

Description:
The elective is under the supervision of Dr. Theresa Zesiewicz. All students enrolled in this elective must email Dr. Zesiewicz at tzesiewi@health.usf.edu at the start of the academic year.

During this rotation, third or fourth-year medical students may spend a two or four-week elective... Students will also observe a movement disorder neurosurgeon, either in the OR or in clinic (Drs. Smith and Vale).

The elective is designed as a preceptorship under the supervision of the Movement Disorder Neurologists and Neurosurgeons.

Objectives:
1. Students will understand the pathophysiology of common movement disorders.
2. Students will learn how to diagnose patients presenting with movement disorders such as Parkinson’s disease, atypical parkinsonisms, Essential Tremor, Dystonia, Ataxias, Huntington’s disease and Tic disorders.
3. Students will learn about the medical management of patients with movement disorders, including observing botulinum toxin injections.
4. Students will learn about the surgical management options (DBS) for patients with advanced Parkinson’s disease and dystonia.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will learn how to obtain a comprehensive medical and neurological history in patients presenting with movement disorders.
2. Students will learn how to do a detailed neurological examination in patients presenting with movement disorders under the supervision of the Attending physician.
3. Students will observe the use of botulinum toxin injections in the treatment of certain movement disorders.
4. Students will learn how to select appropriate patients for surgical treatment with Deep Brain Stimulation (DBS).
5. Students will have the opportunity to observe clinical trial visits evaluating the efficacy of experimental drugs in treating various movement disorders.
6. Opportunities to participate in research projects are available.

Patient Encounters:
Students see patients at the North and South Campus Movement Disorder clinics under the supervision of Drs. Zesiewicz, Smith, and Vale. Students will also rotate with the Movement Disorders Neurosurgeons (Drs. Smith and Vale) either in the operating room or in their clinics.

Evaluation:
Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending physician.
2. Home reading assignments may be given and assessed by the Attending.
3. Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director, b.

**Syllabus:**

**Visiting Students:**
Apply via **USF Health Morsani College of Medicine on VSAS.**

**Special Instructions:**

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MEL 8677</th>
<th>LVHN</th>
<th>1 - 11</th>
<th>Yr 4</th>
<th>Status</th>
<th>1</th>
<th>0</th>
<th>44-50</th>
<th>2,4</th>
<th>Varrato, Jay</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:** Hotchkiss

Laura_L.Hotchkkiss@lvhn.org

(484) 884-8964

**Report to:** 1250 Building, 4th Floor Neurology Department

Monday at 7:15 AM

*Description:* With the course director’s assistance, the student will construct a calendar of outpatient experiences which can include an Elective in Neurology, an Elective in Neurology, or an Elective in Neurology. This experience is designed to assist students who want a career in primary care or neurology as they prepare for outpatient delivery of care.

**Objectives:**

1. Master skills in obtaining neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan
4. Learn different pathology in outpatient neurology
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency
7. Learn basics of EEG and EMG/NCS

Upon completion of this elective, students should understand the principles of diagnosis and management of general outpatient neurological disorders.
Rotation Activities:

1. Student will spend time in various outpatient settings under the direct supervision of attendings.
2. Student will spend time evaluating patients on their own and presenting to attending.
3. Students will learn basics of EMG and EEG testing.
4. Students will perform neurologic exams and histories in presence of attendings.
5. Students will attend all necessary conferences.

Patient Encounters:

Evaluation:

Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

Prior approval of Dr. Varrato is required 3 months prior to the rotation.

Contact:

Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to:

TBD based on scheduling. Please contact Course Director and Mrs. Shereena Farrington at least one week prior to the start of the rotation.

Description:

The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will become an integral part of the medical team. They will learn the skills necessary to provide care to neurology patients in an outpatient setting. The clinical experience is designed to prepare students who want a career in primary care or neurology as they prepare for delivering care in the outpatient setting.

The department may assign students to USF Clinics, the James A. Haley or Bay Pines Veteran's Hospitals, Moffitt Cancer Center, Harbourside Medical Tower, or Tampa General Hospital to complete this elective.

Objectives:

1. Master skills in obtaining a neurological history and examination...
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions
4. Become familiar with Neurology beyond the core requirements
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency

Rotation Activities:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will evaluate patients in the outpatient clinic setting under Attending supervision. They will take a complete history and physical examination, and make initial management recommendations.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable.
3. Students will attend and participate in weekly Neurology Morning Report sessions, weekly Neurology Didactic teaching sessions, and weekly Neurology Grand Rounds.

Patient Encounters:

Students will see a variety of common neurological conditions such as headache, neck pain, back pain, stroke, epilepsy, multiple sclerosis, spinal cord disease, Parkinson's disease, essential tremor, dystonia and myasthenia gravis.

Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance.
2. Through feedback and final assessment at the end of the rotation by the Course Director, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

Visiting Students:

Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Clinical
Contact: Hotchkiss
Laura_L.Hotchkiss@lvhn.org
(484) 884-8964

Report Building, 4th Floor
Neurology Department
Monday at 7:15 AM

Description:
This elective is designed to give fourth-year students more extensive exposure to the practice of Vascular Neurology.

Objectives:
1. Recognize the heterogenous nature of stroke syndromes and be able to differentiate them.
2. Apply principles of evidence-based medicine to cerebrovascular diagnosis and management.
3. Evaluate the proper use of laboratory and neuroimaging studies in cerebrovascular diagnosis.
4. Appreciate the diagnostic and management algorithms in acute stroke intervention.
5. Understand the principles of management of acute ischemic stroke.
6. Understand the principles of management of acute hemorrhagic stroke.

Students will see patients at Cedar Crest hospital and Center for Advanced Health Care. Upon completion of this elective, students should understand the principles of diagnosis and management of patients who have vascular neurological disorders.

Rotation Activities:
1. Students will spend time on stroke service evaluating acute stroke patients.
2. Students will perform evaluations of patients under direct supervision of residents and attendings.
3. Students will see patients in the outpt stroke clinic with an attending.
4. Students will spend time rotating in the NSICU covering ICH and SAH patients.
5. Students will spend time in neuro IR evaluating acute stroke patients who undergo mechanical intervention.

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

**Special Instructions:** Meet with the faculty member with whom they plan to work and/or Dr. Varrato to plan the elective prior to scheduling.

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MEL 8678 Vascular Neurology</th>
<th>TGH 1 - 11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>40-60</th>
<th>2,4</th>
<th>Rose, David</th>
<th>Clinical</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Contact info</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shereena Farrington</td>
</tr>
<tr>
<td>Neurology Education Coordinator</td>
</tr>
<tr>
<td><a href="mailto:sfarring@health.usf.edu">sfarring@health.usf.edu</a></td>
</tr>
<tr>
<td>(813) 974-4142</td>
</tr>
</tbody>
</table>

**Report To:**
TGH 9th Floor Room 941-A
Monday at 7:00 AM

**Description:**
The elective is under the supervision of Dr. David Rose. During this rotation, third or fourth-year medical students may do a focused neurological history and examination and evaluate patients using the NIH Stroke Scale under the supervision of the Attending physician. They will learn to recognize the heterogeneous nature of stroke syndromes and be able to differentiate them from non-stroke mimics. Students will also apply principles of evidence-based medicine to cerebrovascular diagnosis and management. They will understand the principles of management of acute ischemic stroke, including the indications and contraindications for use of IV-TPA, IA-TPA, and intravascular clot removal. They will understand the principles of management of acute hemorrhagic stroke, evaluate the proper use of laboratory and neuroimaging studies in cerebrovascular diagnosis, appreciate the diagnostic and management algorithms in acute stroke intervention, identify risk factors and treatment strategies for primary and secondary prevention of strokes, and participate in stroke care. Students will be expected to learn and achieve the educational goals and objectives.

**Objectives:**
1. Learn how to do a focused neurological history and examination and evaluate patients using the NIH Stroke Scale under the supervision of the Attending physician.
2. Recognize the heterogeneous nature of stroke syndromes and be able to differentiate them from non-stroke mimics.
3. Apply principles of evidence-based medicine to cerebrovascular diagnosis and management.
4. Understand the principles of management of acute ischemic stroke, including the indications and contraindications for use of IV-TPA, IA-TPA, and intravascular clot removal.
5. Understand the principles of management of acute hemorrhagic stroke.
6. Evaluate the proper use of laboratory and neuroimaging studies in cerebrovascular diagnosis.
7. Appreciate the diagnostic and management algorithms in acute stroke intervention.
8. Identify risk factors and treatment strategies for primary and secondary prevention of strokes.
1. Students will evaluate patients presenting with stroke-like symptoms in the emergency and inpatient settings under the guidance of the Neurology Attending. Students will participate in interpretative exercises to develop skills in neuroimaging studies as applicable to their patients.

2. Students will evaluate patients in the outpatient stroke clinic where they will learn about secondary stroke prevention strategies and gain experience with the chronic effects of stroke and the dynamic process of neuro-rehabilitation.

3. Students will also gain exposure to interventional neurology as it pertains to the management of ischemic stroke and subarachnoid hemorrhage (intravascular clot removal, intravascular aneurysm coiling, etc.).

4. Students gain experience in critical care neurology as it pertains to the management of patients with ischemic stroke, intracerebral hemorrhage, and subarachnoid hemorrhage.

5. Students will attend and participate in weekly Interdisciplinary Stroke Conference, weekly Neurology Morning Report, weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:

Students will evaluate patients with known or suspected stroke syndromes (acute and chronic) in hospital and ambulatory settings. They will be supervised by the Neurology Attending and will see patients in the outpatient stroke clinics under the supervision of a Vascular Neurology Attending.

Evaluations:

Students on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.

2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.

3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance

2. Through feedback and final assessment at the end of the rotation by the course director, based on clinical evaluations completed by all Residents and Attendings who worked with them

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Contact:

Shereena Farrington

Neurology Education Coordinator
sfarring@health.usf.edu

(813) 974-4142

Report to Dr. Charles Brock prior to start of rotation at cbrock@health.usf.edu.

Description: This is a 2-week or 4-week elective for third or fourth year medical students under the supervision of Dr. Charles Brock. This elective course is designed for the student who is interested in furthering his/her neurological knowledge by exploring various neurological disorders, such as Parkinson’s disease and other movement disorders, neuro-muscular disease and stroke. The elective is offered with approval of the Chairman.

Objectives:
1. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
2. Students will learn how to formulate a research question and scientific hypothesis.
3. Students will learn how to plan a research study to evaluate their hypothesis.
4. Students will learn how to analyze data in order to evaluate their hypothesis.
5. Students will learn how to write a scientific paper presenting the results of their research.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will meet with the Course Director (Dr. Brock) prior to and at the start of the rotation to delineate a topic of interest and identify a Research Mentor (if not already identified).
2. In conjunction with their Research Mentor, students will perform an in-depth literature review, formulate an hypothesis, obtain any pertinent IRB approval, collect and analyze data and create a manuscript reporting their findings.
3. Of note, given that the expectation of this course is that the student produce a publication based on their research, the implication is that the student has already done previous work on the research project prior to enrolling in this elective.

Patient Encounters:
N/A

Evaluation:
The student’s final grade will be based on a review of their final manuscript by the Course Director and their Research Mentor.

Students will receive feedback on their performance:
1. Through weekly assessments of their performance from their Research Mentor
2. Through feedback and final assessment at the end of the rotation by the Course Director.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

<table>
<thead>
<tr>
<th>Neurol ogy</th>
<th>MEL 7320N Externship - Neurology</th>
<th>EXT</th>
<th>1 - 7</th>
<th>Yr 4 Status</th>
<th>No Limit</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Faculty Externship</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neurol ogy</td>
<td>MEL 9999N Indep Study - Neurology</td>
<td>USFMS or LVHN</td>
<td>1 - 11</td>
<td>Yr 4 Status</td>
<td>No Limit</td>
<td>0</td>
<td>40</td>
<td>2.4</td>
<td>Faculty Indep Study</td>
</tr>
<tr>
<td>NeuroS urg</td>
<td>BCC 8122 Neurosurgery AI</td>
<td>TGH</td>
<td>1 - 11</td>
<td>Yr 4 Status</td>
<td>4</td>
<td>0</td>
<td>40-70</td>
<td>4</td>
<td>Greenberg, Mark Clinical</td>
</tr>
</tbody>
</table>

**Contact:**
Kelly Thompson, Residency Coordinator
kpthompson@health.usf.edu
(813) 259-0801

**Report to:**
Neurosurgery Resident for morning rounds at 6:30 am on the first day
Neuroscience ICU 5th Floor at Tampa General Hospital

**Description:**
This will be a clinical experience in which the student will work under the supervision of the Residents and Fellows in general neurosurgery. The student will participate in the management of neurosurgical illness and actively participate in the radiological, clinical, and teaching rounds.

**Objectives:**
This sub-internship elective will give fourth year medical students an opportunity to gain experience in both inpatient and pre-hospital care.

- Students will learn and apply the specifics regarding performing neurological exams; collecting and organizing data in an accurate and logical manner.
- Students will demonstrate interpersonal and communication skills through their interactions; exhibit an understanding of the importance of teamwork and active participation in the care of the patient.
- Students will participate in team-based learning exercises; perform literature and/or database searches on specific topics.
- Students will learn and apply the specifics regarding performing neurological exams; collecting an accurate and logical manner.

**Rotation Activities:**
Students will participate in daily ward rounds and will be integrated into the ward management team. Participation in the operating room will be geared toward individual talents at the discretion of the operating surgeon.

**Didactics:**
Students will be expected to attend Grand Rounds Conference on Friday mornings from 7:30 - 9:30 AM. Depending on the topic, students will be expected to prepare and present a case report or lecture on a neurosurgical topic, no more than ten minutes in length, on a neurosurgical topic, to both demonstrate and develop their presentation skills.

**Patient Encounters:**
Students will have the opportunity to work with patients in the outpatient clinics of USF Health's STC Building, Tampa General Hospital's Neuro-ICU, and Tampa General Hospital's fifth floor inpatient care.

Encounters will include gathering detailed patient history; performing and/or assisting in patient evaluations and minor procedures with the direct supervision of a neurosurgical resident and/or attending.
Evaluation: At the conclusion of the rotation, the student should be quite familiar with and have a basic understanding of the scope of neurosurgery.

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: Encouraged to enroll in period 2 or 3.

<table>
<thead>
<tr>
<th>NeuroSurg</th>
<th>BCC 8122 Neurosurgery AI</th>
<th>LVH-CC 1-11</th>
<th>Yr 4 Status</th>
<th>1 0</th>
<th>40-70</th>
<th>4</th>
<th>Li, Mark</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Joseph Stirparo, MD
Joseph_J.Stirparo@lvhn.org

Report to: LVHN Cedar Crest

Description: A subinternship in the field of neurosurgery encompassing emergent and elective procedures.

Objectives:
1. Describe common neurosurgical disorders
2. Be able to develop a differential diagnosis for a patient with neurosurgical disease
3. Assist in neurosurgical cases and procedures
4. Participate in daily rounds and evaluations of patients

Rotation Activities:

Patient Encounter:
Clinic, Operative, Floor, Intensive care

Evaluation:
Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
Special Instructions:

Contact: Kelly Thompson, Residency Coordinator  
kpthompson@health.usf.edu  
(813) 259-0901

Report to: Mark Greenberg, M.D., Program Director, unless specifically assigned to another faculty member.

Description: This rotation is considered an introductory step for students who may be planning an academic course and can be tailored to the individual student’s interests and needs.

Students will identify a specific research topic of interest, whether independently, or in collaboration with ongoing research projects at the University of South Florida (USF) or at local institutions. Students will work with a specific faculty member, appropriate to their area of interest.

Research proposals should be submitted to Dr. Greenberg and Kelly Thompson at least two weeks prior to the start of the course to ensure adequate time for review, revisions, and planning.

Objectives:

1. Create a preliminary outline of the depth and goals of their research period.
2. Review published literature pertaining to the clinical area or topic; evaluate and critique publications.
3. Familiarize themselves with the various methods associated with data collection, interpretation, and analysis.
4. Gain a general understanding of the opportunities, sources, and challenges associated with securing funding and resources for research.
5. At the end of the elective, students should be able to report on their research, including initial goals, contributions, findings, etc.

Rotation Activities:

The student will be exposed to a variety of techniques currently used in neuroscience research including anatomic, physiological, radiological, and behavioral research models. Short clinical research projects can also be arranged if planned well in advance.

Patient Encounters:

Patient interaction will be limited, and non-clinical in nature. If the project proposal requires patient interaction the student must provide a full explanation of the nature of the observation and/or encounters, along with a justification in the initial proposal.

Evaluation:

Evaluation will be based on faculty assessment of the student’s research productivity, including a final report submission explaining methods, findings, conclusions, unknowns, implications, etc.

Syllabus:
| Special Instructions: |

| NeuroSurg | MEL7320V Externship - Neurosurgery | EXT | 1 - 7 | Yr 4 | Status | No Limit | 0 | 44 | 4 | Faculty Externship |
| NeuroSurg | MEL9999V Indep Study - Neurosurgery | USFMS | 1 - 11 | Yr 4 | Status | No Limit | 0 | 40 | 2,4 | Faculty Indep Study |
| Ob/Gyn | MDE8162 Gynecologic Oncology | LVH-CC | 1 - 11 | Yr 4 | Status | 1 | 0 | 80 | 4 | Martino, Martin Clinical |

Contact: Dr. Martin Martino

Martin.Martino@lvhn.org

Report to: Lehigh Valley Hospital Cedar Crest, 7C

Monday 6:00 AM

Call chief gynecologic oncology resident to set up specific expectations and requirements

Description: Students will be expected to demonstrate a level of skill in-patient care of both gynecologic oncology in-patients and... by completing all intern related administrative tasks under supervision of chief resident and assigned faculty mentor.

Objectives:

1. Will act as the primary provider (house officer): admit, develop management and diagnostic plan for the gynecologic oncology patient and have plan for initial orders for assigned patients
2. Will follow up on patient’s status and develops new management and diagnostic plans for assigned gynecologic oncology patient
3. Will be assistant surgeon for procedures as level of training allows
4. Will follow, round on, document upon, and present assigned patients on the gynecologic oncology service during daily rounds
5. Will manage a sufficient number of patients as a medical student to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for oncologic patients
6. Will see patient in the ambulatory gynecologic office setting with faculty attendings when possible
7. Will participate in and develop an understanding for the principles of robotic surgery.

8. Develop communication skills regarding the care of complex patients with morbidity and comorbidities.

9. Will research, prepare, and present a 15 minute oral presentation relating to a chosen gynecologic oncology topic during the rotation.

Rotation Activities:

The student will work with the Gynecologic Oncology team caring for patients on the wards, in the OR, and in the ambulatory setting. Participate as acting intern in all assigned pre-operative and post-operative care and procedures.

2. Participate in new consults and emergency room evaluations as acting intern and be responsible for examining and evaluating patients within the timeframe of his/her time on service. The student will check out to the OB/GYN resident assigned to ward call or faculty on call.

3. The student will attend all conferences and lectures that the Gynecologic team intern is required to attend.

4. The student will be responsible for writing clinic and/or inpatient notes as assigned by the chief resident.

Patient Encounters:

Evaluation will be based on clinical performance in the role as acting intern to include assessment of:

Daily Inpatient Service clinical observation

Daily Ambulatory service clinical observation

Daily Surgical service clinical observation

Daily oral feedback

End of period oral feedback

Written feedback

Written evaluation by the chief resident and Gynecology Oncology faculty assigned to the team.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Ob/Gyn MDE 8164 Adv Ob/Gyn Milestones Elective 10B Yr 4 Status No Limit 0 40 2 Jones, Stephanie-Marie Clinical

Click here for additional course information.
Contact: Stephanie-Marie Jones
Stephanie-Ma_L.Jones@lvhn.org

Report to: Labor & Delivery, 3rd Floor Jaindl
Lehigh Valley Hospital, Cedar Crest
Monday 7:00 AM

Description: This elective is designed for senior students who have chosen to pursue a career in obstetrics & gynecology. It will focus on preparing students to work independently as clinicians and members of the healthcare team. Under the supervision of clinical faculty, students will obtain knowledge and skills that will help facilitate transition into residency.

Objectives:
1. Demonstrate basic knowledge of normal obstetrical care and common medical complications
2. Demonstrate basic knowledge of routine / uncomplicated intrapartum obstetrical care including conduct of labor
3. Demonstrate basic knowledge of normal postpartum care
4. Demonstrate basic surgical procedures and basic gynecology office procedures
5. Demonstrates knowledge of basic abdominal and pelvic anatomy
6. Demonstrates basic knowledge of common ambulatory gynecology problems

Rotation Activities:
Students will undergo a curriculum that addresses each of the ACGME Level 1 Milestones. This will be done through simulation, clinical case scenarios, and case-based learning.

Patient Encounters:
N/A

Evaluation:
Students will be evaluated by performance on meeting the ACGME Level 1 Milestones. This will be done through graded assignments, clinical case scenarios, and simulation exercises. Grades will be determined based on these evaluations done at the end of the course.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Ob/Gyn MDE 8165 Gynecology Elective
LVHN 4 - 11 Yr 4 Status 1 0 60 4 Black, Christina Clinical
Contact: Christina Black
Christina_M.Black@lvhn.org

Report to: Valley Hospital – 17th Street
Monday 7:00 AM

Description:
This elective is intended for those students who wish to obtain additional background in gynecology and gynecologic surgery. The student will be actively involved in providing care for gynecology patients under the supervision of the gynecology team headed by a gynecology resident.

Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plans for assigned patients
2. Will follow up on patient’s status and develop new management and diagnostic plans as needed
3. Will be assistant surgeon and/or participate in procedures as level of training allows
4. Will follow, round on, document upon, and present assigned patients on the gynecology service
5. Will manage a sufficient number of patients as an acting intern to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for gynecology patients
6. Will see patient in the ambulatory gynecology office setting with faculty attendings when assigned
7. Will participate in and develop understanding for the principles of gynecologic surgery

Rotation Activities:
1. Oral presentation at end of rotation
2. Attend OR cases assigned to you by chief gynecology resident unless assigned to clinic that day
3. Gynecology Outpatient clinic four half days/month
4. Each week, student will meet with an assigned clinical attending. During this time, can go over questions on assigned readings:
   - Week 1: Discuss expectations, set up personal objectives for month
   - Week 2: H&P, Operative note, Postoperative Note, and Outpatient Note
   - Week 3: H&P, Operative note, Postoperative Note, and Outpatient note
   - Week 4: Oral Case presentation & Demonstrate One Handed and Two Handed Knots Final
5. Complete Passport
6. Complete Log Sheet regarding surgeries

Patient Encounters:

Evaluation:
Written evaluation by the chief resident and gynecology faculty assigned to the team. Evaluation will be based on participation as an integral part of the team. completion of rotational procedure log will be required.
<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDE 8180 Maternal-Fetal Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>LVHN</td>
<td>1 - 11</td>
</tr>
<tr>
<td>Yr 4 Status</td>
<td>1 0 80 4</td>
</tr>
<tr>
<td>Coassolo, Kara</td>
<td>Clinical</td>
</tr>
</tbody>
</table>

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions: Contact Dr. Black at least one week in advance to set up the first day meeting to review expectations.

Students are allowed to miss one day without having to make the shift up. Students must notify the gynecology rotation attending leader prior to any missed days.

Contact: Kara Coassolo
Kara_M.Coassolo@lvhn.org

Report to: 3900 Hamilton Blvd, Suite 201
Allentown, PA
Monday at 8:00 AM

Description: The purpose of this rotation is to advance your knowledge in the area of Maternal Fetal Medicine. Students will be expected to demonstrate a level of skill in patient care of both high risk obstetrical patients and those requiring pre-conceptual counseling, genetic counseling, and antepartum consultations.

Objectives:
1. Gain exposure and develop a comfort level with inpatient management of MFM patients including antepartum patients in PNU with obstetrical and medical complications and complicated patients on labor and delivery
2. Develop an understanding of the management of patients in the high-risk obstetrical clinic
3. Become familiar with principles of perinatal ultrasound and associated procedures including amniocentesis, chorionic villus sampling, and PUBs
4. Learn about both maternal and obstetrical complication during pregnancy
Rotation Activities:

1. Dr. Coassolo is the preceptor for the rotation, though it is expected that you will interact with the entire MFM staff. Students will meet with Dr. Coassolo at the starting, mid-point, and completion of the rotation. You are responsible for setting all meetings with Dr. Coassolo. She will contact you by email the week prior to the rotation with more specific instructions for the first day - Kara_m.coassolo@lvhn.org.

2. Students are expected to function as a member of the MFM team. The team consists of the MFM personnel including physicians, nurse practitioners, and genetic counselors. The more you interact with the team and the greater initiative and interest you show, the better the experience will be for you.

3. When in the office, students are expected to:
   - Watch ultrasounds and all perinatal procedures
   - Participate in consults with the physicians, nurse practitioners, and genetic counselors

4. Students are expected to follow and participate in the care of designated antepartum patients. They will be assigned patients based on your background, interest, and availability.

5. Students will have the opportunity and be expected to see an appropriate distribution of patients. Students will be expected to present a 15-20 minute talk during the rotation. This presentation will occur either during ultrasound conference or morning report and can focus on a perinatal topic or an interesting patient seen during the rotation.

Patient Encounters:

Evaluation:

- Daily Inpatient Service evaluation
- Daily Ambulatory Service evaluation
- Daily oral feedback
- End of period feedback
- Written feedback
- Completed H&P on antepartum MFM patient and outpatient seen in High Risk Clinic or MFM
- Completed oral project (slide set)
- Completed “antepartum” procedural passport

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

OBGYN MDE 8181 Obstetrics Elective 4 - 11 Yr 4 Status 1 0 60 4 Diven, Liany Clinical
Course Information

Contact:
Dr. Liany Diven
Liany_C.Diven@lvhn.org

Report to:
Labor & Delivery, 3rd Floor
Jaindl
Lehigh Valley Hospital, Cedar Crest
Monday 7:00 AM

Description:
The purpose of this rotation is to advance your knowledge in the area of inpatient obstetrics.

Students will be expected to develop a level of skill in patient care of obstetrical patients comparable to an intern on an obstetrics service by completing all related clinical and administrative tasks under supervision of assigned faculty mentor.

Objectives:
1. Perform initial assessment of patients in the triage area by conducting history and supervised physical exams, determining management, admitting patients as appropriate and counseling patients being discharged on necessary follow-up
2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progress
3. Under supervision, perform vaginal deliveries and laceration repair
4. Participate in cesarean deliveries with level of participation at the discretion of the attending physician
5. Perform postpartum rounds with resident obstetrics team
6. May engage in antepartum teaching rounds

Rotation Activities:
1. Faculty will be responsible for the student’s orientation and completion of the evaluation and evaluation of the student’s skills. You are responsible for setting all meetings with your preceptor so please contact the preceptor at the start of the rotation.
2. Students are expected to function as a member of the obstetrics team. The team consists of the resident staff (PGY1-4), general ob/gyn attending physicians, MFM specialist, ED resident, third year medical students, CNM, and nurses.
3. Students are expected to follow and participate in the care of designated patients. S/he will be assigned 1-3 patients and contributing to management decisions of these patients. To learn the computer system, take the online tutorials at http://lvhwebcontent.lvh.com/?id=2665&sid=1
4. Students will have the opportunity and be expected to see an appropriate distribution of patients that correlates with the student's level of training. There should be no problem completing this list during your rotation. Failure to complete this list may result in an incomplete rotation.
5. Students will be expected to present a 15 minute talk during the last week of the rotation. This presentation will be about a case report or a review of a topic of interest.

Call Schedule:
This course is setup with two weeks of dayfloat from Monday through Friday and two weeks of nightfloat Sunday night through Thursday night. Students may also need to use weekend call shifts to make up time missed during the rotation.

Students will attend morning educational sessions, neonatal and ultrasound conferences, grand rounds presentations, and possibly resident education series.

Patient Encounters:
Evaluation:

- Daily clinical observation from Inpatient Service
- Daily oral feedback
- End of period oral feedback
- Written feedback
- End of rotation oral exam with faculty
- Faculty and Resident assessment
- Completed notes – may be completed in epic and then reviewed by name and MR# by course
- Completed oral project to be presented at morning report in second half of rotation
- Completed procedural passport

Syllabus:

- Visiting Students:
  - Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

Contact: Dr. Christina Black
Christina_M.Black@lvhn.org

Report to: Lehigh Valley Hospital – 17th Street
Monday 7:00 AM

Contact chief gynecology resident by email to get a list of assigned cases for the following day.

Description:

Students will be expected to demonstrate a level of skill in-patient care of both gynecology in-patients and outpatients and complete all theoretical and practical exercises under the supervision of the gynecology resident and assigned faculty mentor.
Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plans for.
2. Will follow up on patient’s status and develops new management and diagnostic plans for assigned patients.
3. Will be assistant surgeon and/or participate in procedures as level of training allows.
4. Will follow, round on, document upon, and present assigned patients on the gynecology service.
5. Will manage a sufficient number of patients as an acting intern to gain skills, attitudes, and knowledge.
6. Will see patient in the ambulatory gynecology office setting with faculty attendings when assigned.
7. Will participate in and develop and understanding for the principles of gynecologic surgery.

Rotation Activities:
1. Oral presentation at end of rotation.
2. Attend OR cases assigned to you by chief gynecology resident unless assigned to clinic.
3. Gynecology Outpatient clinic four half days/ month.
4. Each week, student will meet with an assigned clinical attending. During this time, can go over questions on assigned readings and notes that are due.
5. Weeknight call at Muhlenberg Hospital, covering gynecology and obstetrics.
6. Complete Passport.
7. Complete Log Sheet regarding surgeries.
8. Oral exam on readings.

Week 1:
- Discuss expectations. Set up personal objectives for month.

Week 2:
- H&P, Operative note, Postoperative Note, and Outpatient Note.

Week 3:
- H&P, Operative note, Postoperative Note, and Outpatient note.

Week 4:
- Oral Case presentation & Demonstrate One Handed and Two Handed Knots.

Final Evaluation

Patient Encounters:

Evaluation will be based on clinical performance in the role as acting intern to include assessment.

50% Attending/ Resident Evaluations
20% Case Presentation
20% Notes & Completion of Passport and Log
10% Oral Exam
**Evaluation areas will include:**

- Daily observation of Inpatient Service, Ambulatory, Surgery
- Daily oral feedback
- End of period feedback
- Written feedback
- Oral examination
- Written evaluation by the chief resident and gynecology faculty assigned to the team

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MEL 8420 Ob/Gyn Subspecialty Elective</th>
<th>TGH/MCAH</th>
<th>1-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Mayer, James</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:** Melissa Mancao  
mjmancao@health.usf.edu

**Report to:** Tampa Center (STC)  
6th Fl  
Dr. David Rapkin  
drapkin@health.usf.edu  
(412) 535-1873

**Description:** This elective is offered to introduce the fourth year medical students to 2 subspecialties within the field of Obstetrics/Gynecology. Students will be on scholarly concentration towards publication of a case report or on-going research in an Ob/Gyn subspecialty.

**Objectives:**

1. Provide an introduction and appreciation to an Ob/Gyn sub-specialty
2. Develop student independent interest and research in the sub-specialty
3. Provide the student with a clinical interactive opportunity with a sub-specialty attending

Subspecialties available in the following areas:

- GYN Oncology
- Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
- Maternal Fetal Medicine
- REI (Reproductive Endocrinology & Infertility)
- Outpatient Generalist Ob/Gyn

Rotation Assignments:

- Students will report to the subspecialty divisions which they have chosen at that time the best clinical experience will be discussed with the division members to obtain the most clinically active insight into the 2-week subspecialty rotation.

Patient Encounters:

- Evaluation:
  - The division director of each sub-specialty will be responsible for evaluating the student.

Syllabus:

- Visiting Students:
  - Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

- Contact Melissa Mancao at least two weeks prior to the start of the rotation.
- The department will accept 2 students per month in periods 2, 3, 4, 5, 7, 8, 9, 10. The desired specialty may not always be available, thus students must meet with Dr. David Rapkin prior to the rotation to determine the specific subspecialty.

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDI 8160 Ob/Gyn Acting Internship</th>
<th>LVHN</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-60</th>
<th>4</th>
<th>Jones, Stephanie-Marie</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Clinical</td>
</tr>
</tbody>
</table>

Contact:

Stephanie-Marie Jones
Stephanie-Ma_L.Jones@lvhn.org

Report to:

Delivery, 3rd Floor Jaindl
Lehigh Valley Hospital, Cedar Crest
Monday 7:00 AM

Description:
This course is for those students who wish to gain additional experience in. Requests for the

Objectives:
1. Perform initial assessment of patients in the triage area by conducting history and supervi.
2. In conjunction with residents and attending staff, perform ongoing assessment of intrapart
3. Under supervision, perform vaginal deliveries and laceration repair
4. Participate in cesarean deliveries with level of participation at the discretion of the attendin
5. Perform postpartum rounds with resident obstetrics team
6. May engage in antepartum teaching rounds

Rotation Activities:
Additionally the acting intern on this rotation will participate in ambulatory ob/gyn clinic with
1. Internship faculty will be responsible for the student’s orientation and completion of the ev
2. Acting Intern is expected to function as a member of the obstetrics team. The team consist
3. Acting Intern is expected to follow and participate in the care of designated patients. S/he w
4. Acting Intern will have the opportunity and be expected to see an appropriate distribution of
5. Acting Interns will be expected to present a 15 minute talk during the last week of the rotat
6. The acting intern will participate in ambulatory ob/gyn clinic in a general ob/gyn’s office. 7
7. The acting intern is expected to complete/ discuss four APGO obstetrics topics with a facu
8. Acting intern will be expected to contribute to a medical student lecture to third year studen

Call Schedule:
This course is setup with two weeks of dayfloat from Monday through Friday and two weeks 

Patient Encounters:
Evaluation:
Clinical Evaluations - 50%
Oral Final Exam - 25%
Oral Presentations - 10%
Obstetrical Passport - 5%
Written Notes - 5%
**Oral Teaching Cases - 5%**

**Your Evaluation - The Specifics**

- **Clinical Evaluation** – The faculty that you work with will complete an evaluation through Evalue. At the end of the rotation feedback we will ask for any additional faculty / residents that you wish to receive an evaluation.

- **Oral Final Exam** – You will be given an oral final exam at the end of your rotation covering obstetrics by two attendings.

- **Oral Presentations** - You will be responsible for an oral case presentation that you will give.

- **Obstetrical Passport** – You must complete and hand in a passport of activities.

- **Written Notes** - You are required to complete a H&P weekly. Also a written csection (including the procedural steps), vaginal delivery notes, and a postpartum note. These notes can be typed or hand-written but should be copied from EPIC.

- **Oral Teaching Cases** - You will be assessed on weekly obstetrical teaching cases by residents and faculty.

---

**Honors Eligibility**

Students often ask about what preceptors look for in distinguishing the “average” from the “truly outstanding” or honors student. In order to be eligible for an Honors grade, a student must achieve **ALL** of the following:

1. Attain a honors grade on the final oral exam.

2. Receive outstanding clinical evaluations from the resident team and faculty. Need to be consistently evaluated as a fourth year student or intern level.

3. Demonstrate professional behavior at all times.

4. Participate during scheduled activities except in case of an excused, documented absence.

5. Complete all clerkship requirements.

6. Adhere to the honor code.

---

**Pass with Commendation Eligibility**

In order to be eligible for a pass with commendations grade, a student must achieve **ALL** of the following:

1. Attain a high pass or honors grade on the final oral exam.

2. Receive above average clinical evaluations from the resident team and faculty. Need to be consistently evaluated as a beginning of fourth year, fourth year student, or intern level.

3. Demonstrate professional behavior at all times.

4. Participate during scheduled activities except in case of an excused, documented absence.

5. Complete all clerkship requirements.

6. Adhere to the honor code.

---

**Pass Eligibility**

In order to be eligible for a grade of Pass, a student must achieve **All** of the following:
1. Attain a pass or higher on the oral exam.
2. Receive average evaluations (meet expectations) from clinical preceptors.
3. Complete all clerkship requirements.
4. Demonstrate professional behavior at all times.
5. Demonstrate adherence to the honor code.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDI 8160 Ob/Gyn Acting Internship</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGH</td>
<td>1 - 11 Yr 4 Status 2 0 40-60 4</td>
</tr>
<tr>
<td></td>
<td>Rapkin, David Clinical</td>
</tr>
</tbody>
</table>

**Contact:** Melissa Mancao
mjmancao@health.usf.edu

**Report to:** Tampa Center (STC) 6th Fl Dr. James Mayer Dr. David Rapkin

**Description:**

Ob/Gyn Acting Internship is a month long concentrated clinical experience at Tampa Ger.

**Objectives:**

1. Advance and mature the knowledge base and clinical skills in the care of the obstetrical pa
2. Demonstrate the independence of developing an assessment and plan for patient care to b
3. Acknowledge and demonstrate responsibility and professionalism to patients, team and st.
4. Actively participate in all patient care directly or indirectly, attempting to meet patient care
5. Share knowledge, support, and compassion to patients, team, and staff
6. Reflect, study, read, and be prepared, demonstrating growth by the next shift.

7. Ask for and appreciate constructive feedback.

8. Have fun.

Rotation will be supervised by USF Department of Ob/Gyn clinical faculty and residents through daily didactics and on-the-job supervision.

Patients will be asked to manage at least 2 patients at all times: Triage/Labor and Delivery in conjunction with the resident team.

Evaluation forms will be completed by the Labor and Delivery faculty and resident team.

Syllabus:

Visiting Students:

Special Instructions: Contact Melissa Mancao at least one month prior to the start of the rotation.

---

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MEL 73200 Externship - OB/GYN</th>
<th>EXT</th>
<th>1 - 9</th>
<th>Yr 4 Status</th>
<th>No Limit</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Faculty Externship</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MEL 99990 Indep Study - OB/GYN</th>
<th>USFMS or LVHN</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>No Limit</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Faculty Indep Study</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Oncologic Sciences</th>
<th>MDE 7286 Flex Yr 3 Elective in Onc Hosp Med</th>
<th>MCC</th>
<th>1 - 12</th>
<th>None, Yr 3 only</th>
<th>1</th>
<th>0</th>
<th>40-50</th>
<th>2</th>
<th>Hembree, Timothy Clinical</th>
</tr>
</thead>
</table>

Contact: Dr. Hembree
Timothy.Hembree@moffitt.org
Description: Students will rotate on the Internal and Hospital Medicine (IHM) Inpatient service at Moffitt Cancer Center. The student will attend Daily Table, ICU rounds, and Case Studies in addition to the medical office setting.

Objectives:
1. Introduction to comprehensive, interdisciplinary hospital-based care of cancer patients
2. Learn how to perform complete history and physical examinations
3. Master the art communication with writing a daily progress note as well as oral presentation
4. Develop a thorough differential diagnosis in a problem based fashion
5. Introduction to the management of many common inpatient medical problems/diagnoses

Rotation Activities: with teaching service daily
1. Participate in the daily care of patients and write daily progress note
2. Participate in lecture series, practice H&P skills, oral presentation/case report

Patient Encounters:
10-30 total

Evaluation: Evaluation of the student will reflect the overall performance on the rotation including history and physical examination skills, constructing differential diagnosis and oral presentations by the attending physician.

Syllabus:

Visiting Students:

Special Instructions:

Oncologic Sciences

MDE 8150T Intro to Palliative Onc Medicine and Hospice

MCC 4 - 11 Yr 4 Status 1 0 44 4 Oberoi-Jassal, Ritika Clinical
Description:
This elective is designed to introduce fourth year medical students to palliative care in an oncology setting. Under the guidance of Dr. Oberoi-Jassal, students will develop communication skills and techniques to break bad news and hold meaningful advance care planning discussions.

Objectives:
1. Describe the domains of palliative care and outline means to address each domain in seriously ill patients. (Psychosocial, physical, nutritional, spiritual, cultural, care of the imminently dying patient, and ethical and legal aspects of care)
2. Recognize how to effectively assess and manage complex symptoms including dyspnea, nausea, constipation, anxiety, depression, and decreased appetite.
3. Describe the principles of pain management in patients with chronic life-limiting illness.
4. Demonstrate how to work collaboratively to deliver comprehensive palliative care through an interdisciplinary team approach.
5. Demonstrate patient-centered interview techniques when giving bad news, discussing advance care planning, and identifying symptoms common at the end of life and managing them.
6. Develop communication skills to hold a successful family meeting and hold meaningful advance care planning discussions.
7. Evaluate what is normal and expected in the dying process, how to address these symptoms, and how to guide caregivers in their understanding.
8. Distinguish the services of inpatient hospice versus home hospice and recognize which patients are appropriate for referral to each service.
9. Recognize patients that would benefit from specialized palliative care referral.

Rotation Activities:
Students will see patients on the H. Lee Moffitt Cancer Center palliative care inpatient consultative service and in the outpatient hematology/oncology specialty clinic. Students will work with patients to give bad news, discuss advance care planning, and identify symptoms common at the end of life and manage them.

Patient Encounters:
Students will see patients on the H. Lee Moffitt Cancer Center palliative care inpatient consultative service.

Syllabus:
Students will be evaluated based on clinical evaluations completed by the course director. There is a graded oral presentation, 25% of patient interviews/clinical notes and required journal article reading, and 10% professionalism.

Visiting Students:
No

Special Instructions:
Prior Approval Required: Any interested student MUST meet with Dr. Oberoi-Jassal to plan in advance of starting the elective. If interested, please meet with Dr. Oberoi-Jassal at least 1 month prior to the start of the rotation.
Contact: Jennifer Selner
Management Assistant
Jennifer.Selner@Moffitt.org

Dr. Michael Poch
Michael.Poch@Moffitt.org

Report to: Dr. Poch prior to the start of the rotation for instructions on where to report.

Description: This elective is designed to introduce senior students to the practice of Genitorinary (GU) Oncology. Under the supervision of Dr. Michael Poch, students participating in a 4-week rotation will spend 1 week divided between GU medical oncology and GU pathology.

Objectives:
1. Evaluate patients with newly diagnosed GU malignancies or patients with risk factors for GU malignancies.
2. Become familiar with routine operative management of GU malignancies as well as routine OR practices (sterile technique, suture placement, tying knots) and relevant operative anatomy.
3. Learn routine post-operative care, including the surgical ward, of patients undergoing surgery for GU malignancies.
4. Learn patient-physician skills of effective communication focusing on “delivering bad news”.
5. Participate in GU Tumor Board and Journal Club.
6. Prepare one topic with GU Oncology for presentation at weekly GU tumor board (10 minutes).

Rotation Activities:
Clinical Activities – GU Oncology Clinic – Surgery/Medical Oncology, Pathology, Operative Experience

Patient Encounters:

Evaluation:
1. Medical Knowledge and Practice Based Learning - Does the medical student apply knowledge to clinical situations?
2. Patient Care - Does the medical student actively participate in patient care?
3. Professionalism - Does the medical student act professionally (arrive on time, well groomed, act appropriately)?
4. Communication - Does the medical student communicate effectively with attending staff, residents, and patients?

Syllabus:

Visiting Students: No
Description:
The elective is designed to provide exposure to the presentation, evaluation and treatment of patients with lung and breast cancer.

Objectives:
1. Conduct independently (but under supervision) an efficient consultation of a patient presenting to clinic with a thoracic malignancy
2. Present in a concise, reliable and organized manner patient data during rounds, in tumor board and in clinic
3. Interpret basic Chest X-ray and Chest CT Scan images and findings
4. Demonstrate solid knowledge of chest anatomy and cardio-pulmonary physiology
5. Demonstrate proficiency in the following technical skills: bronchoscopy, sub-cuticular stitching, flawless knot-tying, basic thoracoscopy, basic robotic manoeuvres, insertion/removal of chest tubes

Rotation Activities:
Participation in the operating room and seeing patients in clinic

Patient Encounters:

Evaluation:
The student will be evaluated by the course director at the end of the elective, based on clinical evaluations completed by the attending and fellow on service that month. The student will be expected to complete an oral presentation of a topic of interest by the 4th week of their rotation. Grades are determined by: 75% clinical evaluations and 25% oral presentation.

Syllabus:

Visiting Students:

Special Instructions:

Contact:
Dr. Jacques Fontaine
Jacques.Fontaine@moffitt.org

Report to:
Nancy Niles
(813) 745-7640
Contact: Kristen J. Otto
Kristen.Otto@Moffitt.org

Leanne Vorasse, Management Assistant
(813) 745-2675

Faculty include: Kristen J. Otto, MD (course director), Jimmy J. Caudell, MD, PhD (Radiation Oncology), and Kedar Kirtane, MD (Medical Oncology)

Report to: Contact Dr. Otto prior to the start of the rotation for instructions on where to report.

Description: This elective is designed to give medical students an experience with multidisciplinary cancer care for Head and Neck Oncology. The rotation will take place at Moffitt Cancer Center main campus.

Objectives:
1. Develop an understanding of the clinical applications of head and neck anatomy
2. Practice taking a history on a complex head and neck cancer patient, learn the salient symptoms associated with head and neck cancer
3. Practice head and neck physical examination skills
4. Develop an appreciation for multidisciplinary care of the oncology patient
5. Participate in complex head and neck surgical and reconstructive cases
6. Learn basic postoperative head and neck patient assessment including assessment of flap viability
7. Participate in team rounds and in-patient management with the Head and Neck Oncology team
8. Learn the basic principles involved in Head and Neck radiation planning
9. Learn the basic principles involved in chemotherapy, clinical assessment and evaluation of toxicities in Head and Neck cancer patients

Rotation Activities:
Two-week rotation in Head and Neck Surgery
One-week rotation with Head and Neck Radiation Oncology
One-week rotation with Head and Neck Medical Oncology

We will modify accordingly for students interested in two-week rotation.
**Patient Encounters:**

**Evaluations** will be evaluated by the course director at the end of the rotation, with input from faculty members and residents and fellows with whom the student has worked.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

**Description:**

This elective is designed for medical students who wish to gain an in-depth experience in surgical oncology. The course will provide students with an understanding of the role of the surgeon in the diagnosis, management, and surveillance of cancer patients. Students will have the opportunity to work with surgeons based on disease sites. These sites include: Breast, GI, GU, GYN, Head and Neck, Thoracic and others, as well as 2 days of medical oncology and 2 days of radiation oncology, procedures, inpatient rounds, and tumor boards.

**Objectives:**

1. Expose students to the role of the surgeon in the diagnosis, management, and surveillance of cancer patients.
2. Expose students to the importance other disciplines (medical oncology, radiation oncology, pathology, etc.) play in the management of cancer patients.
3. Introduce students to various emotional responses of patients to cancer and how best to manage these responses.
4. Expose students to the basics of clinical research in the care of cancer patients.
5. Educate students on advantages and disadvantages to different diagnostic tests, surgical choices, chemotherapy regimens, radiation, and screening techniques.

**Rotation Activities:**

The student will be assigned to work with surgeons based on disease sites. These sites include: Breast, GI, GU, GYN, Head and Neck, Thoracic, and others, as well as 2 days of medical oncology and 2 days of radiation oncology, procedures, inpatient rounds, and tumor boards.

**Patient Encounters:**

The student will be evaluated by the course director at the end of the course. The evaluation will be based upon feedback by the attending surgeons that the student worked with. The course will be designed to be satisfactory or unsatisfactory.
Syllabus:

Visiting Students:
Apply via
USF Health Morsani College of Medicine
on VSAS.

Special Approval Required: Students interested in a Surgical Oncology elective at Moffitt need to contact John Kiluk to ensure availability of faculty. The availability of the elective may be dependent on availability of faculty that can be influenced by national meetings and vacations.

Contact:
Dr. Michael Jaglal
mjaglal@health.usf.edu

Report to:
Email Dr. Jaglal prior to the start of the rotation for instructions on where to report.

Description:
The objective of this elective is to provide the student with a basic understanding of the principles of medical Oncologic Sciences.

Objectives:
The clinical experience should allow the student to gain additional knowledge and experience in the following areas:

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue and spleen.
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of neoplastic and hematologic disorders.
4. Students should be able to recommend when to order diagnostic tests and be able to interpret the laboratory test results.
5. Pain management, palliative care and psychosocial management of patients with hematologic and neoplastic disorders.

Rotation Activities:

Noon Lectures
Tumor Boards

Patient Encounters:
**Evaluations**

Students will receive an evaluation by their preceptor.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

Please contact Lorie Jennings and Dr. Michael Jaglal at least one month prior to the rotation.

| Oncologic Sciences | MEL 8309 Inpatient Hematology | MCC 1 - 11 | Adult Med, Pri Care | 1 | 0 | 40 | 2,4 | Jaglal, Michael | Clinical |

**Contact:** Michael Jaglal

mjaglal@health.usf.edu

**Report to:** Dr. Jaglal prior to the start of the rotation for instructions on where to report.

**Description:**

The objective of this elective is to attain a solid understanding of the pathophysiology, clinical manifestations, and management of neoplastic and hematologic disorders. The clinical experience should allow the student to gain additional knowledge and experience in the following areas:

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue and spleen
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of neoplastic and hematologic disorders
3. Chemotherapeutic drugs, growth factors and their mechanisms of action, clinical indications
4. Assessment of tumor imaging by CT, MRI and nuclear imaging techniques
5. Multiagent chemotherapy protocols and combined modality therapies
6. Management of neutropenia and immunocompromised patients

**Rotation Activities:**

Rotate on inpatient hematology team at Moffitt Cancer Center

**Patient Encounters:**

At least 20

**Evaluation:**

Based on evaluation by attending on inpatient hematology
Syllabus:

Visiting Students: No

Special Instructions: Please contact Lorie Jennings and Dr. Michael Jaglal at least two months prior to the rotation.

Oncologic Sciences
MEL 8362
Infect-Cancer/Bone Marrow

Click here for additional course information

Contact:
Dr. Aliyah Baluch
Aliyah.Baluch@moffitt.org

Nichol Bonaparte
Management Assistant, Infectious Diseases
Nichol.Bonaparte@moffitt.org

Report to:
Email Dr. Baluch prior to the start of the rotation for instructions on where to report.

Description:
Bone Marrow Transplant Infectious Disease (BMT ID) rotation is conducted at Moffitt Cancer Center. The BMT ID service is the only ID service at Moffitt and is responsible for the care of patients who are in neutropenic states and need to have their infections treated. This rotation is designed to provide fundamental information that allows for the assessment and treatment of an infectious disease. It also provides an appreciation for the evolution of a patient’s care while in the hospital and understanding how antimicrobial usage can affect it. Finally, it provides insight into the process of selecting antimicrobials and creating durations of therapy.

Objectives:
1. Provide fundamental information that allows for the assessment and treatment of an infectious disease
2. Obtain an appreciation for the evolution of a patient’s care while in the hospital and understanding how antimicrobial usage can affect it
3. Gain insight into the process of selecting antimicrobials and creating durations of therapy

Rotation Activities:
The main component of the rotation is daily rounds with the multidisciplinary team of an ID fellow, ID trained pharmacist, and microbiologist. In addition to rounds, there are weekly didactic sessions on infectious disease topics, and patient rounds. Attendance at James A. Haley VA Bone Marrow Transplant Infectious Disease (BMT ID) rotation is also required. Additional research projects are available on request during the rotation.

Patient Encounters:
Evaluation:
Midway through the elective, there will be an informal evaluation process to allow the student to get early feedback as to their progress. The evaluation will be conducted by Dr. Baluch and will be given back on the process of presentation skills and formulation of a good differential diagnosis from an ID perspective.
**Special Instructions:**

**Oncologic Sciences**

MEL 8366
Adult Bone Marrow Transplant and Cellular Immunotherapy

Click here for additional course information

**Contact:**
Heydi Blackwell
Heydi.Blackwell@moffitt.org
(813) 745-6012

Dr. Michael Nieder
Michael.Nieder@moffitt.org
(813) 745-2191

Report to Dr. Nieder prior to the start of the rotation for instructions on where to report.

**Description:**
This will predominantly be an outpatient rotation focused on the evaluation of patients needing a blood & marrow transplant and cellular immunotherapy. Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will learn about the process of bone marrow transplantation and cellular immunotherapy, evaluate patients, and interact with the team. Medical students will be given although an evaluation of the student's performance will be available at the end of each rotation.

**Objectives:**
1. Have an understanding of the process of bone marrow transplantation and cellular immunotherapy. Learn about the associated immunobiology of immune recovery after transplantation or cellular immunotherapy.
2. Identify the different types of transplantation (syngeneic, allogeneic, and autologous) and the diseases in which each type of transplantation may play a role in therapy. Identify when Cellular Immunotherapy is a preferred treatment.
3. Identify common problems related to cellular immunotherapy & marrow transplantation such as Cytokine Release Syndrome; as well as outline current medical means to support patients until marrow and immune recovery.

**Rotation Activities:**
Actively participate in the evaluation and care of patients in the Outpatient BMT CI Clinics and Treatment Center. Optional inpatient care is available for those students who wish to rotate.

**Patient Encounters:**
Evaluation: No written test; Attending physicians will provide feedback.

**Syllabus:**
Visiting Students: No

Special Instructions: N/A

<table>
<thead>
<tr>
<th>Oncologic Sciences</th>
<th>MEL 7740 Radiation Oncology</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCC 1 - 6</td>
<td>Yr 4 Status 2 0 44 4</td>
</tr>
<tr>
<td>Contact: Angie Courtney</td>
<td></td>
</tr>
<tr>
<td>Report to: Angie Courtney</td>
<td></td>
</tr>
<tr>
<td>Contact: <a href="mailto:Angicourtney@moffitt.org">Angicourtney@moffitt.org</a></td>
<td></td>
</tr>
<tr>
<td>Report to: <a href="mailto:Angicourtney@moffitt.org">Angicourtney@moffitt.org</a></td>
<td></td>
</tr>
<tr>
<td>MCC 4135</td>
<td></td>
</tr>
<tr>
<td>(813) 745-8535</td>
<td></td>
</tr>
</tbody>
</table>

Description: The Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of cancer. Medical Students will attend regularly scheduled tumor board conferences and didactic programs as assigned by their preceptor(s).

Objectives:
1. Medical Students will participate in all aspects of Radiation Oncology including clinical treatment planning, treatment delivery, medical physics, dosimetry, simulation, and port film evaluation.
2. Students will understand the natural history of cancers, the role of radiation therapy in the treatment of cancer, radiation safety, multidisciplinary patient care, specialized treatment procedures, clinic structure and supportive care.
3. Students will learn how to conduct a thorough history and physical examination and how to examine patients to assess tumor response and progression.
4. To enhance the clinical experience and further knowledge, students will be required to do some reading of textbooks and the medical literature as assigned by their preceptor(s).

Rotation Activities:
1. Read at least 10 pertinent articles from the medical literature
2. Attend all departmental conferences and multidisciplinary conferences with the preceptors
3. Participate in simulations, procedures, follow-ups, on treatment visits and treatment planning
4. Present a 15 minute PowerPoint talk on a topic defined with the assistance of the faculty preceptor

Patient Encounters:

Evaluation: At the completion of the elective, training faculty and students will complete performance evaluations.
### Syllabus:

**Visiting Students:**
Apply via
USF Health Morsani College of Medicine
on VSAS.

**Special Instructions:**
No

---

<table>
<thead>
<tr>
<th><strong>Oncologic Sciences</strong></th>
<th><strong>MEL 7320G Externship - Radiation Oncology</strong></th>
<th><strong>EXT</strong></th>
<th>1 - 7</th>
<th>Yr 4</th>
<th>Status</th>
<th>No Limit</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Faculty Externship</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Oncologic Sciences</strong></td>
<td><strong>MEL 9999G Indep Study - Radiation Oncology</strong></td>
<td><strong>USFMS</strong></td>
<td>1 - 11</td>
<td>Yr 4</td>
<td>Status</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>2.4</td>
<td>Faculty Indep Study</td>
</tr>
<tr>
<td><strong>Ophthalmology</strong></td>
<td><strong>MEL 8501 Medical Ophthalmology</strong></td>
<td><strong>MCAH</strong></td>
<td>1 - 11 (Yr 4); 9 - 11 (Yr 3)</td>
<td>Yr 4</td>
<td>Status</td>
<td>2</td>
<td>0</td>
<td>44</td>
<td>2.4</td>
<td>Johnson, Sandra Clinical</td>
</tr>
</tbody>
</table>

**Contact:**
Lizzette Sanchez
lizzette@health.usf.edu

**Report to:**
USF Eye Institute Administrative Offices
1st Floor FOB
First day of rotation

**Description:**
This course teaches the ophthalmic signs and symptoms of systemic medical disease through lectures and patient history to those students who are primarily interested in the specialties of medicine, pediatrics, neurology, and ophthalmology.

**Objectives:**
Students will have basic knowledge of the anatomy, clinical exam, and pathology of diseases of the eye.

**Rotation Activities:**
Attendance in clinics and surgeries of subspecialties
**Patient Encounters:**

**Evaluation:** Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given
2. Students will get weekly assessments of their performance
3. Students will also get feedback and final assessment at the end of the rotation.

**Syllabus:**

**Visiting Students:**
Apply via [USF Health Morsani College of Medicine](#) on VSAS.

**Special Instructions:**

<table>
<thead>
<tr>
<th>Ophthalmology</th>
<th>MEL 8501 Medical Ophthalmology</th>
<th>LVHN 1 - 11 Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Saad, Christine</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Robert Thompson, Practice Manager
LVPG Ophthalmology
Robert.Thompson@lvhn.org
(610) 969-2343

Report to: To be determined by practice manager prior to start of elective

Description: Students will rotate through an outpatient ophthalmic office and will be exposed to general ophthalmology. Students will observe and treat primary ophthalmic conditions including dry eye syndrome, cataract, glaucoma, and macular degeneration.

Objectives:
1. Learn how medical conditions affect the eyes
2. Identify and treat basic ophthalmic conditions
3. Perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy
4. Learn basics of ophthalmic equipment including topography, biometry, and visual field tests.
5. Learn how to triage ophthalmic complaints and learn when to refer and when to treat in a primary care setting.

Rotation Activities:

Outpatient care of patients with attention to basic exam components and equipment.

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Special Instructions:

Prior Approval is Required.

Ophthalmology

MEL 8506
Cornea/External Disease

MCAH 1 - 11 (Yr 4);
9 - 11 (Yr 3)

Yr 4 Status 1 0 44 2.4

España, Edgar

Clinical

Contact: Lizzette Sanchez
lizzette@health.usf.edu

Report to: USF Eye Institute Administrative Offices
1st Floor FOB
First day of rotation

Description: This course is designed for students interested in ophthalmology as a career. Students will participate in the outpatient care of patients with attention to basic exam components and equipment.

Objectives: Students will have basic knowledge of the anatomy, clinical exam, and pathology of disease.

Rotation Activities:

Attendance in clinic and surgeries

Patient Encounters:

Evaluations on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given.
2. Students will get weekly assessments of their performance.

3. Students will also get feedback and final assessment at the end of the rotation.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

**Contact:**

Lizzette Sanchez  
lizzette@health.usf.edu

**Report to:**  
USF Eye Institute Administrative Offices  
1st Floor FOB  
First day of rotation

**Description:**

This course is designed for students interested in ophthalmology as a career. Students will participate in the ... are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

**Objectives:**

Students will have basic knowledge of the anatomy, clinical exam, and pathology of disease.

**Rotation Activities:**

Attendance in clinic and surgeries

**Patient Encounters:**

**Evaluation:**

Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the attendings and a weekly fe
2. Students will get weekly assessments of their performance
3. Students will also get feedback and final assessment at the end of the rotation.

**Syllabus:**
## Ophthalmology (Retinal Elective)

<table>
<thead>
<tr>
<th>Visiting Students:</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Instructions:</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Ophthalmology

**MEL 8507**  
**LVHN** 1 - 11  
**Yr 4**  
**Status** 1  
**Credit Hours** 0  
**Grade** 44-70  
**Kazahaya, Masayuki**  
**Clinical**

### Objectives

1. Learn how medical conditions affect the retina
2. Identify and treat basic retina conditions
3. Perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy
4. Learn basics of ophthalmic equipment including topography, biometry, and visual field tests
5. Learn how to triage retinal complaints and learn when to refer and when to treat in a primary care setting

### Rotation Activities

- Outpatient care of patients with retinal pathophysiology

### Patient Encounters:

**Evaluation** will be determined by daily performance observed during the 4-week elective period.

### Syllabus:

**Visiting Students:**

---

*Contact:* Robert Thompson, Practice Manager  
*LVPG Ophthalmology*  
*Robert.Thompson@lvhn.org*  
*(610) 969-2343*  
*Report to:* To be determined by practice manager prior to elective

*Description:* Students will evaluate patients with diabetic retinopathy, hypertensive retinopathy, senile macular degeneration, retinal vein occlusion, and other retinal pathologies. Students will also learn to perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy, and learn basics of ophthalmic equipment including topography, biometry, and visual field tests. Students will also learn how to triage retinal complaints and learn when to refer and when to treat in a primary care setting. Students will present and discuss a patient they have evaluated during the course at the departmental case conference.
### Course Description:

The course is designed for students interested in ophthalmology as a career. Glaucoma is one of the most common clinical entities in ophthalmology.

### Objectives:

- Students will have basic knowledge of the anatomy, clinical exam, and pathology of the disease of glaucoma.

### Rotation Activities:

- Attendance in clinics and surgeries

### Patient Encounters:

#### Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given.
2. Students will get weekly assessments of their performance.
3. Students will also get feedback and final assessment at the end of the rotation.

### Syllabus:

Visiting Students: No

Special Instructions: N/A
Ophthalmology

**MEL 999E Indep Study - Ophthalmology**

**USFMS** 1 - 11 None No Limit 0 44 2,4 Faculty Indep Study

Ortho

**MDT 8600C Intro to Orthopaedic Peds**

**ACH** 1 - 11 None, Yr 3 only 2 0 40 2 Benfanti, Paul Clinical

Contact: Nicole Rives
nrives@health.usf.edu

Report to: St. Pete Location
Bayboro Office Building
625 6th Avenue South, Suite 450
St. Petersburg, FL 33701
727-898-BONE (2663)

Located directly across the street from Bayfront Medical Center Emergency Room. If you will th Street. Our building is on the right hand side, north of Bayfront Hospital and west of the new

Attendings:
Paul Benfanti, MD – Site Director
Scott W. Beck, MD
Jeff B. Neustadt, MD
Gregory V. Hahn, MD
Drew Warnick, MD
Debi Mitchell – Office Coordinator

Description: This elective is designed to introduce 3rd year medical students to the subspecialty of pediat
Objectives: Students will gain knowledge and exposure to acute and chronic conditions including fractures, congenital anomalies, among other things. The student will participate in clinics and surgery, as well as didactic sessions and case reviews.

Rotation Activities: Daily rounding, dressing changes, seeing consults, assisting in fracture reduction and splinting, and scrubbing into the operating room.

Patient Encounters: Evaluation: Upon completion of this elective, the student should have a basic understanding of the recognition and management of orthopaedics. This write-up will be evaluated by Dr. Benfanti.

Syllabus:

Visiting Students: None, Yr 3 only

Special Instructions: N/A

Ortho MDT 8600C Intro to Orthopaedic Peds

USFMS 1 - 11 None, Yr 3 only 1 0 40 2 Maciel, Maureen Clinical

Contact:
Nicole Rives
nrives@health.usf.edu

Report to:
Shriners Hospital for Children
12502 USF Pine Drive
Tampa, FL 33612
(813) 975-7117 - Office
(813) 975-7129 - Fax
Located on USF Main Campus

Attendings:
Maureen Maciel, MD, Site Director
Joseph Khoury, MD
Cheryl Lawing, MD
**Description:** This elective is designed to introduce 3rd year medical students to the subspecialty of pediatric orthopaedic surgery. It provides an opportunity to gain knowledge and exposure to a wide variety of acute and chronic conditions, and to participate in clinics, scrubbing into the operating room, attending departmental conferences.

**Objectives:**
1. Evaluate patients with neuromusculoskeletal disorders in a multi-disciplinary, patient and family centered environment.

**Rotation Activities:**
- Seeing patients in clinic
- Scrubbing into the operating room
- Attending departmental conferences and lectures
- Interpreting relevant imaging

**Patient Encounters:**
- Evaluation

**Evaluation:**
Upon completion of this elective, the student should have a basic understanding of recognizing and managing acute and chronic musculoskeletal conditions. This write-up will be evaluated by Dr. Maciel.

**Syllabus:**
- Visiting Students: None
- Special Instructions: N/A

---

**Ortho**
- **MDT 8600D**
- **Intro to Orthopaedic Trauma**
- **TGH**
- **1, 9-11**
- **None, Yr 3 only**
- **2 0 40 2**
- **Mir, Hassan**
- **Clinical**

**Contact:**
- **Nicole Rives**
- **nrives@health.usf.edu**

**Report to:**
- Harbourside Medical Tower, Suite 710
  - Monday morning, 7AM

---

**Description:** This elective is designed to introduce 3rd year medical students to the subspecialty of orthopaedic trauma and fracture care. Students will gain knowledge and exposure to a wide variety of acute and chronic conditions, including fractures, dislocations, and bone diseases. The student will participate in clinics and surgery, as well as didactic sessions and case reviews.

**Objectives:**
1. Evaluate patients with traumatic musculoskeletal injuries
2. Observe the reattachment of severed limbs or digits
3. Observe the repair of traumatic upper/lower extremity fractures
4. Learn the principles of fracture reduction and cast application

---

**Ortho**
- **MDT 8600D**
- **Intro to Orthopaedic Trauma**
- **TGH**
- **1, 9-11**
- **None, Yr 3 only**
- **2 0 40 2**
- **Mir, Hassan**
- **Clinical**

**Contact:**
- **Nicole Rives**
- **nrives@health.usf.edu**

**Report to:**
- Harbourside Medical Tower, Suite 710
  - Monday morning, 7AM
Rotation Activities:

Daily rounding, dressing changes, seeing consults, assisting in fracture reduction and splinting, and scrubbing into the operating room.

Patient Encounters:

Evaluation:

The student will see patients at Tampa General Hospital on the in-patient wards, intensive care unit, and emergency department. Students will participate in twice-weekly sub-specialty fracture conferences during their elective rotation.

Upon completion of this elective, the student should understand the principals of orthopaedic trauma management. The student will be evaluated by the trauma attending, H. Claude Sagi at the end of the elective.

Syllabus:

Visiting Students:

No

Special Instructions:

Any interested student MUST email Ann Joyce prior to the elective to receive TGH instructions at least 60 days in advance of the elective.

Contact:
Nicole Rives
nrives@health.usf.edu

Report to:
Will be provided one week prior to the start of the rotation.

Description:

Students will also have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine. This includes exposure to the surgical treatment of benign and malignant disease, sports medicine injuries and trauma of the musculoskeletal system.

Objectives:

1. Understand the anatomy and physiology of the musculoskeletal system, with emphasis on the upper and lower extremities and joints
2. Accurately diagnose, properly manage, and appropriately consult for common orthopedic conditions and injuries
3. Understand which x-rays are appropriate to order for each common condition, and how to interpret them
4. Demonstrate understanding of aspiration and injection techniques
5. Explain the treatment of simple and complex fractures, bone infection and neoplasms
6. Demonstrate understanding of the management of complex soft tissue injuries as they relate to the musculoskeletal system
7. Demonstrate knowledge of the elements of the orthopaedic examination of the injured patient
8. Understand the multidisciplinary role of the Orthopedic Surgeon, Physician Assistant, Nurse, Operating Room Team, Physical Therapist and Athletic Trainers in the provision of coordinated, safe and high quality Orthopaedic care
Rotation Activities:

Students will participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am. Students will also participate in patient encounters and will have opportunities to perform physical examination and history-taking in patient encounters. Students will also participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am - 9 am. Students will also participate in patient encounters and will have opportunities to perform physical examination and history-taking in patient encounters.

Patient Encounters:

Evaluations will be done on an individual basis by the clinical preceptors and will be based on performance in the clinical encounters.

Syllabus:

Visiting Students:

Visiting students are welcome to apply. Please contact Kayla McCollum for more information.

Special Instructions:

Visiting students must apply via USF Health Morsani College of Medicine on VSAS.

Contact:

Kayla McCollum
kmccoll2@health.usf.edu
(813) 974-2406

Description:

Rotation sites are based on the site of rotation. Tentative rotation schedule will be sent to students the week prior to the start of rotation detailing where they should report.
This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology and should be an opportunity for students to observe and participate in the care of patients with otolaryngological problems. Students will also participate in specialty conferences during their elective rotation.

Objectives:
The objective is to provide greater exposure to the field of otolaryngology than what is possible in the basic surgical curriculum, thus allowing students to gain first-hand experience in this area for students who are considering ultimate specialization in this field.

Rotation Activities:
By the completion of the elective, all students will be able to demonstrate proficiency in the otolaryngological head and neck surgery. They will follow patients and will assist at the operative procedures on selected patients. Trainees will also participate in specialty conferences during their elective rotation.

Patient Encounters:

Evaluation:
The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, clinical reasoning, technical skills, bedside manner, observation of surgical skills, communication with patients and families, and subjective elements of interpersonal relationships, motivation, and ability.

Syllabus:

Visiting Students:
Yes.

Apply via
USF Health Morsani College of Medicine
on VSAS.

Special Instructions:

Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to:
To be determined prior to start of rotation

Description:
This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology and will follow them upon their admission to the hospital. They will assist at the operative procedures on selected patients. Trainees will also participate in specialty conferences during their elective rotation.
**Patient Encounters:**

The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, ... and rapport with patients and families and subjective elements of interpersonal relationships, motivation, and ability.

**Syllabus:**

Visiting Students:

No

Special Instructions:

N/A

---

**Otolaryngology Externship - Otolaryngology**

**MEL 7320T**

**EXT 1 - 8 Yr 4 Status No Limit 0 44 4 Faculty Externship**

**Otolaryngology Indep Study - Otolaryngology**

**MEL 9999T**

**USFMS 1 - 11 Yr 4 Status No Limit 0 44 2,4 Faculty Indep Study**

**Anatomic Pathology**

**BMS 7663**

**LVH-CC 4-6, 7B-11 Yr 4 Status 1 0 40-44 2,4 Cornfield, Dennis Clinical**

---

**Contact:**

Davida Leayman

Davida_M.Leayman@lvhn.org

(610) 402-2554

Report to:

Dr. Dennis Cornfield

Dept of Pathology

Dennis.cornfield@lvhn.org

(610) 402-4327

Description:

Students will observe and participate in the daily activities in Anatomic Pathology, including Forensic Pathology. Active participation in conferences will be encouraged. The role of the pathologist as consultant and educator will be demonstrated.
Objectives:
1. Describe the limitations and benefits of a frozen section
2. Analyze the role of the pathologist in different professional activities
3. Analyze important features, including pertinent molecular aspects of select cases encountered
4. Demonstrate appropriate handling and processing of a tissue specimen from its receipt in the Pathology gross room until its status as a finished product on a glass slide
5. Identify major histologic abnormalities in different organ systems

Rotation:
Active observation of tissue processing in the grossing room; attendance of autopsies.

Patient Encounters:
N/A

Evaluation:
Evaluation will be based on assessment of the above objectives by members of the Department of Pathology.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

Description:
The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of clinical pathology. Particular attention will be given to correlation between clinical information and pathologic findings.

Contact:
Michelle Burnham
mburnham@health.usf.edu

Report to:
TGH: B232
8:00 AM on the first scheduled day to Dr. Nicole Riddle. Confirm rotation the week prior with the above named contact.

Path
BMS 7663 Anatomic Pathology
Click here for additional course information

TGH 3 - 11 None 1 0 40-44 2,4 Riddle, Nicole Clinical
1. Analyze the role of the pathologist in different professional activities
2. Analyze important features, including pertinent molecular aspects of select cases encountered
3. Demonstrate appropriate handling and processing of a tissue specimen from its receipt in the Pathology gross room until its status as a finished product on a glass slide
4. Identify major histologic abnormalities in different organ systems

Rotation Activities:
Students will observe and participate in the daily activities in Anatomic Pathology, including Forensic Pathology. Participation in rounds, conferences, and demonstrations will be encouraged. The role of the pathologist as consultant and educator will be demonstrated.

Patient Encounters:
Evaluation will be based on assessment of the above objectives by members of the Department.

Syllabus:
Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Path
BMS 7663 Anatomic Pathology

T-VAH 3-11 Yr 4 Status 1 0 40-44 2.4 Bulkeley, William Clinical

Contact: Michelle Burnham
mburnham@health.usf.edu

Report to: T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

Description:
The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of medicine. Particular attention will be given to correlation between clinical information and pathologic findings.

Objectives:
1. Analyze the role of the pathologist in different professional activities (to focus on anatomic pathology).
2. Analyze important features of selected cases and the interplay with other areas of pathology.
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide.
4. Identify major histologic abnormalities in different organ systems

5. Describe the limitations and benefits of frozen section

Rotations:
- Students will observe and participate in the daily activities in Anatomic Pathology, including conferences.

Patient Encounters:

Evaluation:
Evaluation will be based on assessment of the above objectives by members of the Department.

Syllabus:

Visiting Students:
- Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
- Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20

<table>
<thead>
<tr>
<th>Path</th>
<th>BMS 7664 Flexible Elective in Pathology</th>
<th>MCC 1, 4-11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Hakam, Ardeshir</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
- Ardeshir Hakam
  - Ardeshir.Hakam@moffitt.org
  - (813) 745-1874

Report to:
- Dr. Prudence Smith
  - MCC 2070B
- Dr. Prudence Smith
  - MCC 2070A

Description:
- Pathology rotations include gross/FSE (2-3 days), Cytopathology (2 days) and other fields of pathology subspecialties.
Objectives:
The objective of this elective is to gain experience regarding the practice of pathology for those students considering a career in pathology. This will be accomplished through the rotation activities described below. Particular attention will be given to correlation between clinical information and pathologic findings.

Rotation Activities:

Gross & Frozen Section Pathology
In the initial few days, students are stationed in the frozen section room where they shadow and learn from the residents. They are involved in the examination and appropriate sectioning of a variety of simple to complex specimens for processing and final diagnosis.

Systemic Pathology
This portion of the elective involves the process diagnosis of tissue prepared during gross examination and submitted to the Pathology Residents for diagnosis. The Pathology Residents are assigned daily responsibilities as instructed in the monthly assignment schedule for the Pathology Residents and is distributed at the beginning of the rotation.

Cytopathology (Sign out & Intra-Operative Evaluation)
During this assignment, students shadow the resident(s) and Fellow on the cytology service, learning the importance of obtaining representative samples and the appropriate techniques for cytological diagnosis, and processing and diagnosis of intraoperative imprint cytology for sentinel lymph nodes.

Autopsy Pathology
On this service, the student accompanies the resident(s) to the autopsy suite when there is a post mortem examination to be performed. They assist as needed.

Patient Encounters:

Evaluation:
The staff pathologists will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Contact:
Michelle Burnham
mburnham@health.usf.edu

Report to:
T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day
The objective of this elective is to gain experience regarding the practice of pathology for those students considering a ... sessions. Particular attention will be given to correlation between clinical information and pathologic findings.

Objectives:

1. Analyze the role of the pathologist in different professional activities (including anatomic pathology and clinical pathology).
2. Analyze important features of selected cases and the interplay with other areas of pathology.
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within.
4. Identify major histologic abnormalities in different organ systems.

Rotation Activities:

Students will observe and participate in the daily activities in Anatomic and Clinical Pathology.

Patient Encounters:

Evaluation:

Pathologists will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Students should contact the Pathology & Laboratory Medicine Service secretary (813) 972-20

Contact:

Michelle Burnham
mburnham@health.usf.edu

Report to:

T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

Description:

The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize ... and technologists as they prepare cytologic specimens. There may be opportunities to observe procedures as well.

Objectives:

1. Analyze the role of the cytopathologist in different professional activities.
2. Analyze the roll of the cytopathologist in different professional activities.
2. Analyze important features of selected cases and the interplay with other areas of pathology.

3. Understand the common specimen types and processes utilized in cytopathology.

4. Demonstrate appropriate handling and processing of a tissue specimen from receipt within.

Rotation Activities:

Students will review selected cytologic specimens during regular “sign out” sessions. The student will observe the daily work of the cytopathologist and the common practices and procedures utilized in cytopathology. There may be opportunities to observe procedures as well.

Patient Encounters:

Evaluation:
The cytopathologist will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Students should contact the Pathology & Laboratory Medicine Service secretary (813) 972-20 for additional information.

Contact:

Dr. Ardeshir Hakam

Ardeshir.Hakam@moffitt.org

(813) 745-1874

Report:

Dr. Prudence Smith

MCC 2070A

Description:

Participation in screening and sign out of cytopathology cases and performing FNAs done by cytopathologists.

Objectives:

The objective of this course is to introduce the students to the principles used by the cytopathologists and technologists as they prepare cytologic specimens. There may be opportunities to observe procedures as well.
**Rotation Activities:**

The rotation encompasses as many areas of Cytopathology as are practical in one month, including:

- **Gross & Frozen Section Pathology**
  
  In the initial 2-3 days, students are stationed in the frozen section room where they shadow and learn from the resident in the examination and appropriate sectioning of a variety of simple to complex specimens for processing and final diagnosis.

- **Cytology preparation**
  
  Students will be rotating in the cytology preparation laboratory where they learn about the technical process involved in the preparation of fluids, including urine and pleural fluids among others, routine staining used for each and cell block preparation.

- **Cytopathology (Sign out & Intra-Operative Evaluation)**
  
  During this assignment, students shadow the resident(s) and Fellow on the cytology service, during which time they sign out cases from the cytology service and participate in intraoperative imprint cytology slide preparation and diagnosis of sentinel lymph nodes.

**Patient Encounters:**

**Minimal (FNA Evaluation):**

The staff cytopathologist will evaluate the student using a standardized student evaluation form.

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

Clearance from USF/Moffitt prior to start of rotation.

---

<table>
<thead>
<tr>
<th>Path</th>
<th>BMS 7667 Elective in Lab Medicine</th>
<th>T-VAH</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Bulkeley, William</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Michelle Burnham

mburnham@health.usf.edu

Report to: T-VAH: 1D-171 (Resident’s room)

8:00 AM on the first scheduled day
The objective of this elective is to acquaint the student with appropriate technical and interpretative laboratory activities. Current economic emphasis places even greater importance on the proper use of the laboratory by the physician.

Objectives:

1. Analyze the role of the clinical pathologist in different professional activities
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Become familiar with the processes and procedures utilized in various areas of clinical pathology.

Rotation Activities:
The student will participate under supervision in several areas of the clinical laboratory of his or her choice. The student will be expected to attend pathology conferences.

Patient Encounters:
Evaluation:
The staff pathologists will evaluate the student using a standardized student evaluation form.

Syllabus:
Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20...

Rotation must be approved by the course director prior to scheduling.

<table>
<thead>
<tr>
<th>Path</th>
<th>BMS 7668</th>
<th>Forensic Pathology</th>
<th>HCME 1, 5-6, 8-11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Mani...</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Mabelle Burnham
mburnham@health.usf.edu

Report to: Hillsborough County Medical Examiner, Main Entrance
8:00 AM on the first scheduled day

Description:
The rotation consists of daily exposure to and participation in, forensic autopsies conducted by pathologists or forensic pathologists and if applicable, observe courtroom testimony by staff forensic pathologists.

Objectives:
1. Learn to correlate autopsy findings with clinical information and information derived from scene investigations.
2. Learn to complete death certificates in a manner acceptable to the Office of Vital Statistics and the World Health Organization.

3. Learn anatomy pertinent to the future clinical practice specialty of the student.

4. Gain an understanding of the working relationships between forensic pathologists and other professionals, including the Office of the State Attorney, the defense bar, the funeral industry, the press, and other medical specialties.

**Rotation Activities:**

1. Assist with autopsies on the bodies of persons dead from suicide, accident, and natural diseases by performing dissections and medical chart review under the supervision of staff pathologists.

2. Review pertinent medical literature for selected cases.

3. Accompany staff during testimony under oath at criminal and civil trials and at depositions.

4. Accompany staff during death scene investigations (evening and night call-out optional).

5. Participate in departmental conferences. These comprise a working case conference thrice weekly, a pending case conference weekly, a photo review conference weekly, and a fixed brain and heart cutting conference weekly.

6. Present an informal talk on a topic of personal interest related to autopsy pathology or anatomy for extra credit.

**Patient Encounters:**

Evaluation is based on feedback from direct daily observation by attending physicians and trainers.

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

Path

BMS 8661 Research in Pathology

T-VAH 1-6, 8-11 None 1 0 44 4 Bulkeley, William

Contact: Michelle Burnham mburnham@health.usf.edu

Report to: T-VAH 1D-171 (Resident’s room)

8:00 AM on the first scheduled day
The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator.

Objectives:

The primary objectives of this course are to teach the basic principles of investigative work with emphasis on:

1. Formulation of a specific hypothesis
2. Critical analysis of pertinent literature
3. Development of an appropriate experimental design to test the hypothesis
4. Appreciation of methodological limitations and pitfalls
5. Analysis and interpretation of experimental data

Rotation Activities:
The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator. Specific activities will vary and are dependent upon the agreed upon research project.

Patient Encounters:

Evaluating the student's interest, initiative, and progress through daily interactions and at weekly research conferences
Evaluating the student's problem solving ability and diligence in the performance of realistic
Evaluating the student's judgment and critical approach in assigned library work as well as in analyzing and interpreting experimental data
The staff pathologists will evaluate the student using a standardized student evaluation form

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20
The senior investigator conducting the research must sign off on the rotation and notify the c

<table>
<thead>
<tr>
<th>Path</th>
<th>BMS 8661 Research in Pathology</th>
<th>MCC 1-6, 8-11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Messina, Jane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Michelle Burnham
mburnham@health.usf.edu

Report to: Dr. Jane Messina
8:00 AM on the first scheduled day

Description: The Research in Pathology elective is designed for students interested in pursuing a career in pathology who have a...Any core or affiliate faculty member of the USF Department of Pathology can supervise the student during this elective.

Objectives: The primary objectives of this course are to teach the basic principles of investigative work with emphasis on:

1. Formulation of a specific hypothesis
2. Critical analysis of pertinent literature
3. Development of an appropriate experimental design to test the hypothesis
4. Appreciation of methodological limitations and pitfalls
5. Analysis and interpretation of experimental data

Rotation Activities: The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator. These studies will use primarily morphologic and molecular techniques as well as animal models.

Patient Encounters: Evaluation:
1. Monitoring the student's interest, initiative, and progress through daily interactions and at weekly research conferences
2. Evaluating the student's problem solving ability and diligence in the performance of realistic research assignments
3. Evaluating the student's judgment and critical approach in assigned library work as well as in analyzing and interpreting experimental data
4. The staff pathologists will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students:

Special Instructions: Approval, dates, and duration of course must be arranged with the course director and a faculty mentor.
**Pathology**

<table>
<thead>
<tr>
<th>MEL 9999P Independent Study - Pathology</th>
<th>USFMS</th>
<th>Yr 4 Status</th>
<th>No Limit</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Faculty</th>
<th>Indep Study</th>
</tr>
</thead>
</table>

**Peds**

<table>
<thead>
<tr>
<th>MDE 8407 Elective in Child Protection</th>
<th>LVHN</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Esernio - Jenssen, Debra</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
The first day after Pediatrics Morning Report, call Jennifer Redmond, CAC Office Coordinator, at (484) 633-0935. She will direct you to Jennifer at the Inpatient Pediatric Worker - either on the Inpatient Pediatric Unit at the Cedar Crest campus or at the Child Advocacy Center at the 17th & Chew campus - 6th Floor (directly off the Green Elevators).

**Description:**
This elective is designed to provide a basic structure of child abuse pediatrics as a specialty medical practice of medicine.

**Objectives:**
1. State the elements of a history and physical that are critical when non accidental trauma is suspected.
2. Participate in the medical evaluation of alleged abuse in children and explain the role of the multidisciplinary team in the care of a child with suspected abuse.
3. Recognize various conditions and injuries that require specialty child protection team evaluation.
4. Recognize various conditions and injuries that initially appear to be related to abuse but either have a medical or reasonable accidental explanation.
5. Outline when and how to report suspected child abuse.
6. Discuss what the legal and child welfare systems need from pediatricians in the community.
7. Understand the other specialties such as radiology, ophthalmology, neurosurgery, trauma...
8. Describe community based partners such as CYS, Law Enforcement, District Attorney’s of Law. 

9. Recognize the role of the Child Advocacy Center and Child Protection Team in the evaluation of child abuse and neglect.

Rotation Activities:
- Students will see patients at the medical center at LVHN, and, when available, different court cases.
- Students will have the opportunity to attend a presentation during the rotation. The topic will be selected by the student in discussion with the faculty preceptor.

Patient Encounters:

Evaluation:
- Evaluation will be completed by Dr. Esernio-Jenssen.

Syllabus:

Visiting Students:
- Lehigh Valley Network on VSAS.

Special Instructions:

Contact:
- Dorothy Shulman
  - dshulman@health.usf.edu

For questions if not able to reach above contacts:
- USF Health Peds Edu Dept (813) 259-8638

Report to:
- Provided one week prior to the start of the rotation

Description:
- This course offers the student in-depth exposure to a wide variety of endocrine related problems.

Objectives:
- Students will gain an understanding of the management of common and complex endocrine diseases in children of all ages.
- Students will be expected to attend regularly scheduled research conferences and clinical conferences.

Rotation Activities:
- Students will have the opportunity to see and provide care for children with disorders including pituitary, thyroid, bone/ mineral, adrenal, growth, puberty, gonad, and sexual differentiation and diabetes.

Peds MDE 8430 Pediatric Endocrinology
- Contact Dorothy Shulman
  - dshulman@health.usf.edu
- For questions if not able to reach above contacts:
  - USF Health Peds Edu Dept (813) 259-8638
- Report to provided one week prior to the start of the rotation
- Description: This course offers the student in-depth exposure to a wide variety of endocrine related problems.
- Objectives: Students will gain an understanding of the management of common and complex endocrine diseases in children of all ages. Students will be expected to attend regularly scheduled research conferences and clinical conferences.
- Rotation Activities: Students will have the opportunity to see and provide care for children with disorders including pituitary, thyroid, bone/mineral, adrenal, growth, puberty, gonad, and sexual differentiation and diabetes.
Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students: No

Special Instructions: Students will also rotate at Children’s Medical Services.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MDE 8430</th>
<th>LVH-CC</th>
<th>Yr 4</th>
<th>Status</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Kashmer, Laurissa</th>
<th>Clinical</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pediatri Endocrinology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Click here for additional course information

Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149


Description: This elective will provide medical students with an in-depth exposure to the diagnoses and management of acute and chronic endocrine illnesses. Students will learn to work within a multidisciplinary team such as with diabetes educators, nutritionists, social workers and counselors.

Objectives:

1. Differentiate between normal and pathological states related to endocrinology
2. Evaluate and manage patients with presenting signs and symptoms that suggest an endocrine disorder
3. Demonstrate principles of growth and pubertal development important to the general pediatrician
4. Understand the role of the Endocrinologist and primary care provider in preventing and managing diseases of the endocrine system and in counseling and screening individuals at risk for these diseases
5. Collaborate and effectively communicate with both general and specialist Pediatricians in the management of patients with acute and chronic endocrine illnesses
6. Effectively communicate with patients and families about endocrine conditions, including management of acute and chronic conditions and interpretation of test results

Rotation Activities:

Students will see patients in the specialty center. They will have direct contact as well as observe patients. Students will also be scheduled to make a presentation at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:
Evaluation and timely feedback will be given to students by Endocrinologists. The evaluation will be completed by Dr. Kashmer with input from Drs. Kuryan and office clinical staff.

Syllabus:

Visiting Students:  
Lehigh Valley Network on VSAS.

Special Instructions:

N/A

<table>
<thead>
<tr>
<th>Peds</th>
<th>MDE 8470 Child Neurology</th>
<th>TGH 1 - 11</th>
<th>Adult Med, Pri Care, or Maternal Newborn</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>2, 4</th>
<th>Gieron, Maria</th>
</tr>
</thead>
</table>

Contact:

Dr. Gieron  
mgieron@health.usf.edu

Dr. Nallu  
snallu@health.usf.edu

Elizabeth Kociolek  
ekociole@health.usf.edu

Report to:  
Will be provided one week prior to the start of the rotation

Description:

This elective is designed to introduce students to the field of child neurology. Under the supervision of clinical faculty, students will enhance their understanding of child neurology, including diagnosis and treatment of neurological conditions in infants and children.

Objectives:

1. Learn to take a neurological history with an emphasis on the skills of talking and listening.
2. Perform an age appropriate neurological examination and differentiate between normal and abnormal findings.
3. Learn how to use abnormal findings to localize the problem within either the central or peripheral nervous system.
4. Learn how to use the history and neurological examination to determine the nature of a pathological process.
5. Indicate and selective use of neurodiagnostic studies such as electroencephalogram, electromyography, and imaging studies.
6. Diagnose and understand the pathophysiology of neurological conditions and how to manage them.
7. Learn about neurological emergencies in children and basic principles of their management.
Rotation Activities:

The student will provide patient care under close faculty supervision. The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

Evaluations will be evaluated by the preceptor using the following methods:

- Clinical evaluation with same day feedback
- Written (24 questions) examination at the end of rotation
- Oral presentation of a topic of interest

Grades are determined by: 50% clinical evaluation, 25% written examination, and 25% oral presentation.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Transportation may be needed for travel between hospitals and clinics.

| Peds | MDE 8470 Child Neurology | LVH-CC 1-11 | Yr 4 Status | 1 | 0 | 40 | 4 | Sheikh, Muhammed | Clinical |

Contact by Winterhalt

Tammy.Winterhalt@lvhn.org

(484) 862-3149

Pediatric Neurology office located at 1210 S. Cedar Crest Blvd, Suite 2400, on the Cedar Crest Campus.

Description:

This course will expose the student to various neurological disorders in infants and children. The student will work in the pediatric wards, neonatal ICU and pediatric ICU patients and be responsible for participating in all follow-up care.

Objectives:

1. Demonstrate an approach for taking a proper history and neurological exam and be able to
2. Justify the approach and use it to formulate an appropriate differential diagnosis
3. Identify the role laboratory data, neurophysiology, and neuroimaging have on the diagnosis.
4. Discuss and effectively communicate treatment or therapy options with patients, family members, and other members of the health care team.

Rotation Activities:

1. Student will complete a Pediatric Neurology orientation test questionnaire prior to start of rotation.
2. Student will follow patients with one of three pediatric neurologists in the clinic setting each day.
3. Student will also join pediatric neurologists when consulting on the Inpatient Pediatric Unit.
4. Towards the end of the elective, student will present a case of interest to the pediatric neurologists.
5. Student should attend Pediatric Morning Report on Monday and Thursday mornings at 8:00 am.
6. Student should attend Pediatric Grand Rounds on Tuesday mornings at 8:00 am at the Cedar Crest campus.

Patient Encounters:

Evaluation:

Performance during the rotation will be assessed by supervising faculty with input from members of the clinical team. There will not be a written exam but written work will be assessed as part of your clinical performance.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:

On the first day of rotation (providing it is a Monday), at 7:30 am call the sedation doctor ASCOM phone at 610-402-0806 to find out where and what time to meet on the first day.

Arrive 30 minutes before scheduled start time of each sedation.

If no scheduled morning sedation, student is to attend Pediatrics Morning Report on Mondays and Thursdays and Pediatric Grand Rounds on Tuesdays. These conferences take place at the Cedar Crest campus at 8:00 am.

Description:

This course allows students to learn in a pediatric inpatient setting the basic principles and practice of pediatric sedation. A strong emphasis is placed on the review of relevant pharmacologic principles and techniques of sedative drugs and pain management.
Objectives:
1. Demonstrate the ability to conduct a comprehensive pre-sedation evaluation that includes a focused history and physical exam.
2. Explain indications and contraindications for each sedative drug classification.
3. Acquire and review pertinent medical records, select appropriate sedative and/or analgesia.
4. Accurately calculate dosage and predict the effect the medication will have on patient.
5. Demonstrate the ability to properly use equipment designed to monitor sedated child.

Rotation Activities:
Will work closely with sedation doctor on Mondays, Wednesdays and Thursdays for scheduled outpatient procedures requiring sedation. On Fridays, the student will work with the PICU physicians though there may not be sedations scheduled on those days.

Patient Encounters:
Evaluation of patient encounters will be given feedback during the rotation from sedation doctors based on the above objectives.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Kristin Held Wheatley, PharmD, BCOP
Clinical Pharmacy Specialist, Pediatric Oncology/Infectious Diseases
Program Director, PGY1 Pharmacy Residency

Kristin_m.held@lvhn.org
(610) 402-8340

Pharmacy Administration Office
Lehigh Valley Hospital
1200 S. Cedar Crest Blvd

<table>
<thead>
<tr>
<th>Peds</th>
<th>MDE 8361 Pediatric Pharmacology</th>
<th>LVH-CC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Wheatley, Kristin</th>
</tr>
</thead>
</table>

Click here for additional course information.
Allentown, PA 18103

Description:
This clinical rotation provides an overview of pharmacologic principles related to the management of pediatric patients. Students will also develop and strengthen scientific literature searching skills and formulation of written responses.

Objectives:
At the completion of this clinical rotation, students will be able to:

1. Identify relevant patient data from the medical record to evaluate appropriateness of medication therapy in pediatric patients.
2. Utilize pharmacokinetic principles and patient data to determine the most appropriate drug dosage regimen and formulation.
3. Identify appropriate evidence-based literature and summarize relevant information to respond to drug information requests.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will identify and review pertinent patient information in the medical record with a focus placed on review of drug administration, formulation, monitoring parameters, potential for drug-drug interactions, therapeutic duplications, omissions, etc.
2. Students will be expected to attend rounds as assigned by the preceptor as well as other assigned educational opportunities.
3. Students will be assigned drug information requests during the clinical rotation. The student will be expected to communicate an evidence-based response (either via written or verbal means) to the requester in a timely fashion.

Patient Encounters:
N/A

Evaluation:
Students on this rotation will be evaluated through the following methods:

1. Adequate preparation for rounds through discussion of patient’s medication regimens with the preceptor.
2. Completeness, accuracy of content, organization, and timeliness of drug information responses.
Learners will receive feedback on their performance through the following:

1. Feedback will be provided following observed interactions.
2. Feedback will also be provided at the midpoint and at the conclusion of the clinical rotation.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
The student is encouraged to contact Dr. Kristin Held Wheatley via email at least one week prior to the start of the clinical rotation to discuss date and time as well as location to meet on the first day of the rotation.

| Peds | MEL 7103 Pediatric Cardiology | ACH 1 - 11 | Adult Med or Mat Newborn | 2 | 0 | 44 | 4 | Mauriel Io, Dan | Clinical |
Contact:
Dr. Dan Mauriello
(727) 767-4106
Sara Mastry
(727) 767-4106
For questions if not able to reach the above contact:
USF Health Peds Edu Dept
(813) 259-8638
ACH GME Dept
(727) 767-4106
Report to: provided one week prior to the start of the rotation

Description:
Principles of pediatric cardiology will be taught in outpatient and inpatient encounters at ACH-JHM. As a free-standing ... in clinical or basic research in pediatric cardiology may also be coordinated pending project and faculty availability.

Objectives:
1. Understand the evaluation and treatment of heart murmurs, chest pain, palpitations, dizziness, and syncope
2. Understanding the evaluation and treatment of various forms of congenital heart disease: including septal defects, ventricular septal defects, transposition of great arteries, single ventricles, and cyanotic congenital heart disease
3. Understand the basic principles of electrocardiograms and be able to interpret and have a

Rotation Activities:
objectives will be achieved by the following tasks:
Students will attend daily cardiology clinics at All Children’s Hospital Johns Hopkins Medicine. Emphasis will be placed on the clinical and basic science teaching of pediatric cardiology.
Students will participate in work up and care of cardiac patients including those admitted for diagnostic cardiac procedures. Principles in cardiac electrophysiology and anatomy will be taught using electrocardiography and echocardiography.
Students will be expected to round and follow patients assigned to the cardiology team throughout the clerkship rotation.

1. Outpatient cardiology clinics
– daily cardiology clinics are held at All Children’s Hospital in St. Petersburg and multiple outpatient care centers in the Tampa Bay area.
2. Inpatient Service
– Students will participate in work-up and care of cardiac patients including those admitted for diagnostic procedures.
3. Sub-specialty rotations
– all students will observe at least one of the following: open heart surgery and learn about cardiopulmonary bypass, pediatric intensive care, consider participation in the cardiac catheterization lab. Students should understand the indications and limitations of long term heart rhythm monitors (events/loops)
4. Educational Conferences
– Participation in weekly disposition and educational conferences.
Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her cl.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 7103 Pediatric Cardiology</th>
<th>LVHN 1-11 Yr 4 Status 1 0 40 2</th>
<th>Hansrote, Louis</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

Tammy.Winterhalt@lvhn.org

(484) 862-3149

Report to:

Children’s Heart Center of NE PA

1605 N. Cedar Crest Blvd, Suite 119

(Roma Corporate Center)

Allentown, PA

(610) 437-6687

Description:

This elective is designed to introduce fourth year medical students to the field of pediatric cardiology. Students will be able to see and care for pediatric patients up to the age of 18 in the outpatient setting.

Objectives:

1. Student will accompany an attending pediatric cardiologist to learn the essential elements of the pediatric cardiologic examination, history taking, and modes of therapy for different pediatric cardiac illnesses.

2. Student will familiarize themselves with what constitutes an innocent versus a pathologic murmur.

3. Student will understand the grading system of heart murmurs and modal auscultation for t.

4. Student will learn the basic differences between the pediatric EKG and the adult EKG.

5. Student will learn basic concepts of both performance of echocardiography and reporting.

6. Student will become familiar with the most common pathologic entities of congenital heart
7. Student will see patients in an outpatient setting and will participate in history taking and physical examination. Students will be asked to come to an assessment based on the prior information obtained.

Rotation Activities:
Student will spend each day with one of three pediatric cardiologists in the office setting. Students may join one of the pediatric cardiology clinics in the floor setting. Students will also participate in procedures performed by the pediatric cardiology clinic. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:
Evaluation of students will be made during the entire rotation, but the final evaluation will be made toward the end of the rotation. Upon completion of this elective, student should understand the principles and diagnosis of common congenital heart defects as well as understand the difference between innocent and pathologic murmurs.

Students will be evaluated based on their level of participation and improvement over the course of the elective. Evaluations will be made by the pediatric cardiologists and the clinical staff, and will be returned to the medical school.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
After attending Pediatrics Morning Report on the first day, report to the Pediatric Inpatient Unit 4B on the 4th floor of the Pool Pavilion at 9:00 am.

Description:
The inpatient pediatric course is presented to give the student an experience in the management of children with problems requiring hospitalization. The student will spend one week of night call with a Pediatric resident during the four week rotation.

Objectives:
1. The student should be able to conduct a history and physical examination in a concise and logical fashion and define the child's problems.
2. The student should be aware of the diagnostic and therapeutic tools available in pediatrics and be able to use them when appropriate to patient care.
3. The student should develop increasing clinical responsibility and judgment in dealing with hospitalized children and their families.
4. The student should gain familiarity in performing certain basic procedures including venipuncture, lumbar puncture, intravenous line placement, suprapubic puncture, arterial puncture, and bone marrow aspiration.

5. The student should be able to give the indications for admission to the hospital for children.

Rotation Activities:
1. Student will sign in, pre-round, round and sign-out each day with either the Lion team or the Zebra team. During the week of nights, student will take sign-out at 6:00 pm and will sign out to the day team at 6:00 am the following morning.

2. If student has full EPIC access, student will follow the Pediatric template and document in EPIC. Notes are then copied and pasted into a Word document and emailed to the attending using MS Outlook or completed in a Word document and emailed to the attending on service.

3. Student should follow 3-5 patients depending upon complexity.

4. Student should become familiar with and use the IPASS method when signing out patients.

5. Student will be given access to the Hallway New Patient Presentation template and the Hallway Established Patient Presentation template and should become familiar with and use when presenting patients to attending and senior resident.

6. Student should attend Pediatrics Morning Report on Monday and Thursday mornings at 8:00 am with the inpatient team. Student is excused from these educational sessions when on the night shift.

7. Student will be scheduled to present at Pediatrics Morning Report once during this rotation.

Patient Encounters:

Evaluation:
Student's evaluation will be a combination of feedback from faculty as well as from Pediatric residents.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

<table>
<thead>
<tr>
<th>Peds</th>
<th>MDI 8400 AI-In-Patient Pediatrics</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACH</td>
<td>1 -11</td>
</tr>
<tr>
<td>Yr 4 Status</td>
<td>2 0 44 4 Faculty Clinical</td>
</tr>
</tbody>
</table>
Gwen Harmon  
g Harmon2@jhmi.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638  
ACH GME Dept (727) 767-4106

Report to: provided one week prior to the start of the rotation

Description: The senior medical student will serve as an "acting intern" with the resident staff assigned to

Obtain for the student a period of intensive exposure to inpatient general pediatrics by permitting.

Rotation Activities: The student will participate actively in teaching rounds, journal clubs, and seminars as a juni.

The student will provide patient care under close faculty supervision.

The student is expected to either provide a discussion of one selected topic or present a pati.

Patient Encounters:

Evaluate student’s written histories and physical examinations, problem list, and plans of evaluati.

Syllabus:

Visiting Students:

Special Instructions: Night call is no more frequent than every 4th night.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MDI 8400 AI-in-Patient Pediatrics</th>
<th>TGH 1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Murphy, Melinda</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Chief Resident  
usfpedichiefs@gmail.com  
(813) 259-8752
The inpatient pediatric course is presented to give the student an experience in the management of children with problems. The student will have the opportunity to take night call for one week of the rotation.

Objectives:
1. The student should be able to conduct a history and physical examination in a concise and logical fashion and define the child's problems.
2. The student should be aware of the diagnostic and therapeutic tools available in pediatrics.
3. The student should develop increasing clinical responsibility and judgment in dealing with these patients as an acting intern in consultation with a senior member of the pediatric house staff.
4. The student should gain familiarity in performing certain basic procedures including venipuncture, lumbar puncture, intravenous line placement, and bone marrow aspiration.
5. The student should be able to give the indications for admission to the hospital for children.

Rotation Activities:
The student will participate actively in teaching rounds, journal clubs, and seminars as a junior house staff member. The student will provide patient care under close faculty supervision. The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

Evaluation:
Evaluation of the student's performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Contact: Dr. Frank Ayestran
  fayesta1@jhu.edu
  (361) 244-9718
Dr. Jessica Rodriguez
  (954) 675-9144
For questions if not able to reach above contacts:
  USF Health Peds Edu Dept (813) 259-8638
  ACH GME Dept (727) 767-4106

Report to: will be provided one week prior to the start of the rotation

Description: This elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of kidney function, hypertension, dialysis, and transplantation. Other topics may also be covered as determined by student preference.

Objectives:
1. Learn to take a history with an emphasis on the skills of talking and listening to parents and patients.
2. Perform an age appropriate examination and differentiate between normal and abnormal findings.
3. Learn how to use the history and examination to determine the nature of a pathological process.
4. Learn about nephrology in children and basic principles of their management.

Rotation Activities: Students will provide inpatient (TGH and/or ACH) and outpatient (USF Clinics) care under close faculty supervision. Students are expected to provide a written summary of their patient care and either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

Evaluation: Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions: Transportation may be needed for travel between hospitals and clinics.

**Students who select a 2 week rotation may only have 1 day of absence excused.**
| Peds | MEL 7563 Pediatric Nephrology | TGH 1 - 11 | Adult Med, Pri Care, or Matern Newborn | 1 | 0 | 44 | 2,4 | Campos, Alfonso | Clinical |

Contact:

- acampos@health.usf.edu
- Dr. Panzarino
  vpanzari@health.usf.edu
- Dr. Charles Hu
  chu@health.usf.edu
  (813) 259-8764
- Main Office: 17 Davis 2nd Fl
  (813) 259-8688

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to provided one week prior to the start of the rotation

Description:

This elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of hypertension, dialysis, and transplantation. Other topics may also be covered as determined by student preference.

Objectives:

1. Learn to take a history with an emphasis on the skills of talking and listening to parents and patients.
2. Perform an age appropriate examination and differentiate between normal and abnormal findings.
3. Learn how to use the history and examination to determine the nature of a pathological process.
4. Learn about nephrology in children and basic principles of their management.

Rotation Activities:

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical skills.
**Syllabus:**

**Visiting Students:**
Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**
Transportation may be needed for travel between hospitals and clinics. Part of the rotation will occur at Children's Medical Services.

"Students who select a 2 week rotation may only have 1 day of absence excused.

<table>
<thead>
<tr>
<th>Course</th>
<th>Preceptor</th>
<th>Code</th>
<th>Year</th>
<th>Status</th>
<th>Code</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peds MEL 7565 Neonatology Intensive Care</td>
<td>Chinna karuppan, Nachama</td>
<td>LVH-CC</td>
<td>1 - 11</td>
<td>Yr 4 Status</td>
<td>1</td>
<td>44</td>
</tr>
</tbody>
</table>

**Contact:**
Tammy.Winterhalt@lvhn.org
(484) 862-3149

**Report to:**
NICU, 4th floor Jaindl Pavillion
8:00 AM on first day of rotation

**Description:**
Students will participate as members of the NICU clinical team consisting of faculty attending.

**Objectives:**
Students will be able to
1. Take a good history and exam of common NICU admissions
2. Understand pathophysiology of common neonatal problems
3. Attend deliveries with NICU team with graded supervision
4. Perform simple procedures under supervision
5. Respond to on call problems in the unit when on call

**Rotation Activities:**
Students will be expected to:
1. Manage patients assigned to them with resident/attending supervision
2. Attend deliveries with NICU team
3. Participate at rounds, patient and family centered care
4. Attend morning report, X-ray rounds, pediatric didactic lectures, grand rounds
5. Assist and do procedures under supervision

Patient Encounters:

Students will be evaluated by the service attending based on

1. Completeness of history, exam, presentation and management
2. Communication skills, Ability to work in a team will be assessed
3. Reading assignments with presentations at rounds
4. Delivery room resuscitation, procedural skills
5. Feedback will be given informally and formally in the middle and end of rotation. Students.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Certifications Required

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 7565 Neonatology Intensive Care</th>
<th>TGH</th>
<th>1-11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Ho, Tina</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact Tina Ho

thaho@health.usf.edu

(813) 844-3437

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638
Report to: Will be provided one week prior to the start of the rotation.

Description:

The objective of this elective is the development of clinical expertise in the management of disorders of the neonate.

Rotation Activities:

Students will participate as members of the NICU clinical team consisting of faculty attending, residents, and neonatal fellows. They will be assigned to rounds and rotations which may include the NICU, Pediatrics, and the Gastroenterology clinics. In addition, they will participate in conferences, rounds, and providing clinical care under close faculty and neonatal fellow supervision.

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Certifications Required

Peds
MEL 7596
Pedi Diabetes & Metabolic Disease

MCAH 3 - 11 Pri Care or Mat Newborn 1 0 44 4 Bollepa III, Sureka

Contact:
Dorothy Shulman
dshulman@health.usf.edu
Dr. Henry Rodriguez
(813) 396-2580

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report to: Will be provided one week prior to the start of the rotation.
Description:
This elective is designed to provide clinical exposure to children with insulin dependent diabetes as they appear in the pediatric outpatient setting at the University of South Florida (USF) Diabetes Care Center. The main focus of this rotation is to increase awareness and knowledge of insulin dependent diabetes mellitus. During this rotation, students will be involved in the care of a patient with insulin dependent diabetes mellitus. The student will be expected to provide patient care under close faculty supervision. The student is expected to provide patient care under close faculty supervision. The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:
Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Prior approval from Dr. Rodriguez required.
Transportation may be needed for travel between hospitals and clinics.
Those interested in more intense exposure to children with a chronic disease should contact Dr. Rodriguez to learn the dates of camp sessions for children with diabetes.

Contact:
Dr. John McCormick
jmccormi@health.usf.edu
For questions if not able to reach above contact:
USF Health Peds Edu Dept (813) 259-8638
Report to: will be provided one week prior to the start of the rotation

Description:
This elective is designed to provide clinical exposure to children with insulin dependent diabetes as they appear in the pediatric outpatient setting at the University of South Florida (USF) Diabetes Care Center. The main focus of this rotation is to increase awareness and knowledge of insulin dependent diabetes mellitus. During this rotation, students will be involved in the care of a patient with insulin dependent diabetes mellitus. The student will be expected to provide patient care under close faculty supervision. The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:
Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Prior approval from Dr. Rodriguez required.
Transportation may be needed for travel between hospitals and clinics.
Those interested in more intense exposure to children with a chronic disease should contact Dr. Rodriguez to learn the dates of camp sessions for children with diabetes.

Contact:
Dr. John McCormick
jmccormi@health.usf.edu
For questions if not able to reach above contact:
USF Health Peds Edu Dept (813) 259-8638
Report to: will be provided one week prior to the start of the rotation

Description:
This elective is designed to introduce senior students to the specialty of Internal Medicine-Pediatrics. Under the direction of Dr. John McCormick, students will gain exposure to a variety of pediatric subspecialties through clinical, didactic, and research experiences. The student will be expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Objective:
1. Evaluate and treat common acute problems encountered in adults and children in a primary care setting.

Status:
STC 1 - 11 Yr 4 Status 2 0 40 4 McCormick, John

Clinical
2. Evaluate and treat chronic conditions in adults and children in a primary care setting.

3. Perform appropriate preventative health maintenance measures in adults and children including well-child care, vaccinations, anticipatory guidance, and screening tests.

4. Gain familiarity with procedures common to the primary care setting including arthrocentesis.

5. Gain appreciation for the specialty of Internal Medicine-Pediatrics.

Rotation Activities: Students will see patients in the Internal Medicine-Pediatrics combined clinic.

Patient Encounters:

Evaluation as well as summative final assessment will be provided by supervising faculty.

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

---

**Peds**

| MEL 8554 Primary Care Pediatrics | TGH 1-11 Adult Med or Pri Care | 1 | 0 | 40-44 | 4 | Faculty | Clinical |

Contact:

Sharon Dabrow  
sdabrow@health.usf.edu  
(813) 259-8752

For questions if not able to reach above contact:

USF Health Peds Edu Dept (813) 259-8638

Report to provided one week prior to the start of the rotation

17 Davis (across from USF Health STC, 1st Fl)
Description:

This rotation allows the student to experience the broad range of primary pediatric care issues in the USF Health Pediatrics outpatient program. Primary care issues are discussed daily.

Objectives:

1. Improve knowledge of general outpatient pediatrics
2. Improve skills in performing histories, physicals, assessments and developing appropriate management plans.

Rotation Activities:

Hours: 8:30-5pm each day

Morning report 8-8:30 mandatory

Noon conference 12-1:00 required

Patient Encounters:

Evaluation: The student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Contact at least one month prior

Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to: Student will spend 2 weeks in The Children’s Clinic at the LVHN 17th & Chew campus and 2 weeks at LVPG Pediatrics at Health Center/Madison Farms

Description:

This rotation allows the student to experience the broad range of primary pediatric care issues in the USF Health Pediatrics outpatient program. Primary care issues are discussed daily.
Each student will present a Morning Report presentation. Attendance at Pediatric Grand Rounds and scheduled conferences like Wednesday afternoon PediaPRED is required.

Objectives:
Improve knowledge of general outpatient pediatrics and improved skills in performing histories, physicals, assessments and developing appropriate management plans.

Rotation Activities:
The student will care of both well and sick patients in 2 outpatient settings. Option to participate in specialty clinics at Children’s Clinic or LVPG Pediatric Specialty Clinics. Mandatory to attend Grand Rounds, PediaPRED and Morning Reports, and prepare a Morning Report presentation.

Patient Encounters:
Evaluation will be performed by the supervising physicians in the Children’s Clinic and LVPG Pediatrics office.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Peds</th>
<th>MDE 8455 Acquired Immunodeficiency</th>
<th>TGH</th>
<th>TGH 1 -11</th>
<th>Pri Care or Mat Newborn</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Shapir o, David</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Carina Rodriguez
Gina Lombardo, Administrator
(813) 259-8800

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Description:
The senior medical student will participate in both inpatient and outpatient clinical duties involving HIV-infected infants, children, and adolescents at TGH or VAMC, and/or basic research, participation in small pilot projects is encouraged under the mentorship of a faculty member.

Objectives:
Offer the student a period of intense exposure to HIV infection in infants, children, and adolescents with participation in a supervised outpatient, inpatient, and laboratory setting.

Rotation Activities:
The student will participate in teaching rounds, journal clubs, and seminars with the faculty, and will rotate at the TGH Clinic and the CMS clinic in Tampa.
Patient Encounters:

The student's history and physical examinations, generation of problem lists, and plans for evaluation and treatment will form the basis of the evaluation.

Syllabus:

Visiting Students:

No

Special Instructions:

No night is call required.

Syllabus:

Visiting Students:

No

Special Instructions:

No night is call required.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8568 Pedi Hematology-Oncology</th>
<th>ACH 1-11</th>
<th>Adult Med or Mat Newborn</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>2,4</th>
<th>Moore, Colin</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

Dr. Nanette Grana
(813) 259-8725
ACH GME
(727) 767-3970
Dawn Jones
dawn.jones@jhmi.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept 813-259-8638

Report to:

Will be provided one week prior to the start of the rotation

Description:

The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings.

Objectives:

Introduce the student to the clinical aspects of hematologic and oncologic disease in children.

Learn the basics of work up and care for the pediatric hematology/oncology patients.

Rotation Activities:

The student will be involved in the diagnosis, evaluation and management of patients with a spectrum of pediatric hematology and oncology disorders, both in the inpatient and outpatient settings at ACH.

In the outpatient setting, the student will actively participate in interviewing and examining newly referred and established patients. The student will have the opportunity to observe the care of patients with chronic oncologic and hematologic conditions, as well as the student's daily activities at rounds and clinics and conferences will form the basis of the evaluation.
The student will be an active participant in daily rounds and will be expected to interact with patients. Students will attend the weekly multidisciplinary patient care and teaching rounds and monthly tumor board meetings. Patient encounters include evaluation of the student’s performance made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions:

Students who select a 2 week rotation may only have 1 day of absence excused.

Transportation may be needed for travel between hospitals and clinics.

### Patient Encounters:

### Evaluation:

### Syllabus:

### Visiting Students:

### Special Instructions:

Students who select a 2 week rotation may only have 1 day of absence excused.

Transportation may be needed for travel between hospitals and clinics.

### Peds

<table>
<thead>
<tr>
<th>MEL 8568 Pedi Hematology- Oncology</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGH</td>
</tr>
<tr>
<td>1 - 11</td>
</tr>
<tr>
<td>Pri Care, Mat Newborn</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>0</td>
</tr>
<tr>
<td>40-44</td>
</tr>
<tr>
<td>2,4 Galligan, Andrew</td>
</tr>
<tr>
<td>Clinical</td>
</tr>
</tbody>
</table>

Contact:

Dr. Rico

jrico@health.usf.edu

Berlinda Garcia-Mora, Administrator

(813) 259-8635

For questions if not able to reach above contacts:

USF Health Peds Edu Dept 813-259-8638

Report to:

Will be provided one week prior to the start of the rotation

Description:

The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings.

Objectives:

- Introduce the student to the clinical aspects of hematologic and oncologic disease in children.
- Learn the basics of work up and care for the pediatric hematology/oncology patients.
Rotation Activities:

For inpatient services, the student will participate in the AM rounds and assist with diagnostic procedures and therapy planning. Students are encouraged to study the basics of hematopoiesis and cancer chemotherapy. Written histories and physical examinations and plans for evaluation and treatment will be reviewed with the attending physician.

In the outpatient setting, the student will actively participate in interviewing and examining newly referred and follow-up patients. The student will attend the weekly multidisciplinary patient care and teaching rounds and monthly tumor board.

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

**Students who select a 2 week rotation may only have 1 day of absence excused.** Transportation may be needed for travel between hospitals and clinics.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8568 Pedi Hematology-Oncology</th>
<th>LVHN</th>
<th>1 -11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Bautista-Otanez, Felipe</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

Tammy.Winterhalt@lvhn.org

(484) 862-3149

**Report Felipe Bautista after attending Pediatrics Morning Report on the first day, at the outpatient clinic (Children’s Pavilion). On subsequent days the student will report to the attending who is on service at 8 AM in the 1210 Cedar Crest building.**

Description:

The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient setting. The student is expected to be able to know basics of work up and care for the pediatric hematology/oncology patients.

Objectives:

Introduce the student to the clinical aspects of hematologic and oncologic disease in children.
Rotation Activities:

- Student will spend time each day rounding and doing procedures on the inpatient unit. In the afternoon, student will ... to discuss patients. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:

The student will be evaluated on multiple aspects of patient care and clinical performance during the 4-week rotation. Evaluation criteria include patient care, clinical performance, and professional behavior. Feedback from the team, will complete the evaluation provided by the student’s medical school at the end of the rotation.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

Dr. Judith Ranells
juranell@health.usf.edu
Julie Stann
jstann@health.usf.edu
(813) 259-8772

For questions if not able to reach above contact:

USF Health Peds Edu Dept 813-259-8638

Report to:

Will be provided one week prior to the start of the rotation

Description:

Objective:
The objective of this elective is to acquaint the student with genetic and metabolic disorders in pediatrics.

Routine student activities will typically attend Genetics/Metabolic Clinics Monday, Tuesday, and Thursday at TGH.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Transportation may be needed for travel between hospitals and clinics (Tampa General Hospital, South Tampa Center, and Children’s Medical Services).

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8571 Developmental Pediatrics</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMS</td>
<td>1 -11 Pri Care or Mat Newborn</td>
</tr>
<tr>
<td></td>
<td>1 0 44 2,4 Pavan, Mary Clinical</td>
</tr>
</tbody>
</table>

Contact: Mary Pavan
mpavan@health.usf.edu
(727) 767-8230

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to: will be provided one week prior to the start of the rotation

Description:

Objectives:
Familiarize the student with the clinical aspects of child development
Learn to administer basic screening tests and to assess the many aspects of development, which contribute to diagnosis and intervention.
The objectives of this elective can be met via a research track, a clinical track, or a literature review writing track.

Rotation Activities:
Participating in patient evaluations via observation and direct contact and interacting with various members of a multidisciplinary team will facilitate an understanding of the diversity of the field.
In addition to “hands-on” training, weekly didactics will provide teaching in the basic areas of normal, delayed, and atypical development including neurological and genetic disorders, intellectual disability, autism, and specific learning disabilities.
This elective incorporates a wide variety of clinic environments, with exposure to NICU follow-up, Age Birth-3 Early Intervention Program, and the school-age population.
When working close to Tampa General or All Children’s Hospital, the student is expected to a

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her cl.

Syllabus:

Visiting Students:

Special Instructions:

Transportation may be needed for travel between hospitals and clinics.

There is no night or weekend coverage expectations.

**Students who select a 2 week rotation may only have 1 day of absence excused.

---

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8573 Pedi Allergy &amp; Clinical Immun</th>
<th>ACH</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Leiding Jennifer</th>
</tr>
</thead>
</table>

Contact: Mark Ballow

mballow@jhmi.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

ACH GME Dept (727) 767-4106

---

Children’s Research Institute (Band-Aid Building) at ACH 8:30 AM

Objective: The elective is designed to give the student experience on both the outpatient and inpatient Pediatric Allergy and Immunology services of All Children’s Hospital in St. Petersburg, Florida.

1. Expose the student to clinical allergy immunology through supervised patient care respons.

2. Learn about the performance and interpretation of allergy skin testing, spirometry, tympan.
3. Gain experience in current treatments of immunodeficiency disease

**Rotation Activities:**

Students will assist in the diagnosis, treatment, and management of patients with a broad spectrum of immunologic, allergic, and rheumatologic diseases.

The elective will emphasize a logical approach to clinical immunologic problems, interpretation of immunology laboratory tests, and the treatment of allergic and immune disorders including autoimmunity.

**Patient Encounters:**

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

---

**Peds** | MEL 8574 Pediatric Pulmonary Disease | ACH 1-5, 7-8, 10-11 | Pri Care or Mat Newborn | 2 | 0 | 40-44 | 2, 4 | Ewig, Jeffrey | Clinical

**Contact:**

Carolyn Robinson
crobin84@jhmi.edu

Shirley Robles, Administrator
srobles3@jhmi.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

ACH GME Dept (727) 767-4106

**Description:**

Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent.
2. Understand and interpret basic imaging of the respiratory system and lung function testing.

3. Establish a level of competence in diagnosing and managing asthma in children utilizing the NIH Asthma Guidelines.

4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.

5. Become familiar with common respiratory therapeutic agents employed in pediatrics including airway clearance techniques and asthma pharmacotherapy.

**Rotation Activities:**

This elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of acute and chronic pediatric respiratory diseases. Some of these disorders will include: cystic fibrosis, stridor, chronic lung disease of infancy, and congenital malformations. Pertinent literature will be discussed and will be available for review on the Moodle Pediatrics Learning Site.

**Patient Encounters:**

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise.

**Syllabus:**

**Visiting Students:**

No special instructions.

Transportation may be needed for travel between hospitals and clinics.

---

**Contact:**

Marisa Couluris
mcouluri@health.usf.edu

(813) 259-8767

Marlene Papia, Administrator
(813) 259-8810

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638
Report will be provided one week prior to the start of the rotation.

Description:

**Objectives:**

1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent.
2. Understand and interpret basic imaging of the respiratory system and lung function testing.
3. Establish a level of competence in diagnosing and managing asthma in children utilizing the NIH Asthma Guidelines.
4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.
5. Become familiar with common respiratory therapeutic agents employed in pediatrics including airway clearance techniques and asthma pharmacotherapy.

**Rotation Activities:**

This elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of acute and chronic pediatric respiratory diseases. Some of these disorders will include: cystic fibrosis, stridor, chronic lung disease of infancy, and patients with congenital malformations such as tracheal, subglottic, and esophageal stenosis in conjunction with a tracheostomy. Patients with complex airway issues such as patients with a tracheostomy tube or requiring supplemental oxygen at home.

Pertinent literature will be discussed and will be available for review on the Moodle Pediatrics site.

**Patient Encounters:**

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise.

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

Transportation may be needed for travel between hospitals and clinics.

---

**Peds**

<table>
<thead>
<tr>
<th>MEL</th>
<th>8574</th>
<th>LVH-CC</th>
<th>1 - 11</th>
<th>Yr 4</th>
<th>Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pediatr</td>
<td>Pulmonary Disease</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Click here for additional course information.

**Contact:**

Tammy.Winterhalt@lvhn.org
Report to:
The first day after attending Pediatrics Morning Report, the student will report to the Pediatric Pulmonology office.

Description:
This elective is designed to introduce medical students to the field of pediatric pulmonology.

Objectives:
1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent.
2. Understand and interpret basic imaging of the respiratory system and lung function testing.
3. Establish a level of competence in diagnosing and managing asthma in children utilizing the NIH Asthma Guidelines.
4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.
5. Have a familiarity with common respiratory therapeutic agents employed in pediatrics, including airway clearance techniques and asthma pharmacotherapy.

Rotation Activities:
The Elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of pediatric respiratory disease.

Patient Encounters:
Student will be scheduled to present an interesting case at Pediatric Morning Report towards the end of the rotation.

Evaluation:
The student will be evaluated on clinical performance during this 4 week rotation. The student will receive a four-week evaluation form.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

| Peds | MEL 8575 Pediatric Intensive Care | LVH-CC 1 - 11 | Yr 4 Status | 1 | 0 | 40-44 | 4 | Lindmark, Amy | Clinical |
Report to: After attending Pediatrics Morning Report at the Cedar Crest Site, report to the PICU, 2nd floor Jaindl at 0900

Description: The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions. The PICU is dedicated to the care of critically ill children and serves as a teaching and research center for the Pediatric Critical Care Medicine fellowship program. The PICU provides didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

Objectives:
1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both assess a patient's condition and institute a treatment plan.
3. The student will learn to appreciate the utility and usefulness of both invasive and non-invasive physiologic monitoring and support.

Rotation Activities:
Student will round daily on the PICU (2 Jaindl) and the PICU Intermediate Unit (4 Pool). In addition to the learning during this rotation. Medical students will be on call two to three times during the rotation.

Patient Encounters:

Evaluation: Evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

Syllabus:

Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

Contact:
Dr. Julia Ashworth
jnoethe1@jhmi.edu
(727) 767-2743

ACH GME
(727) 767-4106

For questions if not able to reach above contact:
Report to: Will be provided one week prior to the start of the rotation

Description: The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical problems. The PICU is a patient and organ system derived approach to patient problems. Integration of multiple healthcare providers is emphasized.

Objectives:
1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both assess a patient’s condition and institute a treatment plan.
3. The student will learn to appreciate the utility and usefulness of both invasive and non-invasive physiologic monitoring and support.

Rotation Activities:
Students are given the responsibility for patient care under the direct supervision of the PICU resident or attending. This includes participation in daily rounds, attending didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

Patient Encounters:

Evaluation:
Final evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

Syllabus:

Visiting Students:
No

Special Instructions:
**Students who select a 2 week rotation may only have 1 day of absence excused.**

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8575 Pediric Intensive Care</th>
<th>TGH 1 - 11 Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-44</th>
<th>2.5</th>
<th>Weibley, Richard</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Dr. Dan Riggs
driggs@health.usf.edu

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

Report to: Will be provided one week prior to the start of the rotation

Description: The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical problems. The PICU is a patient and organ system derived approach to patient problems. Integration of multiple healthcare providers is emphasized.
Objectives:

1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.

2. The student will learn to incorporate accumulated data with critical thinking skills to both a assess a patient’s condition and institute a treatment plan.

3. The student will learn to appreciate the utility and usefulness of both invasive and non-invasive physiologic monitoring and support.

Rotation Activities:

- Students are given the responsibility for patient care under the direct supervision of the PICU resident or attending...didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

Patient Encounters:

Evaluation:

Final evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

Syllabus:

Visiting Students:

No

Special Instructions:

**Students who select a 2 week rotation may only have 1 day of absence excused.**

Contact:

Dr. Mitzi Go
mgo5@jhmi.edu

Dawn Jones
Admin
dawn.jones@jhmi.edu

ACH GME
(727) 767-4106

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation

Description:
Objectives:

Students will be taught to provide patient care that is compassionate, appropriate and effective for the promotion of health, prevention of illness, treatment of disease and at the end of life in the neonatal intensive care unit.

Rotation Activities:

Opportunities to participate in simulated resuscitative scenarios will be available.

Students will attend the NICU follow-up clinic. Students will have the opportunity to follow nutritional, developmental and social progress. Students will attend JHUSOM Pediatric Grand Rounds and ACH-JHM Grand Rounds.

Students will be able to observe a variety of procedures including but not limited to sterile gowning, intubation, lumbar puncture, suprapubic bladder aspiration, bladder catheterization and umbilical line placement.

Patient Encounters:

Evaluation:

Final evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Contact:

Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Adam Paul, DO
Children’s Hospital Subspecialty Center
1210 S. Cedar Crest Blvd., Suite 2400, Allentown, PA 18103
(610) 402-3888

Description:
Objectives:
1. Identify and explain the anatomy, physiology and pathology of the digestive system
2. Utilize knowledge about the developmental stages of the digestive system to aid in disease diagnosis and treatment
3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal problems
4. Explain the role genetics, biochemistry and molecular biology has on the digestive system
5. Justify the use of drugs to treat gastrointestinal conditions and be able to explain the pharmacological effects on the body
6. Summarize the principles of gastrointestinal surgery and be able to assess the risks and benefits of surgical procedures.

Rotation Activities:
The student will attend the Pediatric Gastroenterology clinic with one of the attendings, discussing... floor on the Cedar Crest campus.

Patient Encounters:
Evaluations will be evaluated on multiple aspects of patient care and clinical performance during the rotation.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
N/A

| Peds | MEL 8579 Ped Gastroenterology/Nutrition | ACH 1 - 11 | Adult Med or Mat Newborn | 1 | 0 | 40 | 4 | Wilsey, Mike | Clinical |

Contact:
Dr. McClenathan
mcclenathan@pedgi.org
Jennifer Leanna
JL@tummydoctors.net
(727) 822-4300
For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to: will be provided one week prior to the start of the rotation

Description: The Pediatric Gastroenterology/Nutrition Department is a very active clinical service. Students will participate in the diagnostic and therapeutic management of patients with gastrointestinal disorders. Students will assist in planning the diagnostic and therapeutic program for these patients.

Objectives:
1. Identify and explain the anatomy, physiology and pathology of the digestive system
2. Utilize knowledge about the developmental stages of the digestive system to aid in disease diagnosis and treatment
3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal conditions
4. Explain the role genetics, biochemistry and molecular biology has on the digestive system
5. Justify the use of drugs to treat gastrointestinal conditions and be able to explain the pharmacological effects on the body
6. Summarize the principles of gastrointestinal surgery and be able to assess the risks and benefits of surgical procedures.

Rotation Activities:
Students will be expected to participate in clinical gastrointestinal rounds and Gastroenterology Journal Club.

Patient Encounters:

Evaluation:
The student will be expected to read about the diseases of their clinic and hospital patients. Grading for the course will be a reflection of the student’s participation and daily activities.

Syllabus:

Visiting Students:
No

Special Instructions:
Contact Dr. McClenathan prior to the first day of the rotation.
Contact:

Drs. Wassam Rahman
wrahman2@jhmi.edu

Dr. Laleh Bahar-Posey
lbaharp@jhmi.edu

Danielle Wolfson, Emergency Admin Coordinator
dmeacha2@jhmi.edu

Beth McLaughlin
emclaug6@jhmi.edu

(727) 767-4106

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to:
Will be provided one week prior to the start of the rotation

Description:
The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of acutely ill and injured children.

By the completion of the rotation, students will be able to identify an acutely ill or injured child and develop and implement an appropriate management plan.

Objectives:

1. Introduce students to the clinical aspects of pediatric emergency medicine
2. Learn the basics of work-up and care for the pediatric emergency patient

Rotation Activities:

Students are integrated into the health care team and participate directly in all aspects of patient care, including patient encounters, bedside evaluation, and procedures. They also participate in radiology rounds, chart review, and monthly mock code scenarios designed to integrate with syllabus material.

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
No

Special Instructions:
Peds MEL 8580 Pediatric Emergency TGH 1 - 11 Pri Care or Mat Newborn 1 0 44 4 Gaar, Gregory Clinical
Medicine

Click here for additional course information

Contact:

Dr. Gregory Gaar
gregory_gaar@teamhealth.com
(813) 627-5973 or (813) 627-5906

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

Report to: Will be provided one week prior to the start of the rotation

Description:
The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of acutely ill or injured children. Students will be able to identify an acutely ill or injured child and develop and implement an appropriate management plan.

Objectives:

1. Introduce students to the clinical aspects of pediatric emergency medicine
2. Learn the basics of work-up and care for the pediatric emergency patient

Rotation Activities:

Students are integrated into the health care team and participate directly in all aspects of patient care. Activities include triage, resuscitation, radiology rounds, chart review, plus monthly mock code scenarios designed to integrate with syllabus material.

Patient Encounters:

Evaluation:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

No

Special Instructions:

Peds MEL 8582 Pediatric Infectious Diseases

| Peds | MEL 8582 Pediatric Infectious Diseases | ACH 2-11 | Pri Care or Mat Newborn | 2 | 0 | 40-44 | 4 | Berma, David | Clinical |
Contact: David Berman  
dberma19@jhmi.edu  
(813) 259-8725  

ACH GME  
(727) 767-4106  

For questions if not able to reach above contacts:  
USF Health Peds Edu Dept (813) 259-8638  

Report to: will be provided one week prior to the start of the rotation  

Description: Elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team.  

Objectives:  
1. Introduce students to the clinical aspects of pediatric infectious diseases  
2. Learn the basics of work-up and care for the pediatric infectious disease patient  

Rotation Activities:  
The majority of time is spent on inpatient consults. The student is exposed to all areas of the hospital since consults are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.  

Patient Encounters:  

Evaluation: Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.  

Syllabus:  

Visiting Students:  

Special Instructions:  
Visiting students are required to reserve a space in the department at least two weeks prior to starting elective.  

Transportation may be needed for travel between hospitals and clinics.  

No night call is required.  

**Students who select a 2 week rotation may only have 1 day of absence excused.**
Description: This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Diseases team.

Objectives:

Rotation Activities: The majority of time is spent on inpatient consults. The student is exposed to all areas of the hospital since consults are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

Patient Encounters:

Evaluation: Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: Report to the department at least two weeks prior to starting elective. Transportation may be needed for travel between hospitals and clinics. Part of the elective will take place at St. Joseph’s Hospital. No night call is required.

*Students who select a 2 week rotation may only have 1 day of absence excused.
Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to: Dr. Tibisay Villalobos
Pediatric Infectious Disease Physician Inpatient Unit at Cedar Crest.

Description: This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team. The majority of the time is spent in inpatient medicine, but outpatient activities are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

Objectives:
1. Learn to take a complete and thorough history pertaining to common infectious diseases problems
2. Demonstrate appropriate physical examination skills and ability to perform adequate assessment and differential diagnosis between infectious and non-infectious illnesses
3. Learn about laboratory diagnosis of common infections and the interpretation of current microbiologic, virologic, mycologic, parasitologic and serologic tests
4. Learn how to correlate laboratory findings (such as antibiotic sensitivities) to the clinical evaluation at the patient bedside
5. Learn about antimicrobials and the proper use in pediatrics
6. Identify the immunizations administered during childhood and adolescence and evaluate the indications for specific vaccines
7. Learn basic concepts of Hospital Epidemiology and Infection Prevention / Control and how to apply them to daily clinical practice
8. Understand the principles of treatment for most common infectious diseases
9. Identify infectious disease in the perinatal period that can cause congenital and neonatal infections
10. Learn about travel medicine and global health: how infectious diseases spread around the world

Learning Outcomes: This course will prepare the student to diagnose, treat and manage common infectious diseases in children and adolescents. The student will learn the indications for specific vaccines, the appropriate use of antimicrobials and the principles of treatment for most common infectious diseases. The student will also learn basic concepts of Hospital Epidemiology and Infection Prevention / Control and how to apply them to daily clinical practice.

Rotation Activities:
Students will join pediatric rounds each day with the Pediatric Infectious Disease team, including inpatient and outpatient consultations. A short project or presentation is voluntary and up to the needs and interests of the student.

Patient Encounters:
Evaluations will be evaluated on multiple aspects of patient care and clinical performance during the rotation.

Syllabus:
Visiting Students:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

**Students who select a 2 week rotation may only have 1 day of absence excused.

Peds

<table>
<thead>
<tr>
<th>MEL 8583 Adolescent Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGH/STC 1, 5-7, 9-11</td>
</tr>
<tr>
<td>Yr 4 Status 1</td>
</tr>
<tr>
<td>Yr 4 Status 0</td>
</tr>
<tr>
<td>Status 40-44</td>
</tr>
<tr>
<td>Status 2, 4</td>
</tr>
<tr>
<td>Straub, Diane</td>
</tr>
<tr>
<td>Clinical</td>
</tr>
</tbody>
</table>

Contact:

Dr. Diane Straub
dstraub@health.usf.edu

Julie Stann, Administrator
(813) 259-8772

Report to:

Dr. Diane Straub

Description:

This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to understand the normal sequence of physical growth and psychological development during puberty, and be able to accurately stage sexual development with Tanner staging. Students can also participate in adolescent health care in school-based clinics, at both high school and college settings.

Objectives:

1. Appreciate the unique medical and health needs of the adolescent population
2. Increase comfort level in communicating with teenagers, performing psychosocial risk interviews using the HEADDSS assessment, and providing preventive health anticipatory guidance for adolescents
3. Understand the normal sequence of physical growth and psychological development during puberty, and be able to accurately stage sexual development with Tanner staging
4. Perform a well adolescent physical and take on the role of primary care provider in working with specialists and physicians
5. Act as a subspecialist consultant for patients referred by outside primary care providers, and communicate the findings and plan of action back to the PCP
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, sexual development, obesity, psychological problems (depression, suicidality, eating disorders, substance abuse, etc.), and others
7. Recognize the common problem of poor adherence among adolescents, and encourage adolescents to become more active, responsible health care consumers
8. Improve communication with parents and families to help them understand normal adolescent development and confidentiality. Help parents facilitate their teens in taking a more active role in their health care
9. Learn about the importance of and how to assist with a successful transition from pediatric to adult health care for all adolescents and young adults, especially those with chronic medical conditions and special health care needs

Rotation Activities:

The experience will be supplemented with time spent at the Healthy Weight Clinic, learning about the care of teens with obesity and substance abuse problems in adolescents; and at a variety of other settings, learning about sports medicine.
Students will work closely with residents from USF pediatrics, and depending on the site the student will work at, they may be available to attend the USF Residency program conferences.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise.

Evaluation:

Syllabus:

Visiting Students:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Transportation may be needed for travel between hospitals and clinics.
Prior approval required from the course director (Dr. Straub) prior to start of the elective.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8583 Adolescent Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>LVHN</td>
<td>7 - 11</td>
</tr>
<tr>
<td>Yr 4</td>
<td>Status 1</td>
</tr>
<tr>
<td></td>
<td>Gomez DeJesús, Rosa</td>
</tr>
</tbody>
</table>

Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Description:
This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to participate in adolescent visits at LVHN's Adolescent Outpatient Office located at 401 North 17th Street, Suite 203, Allentown at the LVHN 17th & Chew campus.

Objectives:
1. Appreciate the unique medical and health needs of the adolescent population
2. Increase comfort level in communicating with teenagers, performing psychosocial risk interview
3. Understand the normal sequence of physical growth and psychological development during puberty
4. Perform a well adolescent physical and take on the role of primary care provider in working
5. Act as a subspecialist consultant for patients referred by outside primary care providers, and communicate the findings and plan of action back to the PCP.

6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, abnormal weight gain or loss, pregnancy, obesity, psychological problems (depression, suicidality, eating disorders, substance abuse, etc), and others.

7. Recognize the common problem of poor adherence among adolescents, and encourage adherence to the plan of treatment.

8. Improve communication with parents and families to help them understand normal adolescent development and health issues.

9. Learn about the importance of and how to assist with a successful transition from pediatric to adult health care for all adolescents and young adults, especially those with chronic medical conditions and special health care needs.

**Rotation Activities:**

The experience will be supplemented with time spent with the dietician, learning about disordered eating patterns and weight management as well as with the gynecologist learning about the unique reproductive care needs of the adolescent.

**Patient Encounters:**

**Evaluation:**

Student performance during the Adolescent rotation will be assessed using the following methods:

- Global assessment of the student performance completed by the supervising attending at the end of the rotation.
- Direct and timely feedback by attending during the delivery of patient care.
- Feedback on documentation by supervising attending.

**Syllabus:**

**Visiting Students:**

Visitor Students: Lehigh Valley Network on VSAS.

**Special Instructions:**

Visiting Students: Lehigh Valley Network on VSAS.

**Contact:**

Dr. Justyna Wojas
jwojas@health.usf.edu

Dr. Tanya Murphy
tmurphy@health.usf.edu

Amber Berkham, Admin
Description:
This elective is designed to introduce senior medical students to the identification, evaluation, and treatment of psychiatric disorders in children and adolescents. It focuses on understanding and managing conditions such as autism spectrum disorders, pervasive developmental disorders, mood disorders, and behavioral issues. Students will gain hands-on experience by participating in various activities and case presentations.

Objectives:

1. Develop skills in the evaluation, diagnosis, treatment, and management of children and adolescents with psychiatric disorders through observing comprehensive assessments.
2. Recognize co-occurring conditions and how to screen for them.
3. Become familiar with common rating scales for this patient population.
4. Recognize the complexities in treating this patient population as it requires collaboration between medical providers, counselors, rehabilitative therapies, school systems, and the family.
5. Describe a comprehensive treatment plan that reflects the biopsychosocial model.
6. Learn basic principles of medication management in this patient population.
7. Be exposed to cognitive behavioral therapy and habit reversal therapy.
8. Learn about educational, therapeutic, and counseling modalities for the specific disorders.
9. Develop oral case presentation skills and participate in writing comprehensive evaluations.
10. Participate in journal article discussions.
11. Observe speech, audiology, and occupational therapy screenings.

Rotation Activities:
Students will have the opportunity to participate in Occupational and Physical therapy assessments, raising awareness of the comprehensive approach to treatment.

Patient Encounters:
Faculty observation and evaluation of student/patient interactions, case presentations, and journal article discussions.

Syllabus:

Visiting Students:
No
Special Instructions:
Contact Dr. Murphy at least one month prior to the start of the elective.
Transportation may be needed for travel between hospitals and clinics.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 7320K</th>
<th>EXT</th>
<th>1 - 7</th>
<th>Yr 4</th>
<th>Status</th>
<th>No</th>
<th>44</th>
<th>4</th>
<th>Faculty Externs hip</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peds</td>
<td>MEL 9999K</td>
<td>USFMS or LVHN</td>
<td>1 - 11</td>
<td>Yr 4</td>
<td>Status</td>
<td>No</td>
<td>44</td>
<td>4</td>
<td>Faculty Indep Study</td>
</tr>
<tr>
<td>Psyh</td>
<td>MDE 8157 Adv in the Understanding of the Pathophysiology Underpinnings of Dementia</td>
<td>T-VAH</td>
<td>11A</td>
<td>Yr 4</td>
<td>Status</td>
<td>10</td>
<td>0</td>
<td>40</td>
<td>2</td>
</tr>
</tbody>
</table>

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Report to:
JAHVA Main Hospital
GA-004
8:00 AM

Description:
This course will be conducted in a seminar style fashion. Students will meet with faculty to review recent articles about dementia. Topics will include underlying pathophysiology, genetics, diagnostic methods, treatment and prevention of dementia.

Objectives:
At the end of the course students will be able to:
1. Discuss the latest models of how neuropathological protein misfolding occurs in the brain and its role in the development of dementia along with other pathophysiology that leads to dementia.

2. Describe trophic factors that support neuron functioning and toxins that may accelerate dementing processes.

3. Identify evolutionary and genetic factors that make a person susceptible to dementia and current recommendations for identifying these factors in clinical care.

4. Discuss potential interventions to prevent dementia.

5. Discuss the work up for a patient with mild cognitive impairment or early dementia.

6. Describe the pathways and biological targets for pharmacologic and non-pharmacologic interventions.

Rotation Activities:

Students will meet with course faculty to review recent papers about advance in the understanding of the development, pathophysiology, and treatment of neurodegenerative disorders. There will be an opportunity for interested students to get clinical exposure to patients with cognitive impairment.

Patient Encounters:

Students will evaluate articles using a critical appraisal tool that they will turn in for faculty review.

2. Students will give a presentation on the final day of the rotation to faculty and peers including a list of references.

3. Professionalism and group participation will also be assessed throughout the elective.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Psych

MDE 8811 Integration of Brain Networks

T-VAH 8B Yr 4 Status 8 2 40 2 Kozel, Frank Basic Science

Contact:

pcrump@health.usf.edu

(813) 974-5368

Dr. Frank Kozel

(813) 972-2000 ext. 5289

Click here for additional course information.
Report to: JAHVA Hospital
Building 68, Room 227
1:00 PM

Description: The course will provide a conceptual framework to think about brain disease following the National Institutes of Mental Health (NIMH) and will serve as the basis for understanding and evaluating brain disorders. At the end of the course, students will be required to present a small conceptual paper on a topic of their choice related to course materials.

Objectives: Students will be able to:
1. Discuss different classes of variables (or units of analysis) affecting behavior including genes, molecules, cells, neural circuits, physiology, behaviors, and self-reports
2. Describe the circuits that represent the core aspect of these classes of variables – as central to the various biological and behavioral levels of analysis
3. Discuss the selection, implementation and limitations of modern treatment modalities for brain disorders
4. Integrate the basic science knowledge described with clinical applications and laboratory results
5. Critically evaluate the pertinent literature to one topic of their choice and summarize it into a 20-minute conceptual presentation

Rotation Activities: Students will meet with course faculty and review selected articles. At the end of the course, all students will be required to present a small conceptual paper on a topic of their choice related to course materials.

Patient Encounters: N/A

Evaluation: Students will be evaluated based on faculty evaluation of interaction, participation, peer evaluation, and a final scholarly project.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Contact: Pat Crump
T-VAH 1-11 Yr 4 Status 1 0 40-50 2 Klippel, Cory Clinical
Report to:
Main JAHVA Hospital campus
Room 1A-105J
13000 Bruce B. Downs Blvd
Tampa, FL 33612

Description:
This elective gives the student the unique opportunity to participate in the evaluation, diagnosis, and management of psychiatric patients who present with acute psychiatric complaints to the emergency department. The student will have the opportunity to work under the direct supervision of medical staff and attend the in-service lectures on common topics relevant to psychiatric care in the acute care setting.

Objectives:
During the rotation the student will demonstrate the ability to:

1. Obtain a history and perform relevant physical exam for urgent psychiatric complaints
2. Conduct a thorough mental status assessment inclusive of:
   1. A comprehensive assessment for dangerousness inclusive of suicide and violence risk
   2. Use of the MoCA to screen for cognitive deficits
3. Differentiate functional from organic disorders, define and identify common psychotic, affective and characterological disorders
4. Recognize interaction of substance abuse with other syndromes
5. Differentiate problems which require further inpatient assessment and treatment versus outpatient care
6. Appropriately utilize medications and recognize major side effects
7. Use of brief interventions inclusive of crisis intervention, chemical and physical restraint, etc.
8. Describe the elements required for confidentiality, involuntary hospitalization and surrogate decision making under the Florida statutes and Mental Health Code.
9. Identify appropriate sources of collateral information to inform the psychiatric evaluation (i.e. family, pharmacy, ALF, narcotic verification registry, etc.)
10. Demonstrate the ability to document a psychiatric history, mental status exam and medical decision making for an urgent psychiatric assessment.

Rotation Activities:
1. Perform supervised clinical interviews with the patient in the acute crisis setting Monday-Friday 8AM-4:30 PM
2. Demonstrate the ability to refine both oral and written psychiatric presentations.
3. In-service lectures on common topics relevant to psychiatric care in the acute care setting.
Patient Encounters:

Evaluation:

Direct observation by supervising faculty of interviewing and PE skills (at least weekly)

Review of medical documentation by faculty supervising the rotation (daily)

10 minute oral presentation on a topic of interest

The grade will be compromised of 75% clinical evaluation and 25% oral presentation on a topic of interest

Syllabus:

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Contact:

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Saundra Stock
sstock@health.usf.edu
(813) 230-8422

Report to: University Psychiatry Center
7:45 AM on first day - Ask front desk for “attending” for resident clinic
3515 E. Fletcher Ave
Tampa, FL 33613

This elective is designed to provide interested students with clinical and didactic training in outpatient psychiatry. Attendance at a one-week rotation at the Tampa VA Hospital is also available.
Objectives: By the end of the rotation students will be able to:

1. Describe common presenting symptoms and disorders in various outpatient psychiatric settings.
2. Discuss challenges in establishing a psychiatric diagnosis in the outpatient setting including interviewing techniques that facilitate building rapport.
3. Describe variety of psychotherapy modalities including individual, group, and family, therapy and when to refer each of these modalities.
4. Compare and contrast use of psychotropic medications in the outpatient and inpatient settings.

Rotation Activities: Students will see new and established patients in conjunction with psychiatry residents and faculty.

Patient Encounters:

Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elective objectives. The student will conduct a 10 minute presentation on a relevant topic of interest. The student will submit medical documentation for review by faculty.

Syllabus:

Syllabus 8109 Outpt Psych Syllabus.pdf

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

<table>
<thead>
<tr>
<th>Psych</th>
<th>MEL 8602 Child &amp; Adolescent Psychiatry</th>
<th>UPC</th>
<th>1 - 11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Stock, Saundra</th>
</tr>
</thead>
</table>

Contact: Pat Crump

pcrump@health.usf.edu

(813) 974-5368

Dr. Saundra Stock
Description:
The elective is designed to provide the interested student with an opportunity to develop diagnostic and management skills for psychiatric and behavioral problems. This is achieved through the focus on psychiatric and behavioral disorders commonly encountered in family medicine and pediatric practices.

Objectives:
The expected outcomes of the rotation for students are:

1. Describe how to evaluate and diagnose common psychiatric and behavioral disorders in children.
2. Discuss the role of psychotherapy including individual and family therapy in the treatment of psychiatric disorders.
3. Discuss legal and ethical aspects of psychiatric care for children and adolescents, including informed consent, assent, and confidentiality.
4. List community agencies available to help children with psychiatric and behavioral problems.

Rotation Activities:
Students will see new and established patients and families in conjunction with psychiatry residents and faculty.

Patient Encounters:

Evaluation:
The supervising faculty will evaluate the student’s clinical performance according to the elective objectives. The student will conduct a 10-minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus:
MEL 8602 Child Psych Syllabus.pdf

Visiting Students:
- Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A
Cent Psychi atr y

Click here for additional course information

Contact: Siddhartha Maru
Siddhartha.Maru@lvhn.org
(484) 884-6503

Report to: Dr. John Campion and Dr. John Paul Gomez
Adolescent Inpatient Unit at Muhlenberg

Description: This elective is designed to provide the interested student with an opportunity to develop diagnostic and management skills in the psychiatric problems commonly encountered in family medicine and pediatric practice.

Objectives:
1. Learn how to evaluate and diagnose psychiatric problems including common behavioral disorders in children
2. Learn basic management skills of psychiatric problems including common behavioral disorders
3. Become familiar with community agencies available to help children with psychiatric and behavioral problems
4. Become more familiar with the general practice of child psychiatry
5. Enhance interviewing skills of children and their families

Rotation Activities:
Students rotate on the inpatient child and adolescent psychiatry unit. They will follow several patients on the unit and actively participate in their treatment. Students will also be expected to give a 10-minute presentation on a relevant topic of interest.

Patient Encounters:

Evaluation:
The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus:

Visiting Students:

Special Instructions: Prior approval of Drs. Gomez, Campion, and Martin required at least four months prior to the start of the elective.
Description:
The elective is designed to provide interested senior medical students with an advanced experience in the evaluation and treatment of patients with memory complaints and psychiatric disorders. The students will gain knowledge about geriatric psychiatry and the differential diagnosis of patients with memory complaints and psychiatric disorders.

Objectives:
1. Become familiar with the multidisciplinary assessment of elderly patients
2. Develop specialized diagnostic skills for identifying and differentiating the multiple causes of dementia
3. Learn how to integrate psychiatry and medical care of the elderly
4. Become familiar with utilization of community resources in the care of the elderly
5. Become familiar with the therapeutic rapport between physician and the patient’s family or care giver

Rotation Activities:
The student will spend the majority of the elective at the Memory Disorders Clinic at the Psychiatry Center. The student will also spend a portion of the elective at the Hospital Acute Recovery Unit (ARC) 30-G, Ground Fl of the nursing home. Supervision and seminars will complement these clinical activities.

Patient Encounters:
- Dementia
- Mild Cognitive Impairment

Evaluation:
The student's clinical performance will be evaluated by the supervising faculty according to the elective objectives. In addition, the student will be expected to complete a self-evaluation of what he/she learned on the elective, and a critique of his/her elective experience.
**Syllabus:**

**Visiting Students:**  
Apply via  
USF Health Morsani College of Medicine  
on VSAS.

**Special Instructions:**

### Psych 8611 AI  
**Psych:** Adv  
**Adult Inpatient**

> Click here for additional course information

<table>
<thead>
<tr>
<th>Contact</th>
<th>Pat Crump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Email</td>
<td><a href="mailto:pcrump@health.usf.edu">pcrump@health.usf.edu</a></td>
</tr>
<tr>
<td>Phone</td>
<td>(813) 974-5368</td>
</tr>
</tbody>
</table>

### Report to:  
JAHVA Hospital Acute Recovery Unit (ARC) 30-G  
Ground Fl of the nursing home  
7:30 AM  
13000 Bruce B. Downs Blvd  
Tampa, FL 33612

### Description:

This elective is designed to provide advanced clinical and didactic training in inpatient psychiatry. Students will have the opportunity to...

### Objectives:

By the end of the rotation students will:

1. Demonstrate the ability to interview patients with acute psychiatric symptoms including those that are suicidal, agitated and/or psychotic.
2. Be able to conduct a risk assessment for suicide and violence.
3. Discuss the differential diagnosis for patients under their care.
4. Be able to create a biopsychosocial formulation.
5. Discuss how to select an initial pharmacologic agent for common psychiatric disorders in the inpatient setting, including knowledge of various agents and possible medication interactions, and the necessary medical monitoring for these medications.
6. Describe psychotherapy interventions for acutely ill patients including milieu management.
### Rotation Activities:

Students will perform the history and physical for patients being admitted to the hospital and will take care of patients under their care. Students will participate in multidisciplinary team meetings. There is the opportunity to mentor 3rd year medical students on the team.

### Patient Encounters:

**Evaluation:**

The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

- The student will conduct a 10 minute presentation on a relevant topic of interest.
- The student will submit two discharge summaries for review by faculty.

**Syllabus:**

MEL 8611 AI Inpatient Syllabus.pdf

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

Can accommodate 3 students. An additional spot can be requested via drop/add.

---

<table>
<thead>
<tr>
<th>Psych</th>
<th>MEL 8611 AI</th>
<th>LVH-M</th>
<th>1-11</th>
<th>Yr 4</th>
<th>Status</th>
<th>1</th>
<th>0</th>
<th>40-50</th>
<th>4</th>
<th>Maru, Siddhartha</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**

Siddhartha Maru

Siddhartha.Maru@lvhn.org

(484) 884-6503

**Report to:**

Dr. Karper and Dr. Primelo

Adult Inpatient Unit at Muhlenberg

**Description:**

This elective is designed to provide advanced clinical and didactic training in inpatient psychiatry. Students will be involved in patient care, composition of discharge summaries. Close supervision, seminars, and independent study will complement the clinical activities.

**Objectives:**

1. Examine various psychiatric conditions in greater depth while determining the best method of treatment for these conditions.
2. Analyze and identify appropriate uses of psychotropic medication

3. Develop a familiarity with a variety of psychotherapy modalities including individual, group

4. Develop effective interviewing skills used when working with psychiatric patients

**Rotation Activities:**

Students rotate on the inpatient psychiatry unit. They will follow several patients on the unit.

**Patient Encounters:**

**Evaluation:**

The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

In addition, the student will be required to prepare a written summary of the elective experience including a description of clinical activities, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

Prior approval of Drs. Karper, Primelo, and Martin required at least four months prior to start of elective.

<table>
<thead>
<tr>
<th>Psych</th>
<th>MEL 8612</th>
<th>T-VAH</th>
<th>1-11</th>
<th>None</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Fils, Jean</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

**Report to:**

James A Haley VA Acute Recovery Unit (ARC) 30-G
Ground Fl
7:30 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612

**Description:**

This elective is designed to offer advanced experience in the evaluation, treatment, and rehabilitation of elderly psychiatry patients. Supervision, seminars, and independent study will complement the clinical activities.
Objectives:

1. Become familiar with the multidisciplinary assessment of elderly patients
2. Develop specialized diagnostic skills for identifying and differentiating organic brain syndromes
3. Learn how to integrate psychiatry and medical care of the elderly
4. Become familiar with utilization of community resources in the care of the elderly

Rotation Activities:

Students will see geriatric patients in their families in a variety of settings. Evaluations of new

Patient Encounters:

Evaluation by supervising faculty will evaluate the student’s clinical performance according to the elec.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Special instruction will also be at the University Psychiatry Center.

<table>
<thead>
<tr>
<th>Psyh</th>
<th>MEL 8613 Alcoholism &amp; Substance Abuse</th>
<th>T-VAH 1-11</th>
<th>Psych /Neuro</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Barnett, Mildred</th>
</tr>
</thead>
</table>

Contact:

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Report to: JAHVA Hospital Outpatient Psychiatry Clinic

1077 N. 46th Street Bldg E
Tampa, FL 33617

Description: This elective is designed to offer advanced experiences in the evaluation, treatment, and rehab.
Objectives:

1. Demonstrate diagnostic skills in chemical dependency and associated medical and psychiatric disorders.

2. Describe individual, group, and community treatment techniques for the chemically dependent patient.

3. Discuss how to facilitate rehabilitation of chemically dependent patients.

4. Identify community resources for chemically dependent patients.

Rotation Activities:

Students will see both new and established patients in the outpatient substance use treatment program at the James A. Haley VA in conjunction with faculty and residents.

Patient Encounters:

Evaluation:

The supervising faculty will evaluate the student’s clinical performance according to the elective objectives. In addition, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

| Psych | MEL 8614 Adv Adult Psych Consul ts | TGH | 1-11 | Adult Med, Psych /Neuro | 2 | 0 | 44-50 | 2,4 | Hartney, Kimberly | Clinical |

Contact:

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Kimberly Hartney
(941) 276-3759

Report to: Tampa General Hospital
2nd Fl.
Follow the signs to the rehab building. Once you cross the glass-enclosed walkway, you will see, immediately on the right, a door labeled “Aeromed.” Enter that door, and the first floor on the right inside the suite is the Psychiatry Consult Office.

**Description:**

This elective is designed to provide students with a greater understanding of the interface between psychiatry and the medically ill. It is intended to help students understand the unique challenges of treating patients with psychiatric symptoms who also have medical conditions, such as substance use disorders, dementias, and other organic illnesses with a heavy focus on the interface of psychiatry in the medically ill.

**Objectives:**

1. Demonstrate familiarity with psychiatric diagnoses common in the medically ill.
2. Demonstrate the ability to perform interviews on difficult medical/surgical patients.
3. Demonstrate the ability to function well as part of a consultation/liaison team and work with members of other medical teams and other disciplines.

**Rotation Activities:**

Students will:

1. Perform psychiatric consultations for patients on medical and surgical floors conducting both new and follow up evaluations.
2. Create documentation and orders for the care of those patients.
3. Act as an educator for junior medical students.

**Patient Encounters:**

Alcohol withdrawal
Psychosis

**Evaluation:**

Faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

**Syllabus:**

MEL 8614 syllabus AI - CL Psychiatry.pdf

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

| Psych  | MEL 8614 Adv Adult Psych Consul | T-VAH | 1 -11 | Adult Med, Psych /Neuro | 2 | 0 | 44-50 | 2,4 | Sullivan, Gregory | Clinical |
Description:
The elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, focusing on psychiatric diagnoses common in the medically ill.

Objectives:
1. Demonstrate familiarity with psychiatric diagnoses common in the medically ill
2. Demonstrate the ability to perform interviews on difficult medical/surgical patients
3. Demonstrate the ability to function well as part of a consultation/liaison team and work with members of other medical teams and other disciplines

Rotation Activities:
Students will:
1. Perform psychiatric consultations for patients on medical and surgical floors conducting both new and follow up evaluations
2. Create documentation and orders for the care of those patients
3. Act as an educator for junior medical students

Patient Encounters:
Delirium
Alcohol withdrawal
Psychosis

Evaluation:
Faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.
The student will submit medical documentation for review by faculty.

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

Psych MEL 8614 Adv Child/Adult Psych Consul ts

Contact: Siddhartha Maru
Siddhartha.Maru@lvhn.org
(484) 884-6503

Report to: will be provided one week prior to the start of the rotation.

Description: This elective is designed to provide students with a greater understanding of the interface between psychiatry and other medical fields, including mood disorders, conversion disorders, psychotic disorders, delirium, dementias, and other organic illnesses.

Objectives:

1. Become familiar with psychiatric diagnoses in both the adult and child populations
2. Improve interviewing skills by performing interviews on difficult medical/surgical patients
3. Learn to be part of a consultation/liaison team and be able to work with members of other medical teams and other disciplines

Rotation Activities:
Students rotate on the consult service. They will see 3-4 new consults each day and participate in all aspects of their treatment plan. Students will also be expected to give a 10-minute presentation on a relevant topic of interest.

Patient Encounters:

Evaluation: Faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.
The student will submit medical documentation for review by faculty.
Syllabus:

Visiting Students:

Special Instructions: Prior approval of Dr. Martin required at least four months prior to the start of the elective.

| Psych | MEL 8626 Neurostimulation in Psych | T-VAH | 1-11 | Psych/Neuro | 1 | 0 | 40 | 2,4 | Currier, Glenn | Clinical |

Contact:

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Jaime Fernandez
(917) 822-4293

Dr. Frank Kozel
(813) 974-2000 ext. 5289

Kim Vantrees, Nurse Treater
Kimberly.Vantrees@va.gov

Memorial Hospital
2901 W. Swann Avenue, Tampa, FL 33609

Go to the main entrance and text Dr. Fernandez when you arrive.

Description: This elective is designed to introduce senior students to the use of various forms of neural stimulation in the treatment of psychiatric disorders. By the end of the elective, students will have a better understanding of the current use of neural stimulation for the treatment of psychiatric disorders.

Objectives:

1. Familiarize the student with the multiple available methods for neural stimulation
2. Identify the psychiatric disorders which are indications for treatment by neural stimulation
3. Compare neural stimulation to the pharmacologic treatment of psychiatric disorders
4. Compare the treatment response of neural stimulation to other current treatment methods
5. Evaluate new patients for suitability for deep brain stimulation, transcranial magnetic stimulation, vagal nerve stimulation and electroconvulsive therapy.

6. Participate in the treatment of patients with electroconvulsive therapy, transcranial magnetic stimulation, and deep brain stimulation.

**Rotation Activities:**

Students will see patients at the James A. Haley Neurotherapies Clinic, Memorial Hospital, and other related settings. This rotation will familiarize students with the methodologies of neurostimulation, selection of appropriate patients and the implementation of neurostimulation treatment plan.

**Patient Encounters:**

Students will work closely with the Neurostimulation Attending who will provide the assessment.

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

Obtain required reading from Pat Crump before the rotation starts. Part of the rotation will occur at Memorial Hospital.

---

**Contact:**

Pat Crump  
pcrump@health.usf.edu  
(813) 974-5368  
Dr. Glenn Catalano  
Glenn.Catalano@va.gov  
(813) 382-8959  

8:00 AM  
3515 E. Fletcher Ave  
Tampa, FL 33613  

**Description:**

This elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral treatments. The student will work closely with the Neurostimulation Attending who will provide the assessment. Part of the rotation will occur at Memorial Hospital. Students will obtain reading from Pat Crump before the rotation starts.
Objectives:
1. Increase the knowledge of psychiatry and behavioral medicine in an area of particular interest to the student
2. Become familiar with research methodology
3. Gain an enhanced perspective of the role of behavioral principles in the practice of psychiatry

Rotation Activities: individualized based on student interest and available projects.

Patient Encounters:

Evaluation:
The research supervisor will evaluate the student’s research performance according to the elective objectives.

Syllabus:

Visiting Students:

Special Instructions:
Prior approval from the department (the Chair of Psychiatry or Faculty supervisor for the rotation) required. For T-VAH contact Dr. Glenn Catalano.

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Rashawna Perry
Assistant to Dr. Currier
(813) 974-4657

Report to:
8:00 AM
3515 E. Fletcher Ave
Tampa, FL 33613

Description:
This elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral medicine and to gain experience in the conduct of research in an area of particular interest to the student. The student will, during the course of the rotation, perform research under the supervision of a faculty member, who will evaluate the student’s performance. The student will also review the literature relevant to his/her chosen topic and write a research critique. In addition, the student will provide the elective supervisor with a written critique of his/her elective experience.
Objectives:
1. Increase the knowledge of psychiatry and behavioral medicine in an area of particular interest to the student
2. Become familiar with research methodology
3. Gain an enhanced perspective of the role of behavioral principles in the practice of psychiatry and medicine

Rotation Activities:
Activities will be individualized based on student interest and available projects.

Patient Encounters:
N/A

Evaluation:
The research supervisor will evaluate the student’s research performance according to the elective objectives. In addition, the student will provide the elective supervisor with a written critique of his/her elective experience.

Syllabus:

Visiting Students:
No

Special Instructions:
Prior approval from the department (the Chair of Psychiatry or Faculty supervisor for the rotation) required. For UPC, call 813-974-4657 to make an appointment with the chair.

Contact:
Cody Donchez
Administrative Secretary
Radiology Administration
Cody_A.Donchez@lvhn.org
Report to:
Cody Donchez, Radiology Administrative Office LVH-Cedar Crest

Description:
This elective is designed to allow a medical student to work closely with an attending pediatric radiologist. Students will gain one-on-one didactic and practical experience and training in the correct ordering, protocoling, and justification of radiographic tests. The rotation will include interdepartmental conferences.

Objectives:
1. Identify and explain indications/contraindications for common pediatric radiographic tests
2. Develop clinical judgment regarding the appropriate use of radiographic examinations.
3. Identify alternatives to radiography, fluoroscopy and CT in the pediatric patient
4. Identify and institute pediatric specific protocols in common examinations
5. Interpret common pediatric radiographic examinations
6. Identify and discuss imaging concerns directly applicable to the pediatric patient, including radiation exposure, child life assistance, and sedation
7. Integrate information into a multidisciplinary approach to radiologic care and services

Rotation Activities:
Patient Encounters:

Evaluation:
Students will be evaluated based on feedback from the various attending radiologists who interact with them.

Syllabus:

Visiting Students:

Special Instructions:

Radiology

| MDE 8771 Radiological Anatomy | USFS | 1-11 | None | No Limit | 0 | 40 | 4 | Decker, Summer Basic Science |

Contact:
Destiny McArthur
Medical Education Coordinator
Description: This elective is designed to provide students with a self-study program in radiological anatomy as it relates to medical imaging. Topics will include cross-sectional imaging of the brain, head and neck, spine, upper and lower limb, thorax, abdomen, and pelvis.

Objectives:
1. Identify important anatomical structures of the head, neck, brain, and spine in different medical imaging modalities.
2. Identify important anatomical structures of the musculoskeletal system of the upper and lower extremities as well as the chest, abdomen, and pelvis in different medical imaging modalities.
3. Identify important anatomical structures within the chest, abdomen, and pelvis in different medical imaging modalities.

Rotation Activities:
- Final Exam

Patient Encounters:
- N/A

Evaluation:
A series of 4 quizzes and a final exam will cover imaging anatomy of the head and neck, spine, upper and lower extremities, as well as the chest, abdomen, and pelvis.

The final examination will be on the last day at the Tampa campus testing center (proctored). Arrangements can be made to take the exam in another location if the proctor is available to come to your location. No exceptions will be made to this requirement. In the event that the proctor is not available to come to your location, students will be allowed to sit for a proctored exam on the LVHN campus on the date scheduled. Make up exam only available on universal make up day.

Syllabus:
- Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Any student interested in a focused self-study program in a particular area of radiological anatomy must meet with one of the course co-directors at least one month prior to beginning of the elective to determine the course of study. Final exam proctored on last day of elective in the USF Testing Center. The only option for rescheduling is on the universal reschedule date in April.
Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Report to:
Will be provided one week prior to the start of the rotation

Description:
This elective is designed to introduce senior medical students to the role and practice of breast imaging. It will provide an understanding of the role of diagnostic imaging and image guided diagnostic procedures in disorders of the breast.

Objectives:
1. Develop an understanding of the effects of screening mammography on population based survival rates and the current recommendations for screening mammography.
2. Discuss the most common pathologic entities of the breast.
3. Develop a sound understanding of how to interpret a screening mammogram using the BI-RADS lexicon.
4. Understand when a diagnostic mammogram, ultrasound or MRI is indicated in the evaluation of the breast.
5. Observe mammograms and breast ultrasounds being performed and interpreted.
6. Understand the strengths and limitations of various breast imaging techniques.
7. Describe image guided breast procedures and their indications.
8. Develop an understanding for the interdisciplinary environment of breast care with radiology, pathology, and surgery.
9. Follow a patient from image guided needle localization to lumpectomy.
10. Have the opportunity to be involved in research for publication if a 4 week elective is chosen.

Rotation Activities:
The student will review breast imaging studies with faculty and diagnostic radiology housestaff. They will have the opportunity to observe mammograms and breast ultrasounds being performed and interpreted. They will also participate in image guided breast procedures and learn about the interdisciplinary environment of breast care. If a 4 week elective is chosen, there may be an opportunity for research.

Patient Encounters:
The student will work closely with the attending radiologists who will provide the assessment.

Evaluation:
The student will work closely with the attending radiologists who will provide the assessment.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
**Intro to Radiology**

Click here for additional course information

**Contact**

Medicall Education Coordinator

dmcarthur@health.usf.edu

**Report to** provided one week prior to the start of the rotation

- 1 st day Orientation for Periods A
- Assigned rotation for Periods B

**Description:** This two week elective is designed specifically for third-year medical students to provide an introduction to diagnostic imaging and its applications. The program will include weekly lectures, group image interpretation sessions, and a series of didactic sessions given by radiology faculty and residents.

**Objectives:**

1. The medical student will develop an appreciation of the complexity of diagnostic imaging including an understanding of the types of studies which are available and the information they can provide.

2. The students will also gain an understanding of the clinical indications for obtaining studies, the relative risk/benefit of radiologic procedures and the basic technical aspects of how examinations are performed.

3. The student will develop an understanding of the differences between, and interactions among, each of the imaging specialties and the operation of these radiologic subspecialties in the context of modern radiologic and medical practice.

4. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate imaging: hypodensity, mass, increased intracranial pressure, space occupying lesions, bone, fracture, elbow joint effusion, and shoulder dislocation.

**Rotation Activities:** Attend weekly lectures, participate in rotation assignments, presentation

**Patient Encounters:**

**Evaluation:** Students are evaluated based on daily attendance, skills in presenting an imaging case, and a written evaluation at the end of the course from each rotation week.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:** Enrollment will be subject to availability and will require prior approval of the director.

| Radiology | MEL 7701 Neuroradiology | TGH 2-11 | Yr 4 Status | 1 | 0 | 40 | 2 | Murtagh, Ryan | Clinical |
Description: This elective is designed to introduce senior students to the practice of neuroradiology, including computed tomography, magnetic resonance imaging, cerebrovascular studies, and imaging of neoplastic and infectious processes.

Objectives:

1. An understanding of the indications for advanced neuroimaging (CT, MRI, CTA, MRA)
2. A fundamental understanding of basic neuroimaging with respect to pertinent normal anatomy
3. The ability to categorize and organize subdivisions of neuroimaging such as cerebrovascular
4. The ability to discuss the most common neuropathologic entities
5. A basic understanding of technique and indications for cerebral angiography and other invasive procedures

Rotation Activities:

- Review of imaging principles
- Review neuroimaging studies with neuroimaging faculty and diagnostic radiology housestaff
- Practical experience in neuroradiology

Patient Encounters:

Evaluation:

Students are evaluated based on daily attendance and by a written evaluation at the end of the course.

Syllabus:

Visiting Students:

Visiting students are responsible of contacting the course director within the first 3 days of the rotation.

Radiology

<table>
<thead>
<tr>
<th>MEL 7703</th>
<th>TGH 2-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Zwiebel, Bruce</th>
<th>Clinical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radiology</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Description: Diagnostic and therapeutic methodologies in interventional radiology will be studied in this elective.

Objectives: The primary objective of this elective is to introduce the student to this specialized area of radiology, and to help the student understand the extent of the impact of interventional techniques and their realistic place in the therapeutic armamentarium available for patient care.

Rotation Activities: During this elective, a project will be undertaken under the supervision of one of the instructors.

Patient Encounters: Evaluation form and evaluation by the attendings will be used to measure grade.

Syllabus:

Visiting Students: Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A
**Description:**
This elective experience is designed to introduce the medical student to diagnostic, therapeutic, and palliative aspects of oncology, focusing on interventional oncology and the appropriateness of these techniques as they relate to the overall patient care.

**Objectives:**
1. Gain knowledge about a wide range of interventional radiologic procedures
2. Identify the role of disease specific image guided interventions
3. Gain knowledge on patient evaluation/candidacy, image guided techniques, and post procedural management.
4. Understand the multidisciplinary options for cancer patients

**Rotation Activities:**
The student will have additional opportunities to participate in multidisciplinary conferences.

**Patient Encounters:**

**Evaluation:**
Criteria include attendance, quality of comprehension, and clinical performance in patient care.

**Syllabus:**
Suggested Literature: *Handbook of Interventional Radiologic Procedures – Kandarpa*

**Visiting Students:**
No

**Special Instructions:**
N/A

---

<table>
<thead>
<tr>
<th>Radiology</th>
<th>MEL 7710 Musculoskeletal Imaging</th>
<th>MCAH 2-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>2,4</th>
<th>Prakash, Neel</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**
Destiny McArthur  
Medical Education Coordinator  
dmcarthur@health.usf.edu

**Report to:**
Will be provided one week prior to the start of the rotation

**Description:**
This elective is designed to introduce senior students to the practice of musculoskeletal imaging, including musculoskeletal imaging lectures and conferences at USF, Tampa General Hospital, and the H. Lee Moffitt Cancer Center.

**Objectives:**
On this elective, the senior medical student will obtain:

---
1. An understanding of the indications for advanced musculoskeletal imaging (ultrasound, CT, arthrography, and MRI)

2. A fundamental understanding of basic musculoskeletal imaging with respect to pertinent normal anatomy in a musculoskeletal radiograph

3. The ability to categorize and organize subdivisions of musculoskeletal imaging such as rheumatology, neoplasm, infection, etc.

4. The ability to discuss the most common musculoskeletal pathologic entities

5. A basic understanding of technique and indications for arthrography, bone biopsy, and other invasive procedures

**Rotation Activities:**

- Review musculoskeletal imaging studies with musculoskeletal imaging faculty.

**Patient Encounters:**

- The student will work closely with the attending musculoskeletal radiologists and housestaff.

**Syllabus:**

**Visiting Students:**

- Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

N/A

---

**Radiology** | **MEL 8704 Diagnostic Radiology** | **TGH** | **Yr 4 Status** | **7** | **5** | **40-44** | **4** | **Hazelton, Todd** | **Clinical**
---|---|---|---|---|---|---|---|---|---

**Contact:**

Medical Education Coordinator
dmcarthur@health.usf.edu

**Report:**

Provided one week prior to the start of the rotation

**Description:**

This elective is designed to provide an introduction to diagnostic radiology for medical students to develop basic understanding of diagnostic imaging. Students will spend three weeks at Tampa General Hospital and one week at the Morsani Center for Advanced Healthcare on the USF campus.

**Objectives:**

...
1. Students will develop a basic understanding of radiation safety and the risks of radiation exposure. They will learn about the proper use of protective equipment and radiation dosage limits.

2. Students should be able to choose the radiologic test that is most appropriate for the most common clinical presentations encountered in medical practice.

3. Regardless of their planned specialty, students should be able to recognize the following clinical conditions on appropriate imaging studies: increased intracranial pressure, space occupying lesions, bone, fracture, elbow joint effusion, and shoulder dislocation.

Rotation Activities:

The student will rotate through the following subspecialty areas of diagnostic radiology: body imaging, interventional radiology, cardiac imaging, and neuroradiology. A final exam will be given at the end of the elective.

Patient Encounters:

Evaluation:

The student will work closely with attending diagnostic radiologists and housestaff who will provide assessment of their performance. Both written questions and images will cover the reading assignments, didactic lectures, and important imaging diagnoses.

The final exam is given on the last day of the elective on the Tampa campus in the testing center.

Syllabus:

Will be posted on Canvas.

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

All rescheduled final exams are only given on one universal date in April.

Radiology

MEL 8704 Diagnostic Radiology

LVH-CC 1 -11 Yr 4 Status 2 0 40-44 2,4 Kowal, Alexander Clinical

Contact:

Cody Donchez
Administrative Secretary
Radiology Administration
Cody_A.Donchez@lvhn.org
(610) 402-8088

Report to:

Cody Donchez, Radiology Administrative Office LVH-Cedar Crest

Description:

This elective is designed to maximize the opportunity for a medical student to work closely on a one to one basis with attending diagnostic radiologists and housestaff throughout the day. The student can also choose to spend more time in a particular area of interest if requested.
Objectives:

1. Students will develop an appreciation of the broad services a modern diagnostic radiology department provides, including all of the major modalities (radiography, CT, MR, US, nuclear medicine) and dedicated imaging of pediatric patients.

2. Students will be introduced to the concept of Appropriateness Criteria (as developed by the ACR) so that they may choose appropriate imaging examinations in the future, no matter what medical specialty they choose.

3. Students can expect to observe and be taught to recognize common and life-threatening conditions including tube and bowel obstruction, fractures, dislocations, bowel wall thickening, abdominal masses, intracranial hemorrhage and stroke.

Rotation Activities:

The student will rotate through the following subspecialty areas of diagnostic radiology: plain film, fluoroscopy, body imaging, and interventional radiology. Students should also feel more comfortable identifying which examination is appropriate for a given clinical situation.

Patient Encounters:

Students will be evaluated based on feedback from the various attending radiologists who have interaction with them.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Contact:

Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Report to:

Will be provided one week prior to the start of the rotation

Description:

This elective is designed to introduce senior students to the practice of cardiac and pulmonary imaging, including the role of imaging and diagnostic procedures in disorders of the heart, mediastinum, pleura, airways and lungs.

Objectives:

1. An understanding of the indications for advanced cardiothoracic imaging (HRCT of the lung, CTA of the heart and lungs, and cardiovascular MRI)

2. A fundamental understanding of basic cardiothoracic imaging with respect to pertinent normal anatomy on cross-sectional imaging

3. The ability to discuss the most common pathologic entities of the chest

4. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures
### Rotation Activities:
The student will review cardiothoracic imaging studies with faculty and diagnostic radiology housestaff at Tampa General to gain understanding of imaging diagnosis of chest diseases on radiography, computed tomography, and magnetic resonance imaging.

### Patient Encounters:
Evaluations: The student will work closely with the attending radiologists and housestaff who will provide the assessment of performance based on attendance, participation and written evaluation.

### Syllabus:

#### Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

#### Special Instructions:
N/A

---

<table>
<thead>
<tr>
<th>Radiology</th>
<th>MEL 8711 Body Imaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCC</td>
<td>2-11</td>
</tr>
<tr>
<td>Yr 4 Status</td>
<td>1 0 40 4</td>
</tr>
<tr>
<td>Lam, Cesar</td>
<td>Clinical</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Radiology</th>
<th>MEL 8711 Body Imaging</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCC</td>
<td>2-11</td>
</tr>
<tr>
<td>Yr 4 Status</td>
<td>1 0 40 4</td>
</tr>
<tr>
<td>Lam, Cesar</td>
<td>Clinical</td>
</tr>
</tbody>
</table>

---

### Description:
This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. The student will learn about the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis.

### Objectives:
1. A basic technical understanding of ultrasound, CT, and MRI
2. An understanding of the indications for ultrasound as well as body CT and MRI
3. A fundamental understanding of basic body imaging with respect to pertinent normal anatomy
4. The ability to discuss the most common pathologic entities of the abdomen and pelvis
5. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures

### Syllabus:

#### Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

#### Special Instructions:
N/A

---

### Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

### Report to:
Will be provided one week prior to the start of the rotation

### Description:
This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. The student will learn about the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis.

### Objectives:
1. A basic technical understanding of ultrasound, CT, and MRI
2. An understanding of the indications for ultrasound as well as body CT and MRI
3. A fundamental understanding of basic body imaging with respect to pertinent normal anatomy
4. The ability to discuss the most common pathologic entities of the abdomen and pelvis
5. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures

---

### Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

### Report to:
Will be provided one week prior to the start of the rotation

### Description:
This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. The student will learn about the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis.

### Objectives:
1. A basic technical understanding of ultrasound, CT, and MRI
2. An understanding of the indications for ultrasound as well as body CT and MRI
3. A fundamental understanding of basic body imaging with respect to pertinent normal anatomy
4. The ability to discuss the most common pathologic entities of the abdomen and pelvis
5. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures

---

### Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

### Report to:
Will be provided one week prior to the start of the rotation

### Description:
This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. The student will learn about the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis.

### Objectives:
1. A basic technical understanding of ultrasound, CT, and MRI
2. An understanding of the indications for ultrasound as well as body CT and MRI
3. A fundamental understanding of basic body imaging with respect to pertinent normal anatomy
4. The ability to discuss the most common pathologic entities of the abdomen and pelvis
5. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures
Patient Encounters:

The student will work closely with the attending radiologists and housestaff who will provide the assessment of performance based on attendance, participation, and written evaluation.

Syllabus:

Visiting Students:

No

Special Instructions:

Students must enroll at least 60 days prior to the start of the rotation for IT security purposes.

Contact:

Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Report to:

Will be provided one week prior to the start of the rotation

Description:

This elective is designed to introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. It is intended to provide a fundamental understanding of basic body imaging with respect to pertinent normal anatomy, as well as the most common pathologic entities of the abdomen and pelvis.

Objectives:

1. A basic technical understanding of ultrasound, CT, and MRI
2. An understanding of the indications for ultrasound as well as body CT and MRI
3. A fundamental understanding of basic body imaging with respect to pertinent normal anatomy
4. The ability to discuss the most common pathologic entities of the abdomen and pelvis
5. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures

Rotation Activities:

The student will review body imaging studies with faculty and diagnostic radiology housestaff.

Patient Encounters:

The student will work closely with the attending radiologists and housestaff who will provide the assessment of performance based on attendance, participation, and written evaluation.
### Syllabus:

#### Visiting Students:
Applying students must apply via USF Health Morsani College of Medicine on VSAS.

#### Special Instructions:
N/A

---

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Tutorial Type</th>
<th>Yr 4 Status</th>
<th>No Limit</th>
<th>44</th>
<th>4</th>
<th>Faculty</th>
<th>Externship</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEL 7320R Extenship - Radiology</td>
<td>EXT</td>
<td>1 - 7</td>
<td>Status</td>
<td>No Limit</td>
<td>0</td>
<td>44</td>
<td>4</td>
<td>Faculty</td>
</tr>
<tr>
<td>MEL 9999R Indep Study - Radiology</td>
<td>USFMS</td>
<td>1 - 11</td>
<td>Status</td>
<td>No Limit</td>
<td>0</td>
<td>40</td>
<td>2.4</td>
<td>Faculty</td>
</tr>
<tr>
<td>MDE 8605 Vascular Surgery Elective</td>
<td>LVH-CC</td>
<td>1 - 11</td>
<td>Status</td>
<td>1</td>
<td>0</td>
<td>60-70</td>
<td>4</td>
<td>Guzzo, James</td>
</tr>
</tbody>
</table>

---

Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to: Will be provided one week prior to the start of the rotation

Description: Students will participate in the preoperative, intraoperative and postoperative care of patients. Interpretation will be given. Focus will be on the preoperative assessment and decision for operative intervention.

Objectives:
1. Describe a variety of noninvasive vascular diagnosis
2. Interpret physiologic data relative to angiographic findings and clinical symptoms
3. Compare operative and non-operative therapy for a wide variety of arterial and venous disease...
**Rotation Activities:**

The student is expected to function on a team with residents and attending surgeons. This service generates an active role in patient care, teaching, and research. A basic understanding of cardiac anatomy and physiology is imperative. The student will become familiar with work in the Non-Invasive Vascular Laboratory and Interventional Radiology.

**Patient Encounters:**

**Evaluation:**

Students will be evaluated based on their ward performance and oral examination.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

---

**Surgery**

MDE 8632 Cardiotoracic Surgery

LVH-CC 1 -11 Yr 4 Status 1 0 60-70 4 Misselbeck, Tim Clinical

---

**Contact:**

Joseph Stirparo, MD

Joseph_j.stirparo@lvhn.org

(610) 402-1350

**Report to:**

Will be provided one week prior to the start of the rotation

**Description:**

Students will participate in the preoperative, intraoperative and postoperative care of this patient base. A basic understanding of cardiac anatomy and physiology is imperative. The student will become familiar with work in the Non-Invasive Vascular Laboratory and Interventional Radiology.

**Objectives:**

1. Participate in pre-operative evaluation of the patient
2. Participate in the post-operative management of the patient
3. Assist with designated procedures in the operative suite

---

**Rotation Activities:**

Students will participate in pre-operative evaluation, assist at surgery and procedures and be involved in post-operative patient care.

**Patient Encounters:**

**Evaluation:**

Students will be evaluated based on their ward performance.

**Syllabus:**
Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
Students will discuss personal goals with chair prior to start of rotation.

Surgery

<table>
<thead>
<tr>
<th></th>
<th>MDE 8660 Plastic Surg Elective</th>
<th>LVH-CC  1-11</th>
<th>Yr 4 Status 1 0 60-70</th>
<th>2.4</th>
<th>Stirparo, Joseph</th>
</tr>
</thead>
</table>

Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to:
Will be provided one week prior to the start of the rotation

Description:
The service is oriented to trauma, facial, hand, cancer and cleft-palate surgery as well as reconstructive and cosmetic surgery. The student will work with attending surgeons and plastic surgery residents.

Objectives:
1. Develop an understanding of the varied areas of plastic surgery
2. Participate in the evaluation of plastic surgery patients
3. Participate in the treatment of plastic surgery patients
4. Describe basic plastic surgery principles such as flaps, v-y advancement, etc.

Rotation Activities:
Students will participate in the preoperative, intraoperative and postoperative care of patients with varied pathophysiology and a variety of surgical procedures and disease states. Additional experiences are available in the regional burn center.

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.
Surgery

Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to: Will be provided one week prior to the start of the rotation

Description: The student will participate in a busy service with colon-rectal surgery residents. This rotation addresses common colorectal surgery and the evaluation and care of colon and rectal disorders arising from systemic disease.

Objectives:
1. Develop an understanding of the pathophysiology of common colorectal diseases
2. Create a differential diagnosis of colorectal disorders
3. Describe treatment and surgical options for colorectal disorders
4. Observe or participate in colorectal procedures and colonoscopies
5. Identify the relation of such disorders to systemic disease

Rotation Activities:
Students will participate in the outpatient, inpatient and surgical services provided by colorectal surgery. An emphasis will be placed on preoperative evaluation and operative decision making. Outpatient surgeries are performed at 17th street.

Patient Encounters:

Evaluations will be evaluated based on their ward performance.

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions: N/A
<table>
<thead>
<tr>
<th>Surgery</th>
<th>MDT 8600 Adv Surg Anat/Pathophysiology</th>
<th>USFMS</th>
<th>2</th>
<th>Yr 4 Status</th>
<th>16</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Sanchez, Jaime</th>
<th>Basic Science</th>
</tr>
</thead>
</table>

Contact: Margaret Child  
mchild@health.usf.edu

Report to: Provided one week prior to the start of the rotation

Description: This course is specifically designed to prepare students for surgical internship with a focus on the basic principles of surgical disease processes and postoperative physiology. The course will focus on the basic sciences of anatomy, physiology, and basic science principles. It will consist of case-based didactics focusing on current understanding of surgical disease processes and patient care. Anatomic dissections will be performed at the medical school gross anatomy lab.

Objectives: At the completion of the elective, students should be able to:

1. Identify general surgical anatomy as it relates to surgical disease processes and common operations using models and anatomic dissection.
2. Have an advanced understanding of the etiology, anatomic pathology, and physiology of common surgical diseases.
3. Have an advanced understanding of the postoperative physiologic state.
4. Be able to recognize and understand the treatment of immediate life threatening conditions in the post-operative patient.
5. Be able to recognize and treat common physiologic derangements and basic complications.

Rotation Activities:
- Didactics in AM, Anatomy lab in PM

Patient Encounters:

Evaluation: Students must successfully complete each component of the course in order to receive a passing grade. The evaluation will consist of:

- Laboratory - 60%
- Weekly Quizzes - 20%
- Post test - 20%
- Total - 100%

Syllabus:

Visiting Students: No
<table>
<thead>
<tr>
<th>Surgery</th>
<th>MDT 8600B Intro to Surg Subspecialties</th>
<th>TGH</th>
<th>1-12</th>
<th>None, Yr 3 only</th>
<th>3</th>
<th>0</th>
<th>70-80</th>
<th>2</th>
<th>Sanchez, Jaime</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**

mmchild@health.usf.edu

**Report to:**

Will be provided one week prior to the start of the rotation

**Description:**

This elective provides the student the opportunity to participate in hands-on care of surgical patients during rounds, in the operating room, and at the clinic. In addition, participation in conferences, didactic lectures and other teaching opportunities will be available.

**Objectives:**

To give third year medical students exposure to surgical subspecialties they might not experience elsewhere.

**Rotation Activities:**

Operating room, clinic, and rounds

**Patient Encounters:**

**Evaluation:**

Evaluation will be based on clinical performance based by direct observation.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

<table>
<thead>
<tr>
<th>Surgery</th>
<th>Plastics</th>
<th>MDI 8660 Plastic Surg Acting Internship</th>
<th>TGH /MCC</th>
<th>1-11</th>
<th>Yr 4 Status</th>
<th>4</th>
<th>0</th>
<th>60-70</th>
<th>4</th>
<th>Harrington, Michael</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Surgery**

**Plastics**

MDI 8660 Plastic Surg Acting Internship

Click here for additional course information.
Contact: Hailee Hall
USF Plastic Surgery Residency Coordinator
haileehall@health.usf.edu

Report to: Michael Harrington, MD
Plastic Surgery Department

Description: This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients. Students will work closely with both plastic surgery residents and attending physicians in the operating room. Students also participate in the outpatient follow-up care of the patients. No night call is required.

Objectives: Exposure to General Plastic Surgery, Cancer Reconstruction, Trauma, and Burn Care.

Rotation Activities:
- Operating Room and Clinics

Patient Encounters:

Evaluation: Evaluation will be completed by direct observation. There will be no examination.

Syllabus:

Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A
Report to:
Will be provided one week prior to the start of the rotation.

Description:
This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients. Students will participate in the preoperative, intraoperative and postoperative care of patients with pathophysiology ranging from primary plastic surgery procedures to trauma and other complex reconstructive or plastic surgery with the residents and faculty at LVHN Cedar Crest. Students will also see patients with acute GI bleeding. In addition students will participate in the care of patients that have blunt and penetrating trauma.

Objectives:
1. Develop an understanding of the varied areas of plastic surgery.
2. Participate in the evaluation of plastic surgery patients
3. Participate in the treatment of plastic surgery patients
4. Describe basic plastic surgery principles such as flaps, v-y advancement, etc.

Rotation Activities:
Students will participate in the preoperative, intraoperative and postoperative care of patients with pathophysiology ranging from primary plastic surgery procedures to trauma and other complex reconstructive or plastic surgery with the residents and faculty at LVHN Cedar Crest. Additional experiences are available in the regional burn center.

Patient Encounters:

Evaluation:
Evaluation will be completed by direct observation. There will be no examination.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

Surgery
MEL 7805
Trauma Surgery AI
LVHC
CC
1-11
Yr 4
Status
1
0
60-70
4
Stirparo, Joseph
Clinical

Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350
Objectives:

1. Obtain a basic understanding of ATLS
2. Obtain a basic understanding of FAST
3. Identify life threatening acute traumatic injuries
4. Understand the psychosocial impact of traumatic injuries
5. Obtain a basic understanding of the pharmacology of pain management and its importance

Rotation Activities:

As a member of the trauma team, students will participate in all endeavors and become conversant in the initial, critical care and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.

Patient Encounters:

Students will be evaluated based on their clinical performance.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

Contact:
Margaret Child
mmchild@health.usf.edu

Report to:
Will be provided one week prior to the start of the rotation

Description:
Students electing this course will work with the residents and faculty in the Division of Trauma. In addition to the exposure to the role of a surgical intern, students will also work with the residents and faculty in the Division of Trauma. In addition to the exposure to the role of a surgical intern, students will also work with the residents and faculty in the Division of Trauma.

Objectives:

1. To expose the senior student to the role of a surgical intern
2. Afford the student an in-depth experience in total patient management so these responsibilities may be assumed with confidence in the internship year

Rotation Activities:

As a member of the trauma team, students will participate in all endeavors and become conversant in the initial, critical care and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.
Patient Encounters:

Students will be evaluated based on their clinical performance.

Syllabus:

Visiting Students:
Apply via
USF Health Morsani College of Medicine
on VSAS.

Special Instructions:

Surgery
MEL 7815
Advanced Surgical Skills

LVH-CC 9 Yr 4 Status 15 0 40 4 Stirparo, Joseph

Clinical

Contact:
Joseph Stirparo MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to:
Lehigh Valley Hospital – Cedar Crest – Surgical Simulation Center

Description:
This intensive elective is designed for the fourth year medical students who has a desire to enhance their surgical skills.

Objectives:
1. Complete common surgical procedures using simulators and prosections
2. Develop an advanced understanding of the etiology, pathogenesis and diagnostic studies used to diagnose and treat surgical diseases
3. Develop an advanced understanding of surgical treatment options and alternatives for surgical diseases
4. Be able to recognize and treat immediate life threatening conditions
5. Improve their ability to treat and relieve pain and suffering

Rotation Activities:
This course is designed to prepare students for entering first year clinical experiences in surgical fields. Students will participate in a variety of procedures. Simulation activities include suture and knot tying, basic laparoscopy, emergent bedside procedures.

Patient Encounters:
Evaluation: Students will be evaluated based on their clinical performance and 1-2 oral presentations.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Surgery</th>
<th>MEL 7815</th>
<th>USFMS 9</th>
<th>Yr 4 Status</th>
<th>15 0 40 4</th>
<th>Sanchez, Jaime</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Margaret Child

mmchild@health.usf.edu

Report to: Provided one week prior to the start of the rotation

Description: A one-month intensive intern boot camp course designed to prepare students entering a surgical residency or fellowship program for the patient care environment. Emphasis is placed on preparing students for the important tasks of managing the surgical patient both on the floor and in the ICU, as well as an introduction to the operating room.

Objectives:

1. Complete common surgical procedures using simulators and prosections
2. Develop an advanced understanding of the etiology, pathogenesis and diagnostic studies used to diagnose and treat surgical diseases
3. Develop an advanced understanding of surgical treatment options and alternatives for surgical diseases
4. Be able to recognize and treat immediate life threatening conditions
5. Improve their ability to treat and relieve pain and suffering

Rotation Activities:

Didactics and simulation sessions at CAMLS

Patient Encounters:

Evaluation: Students will be evaluated based on laboratory performance, a final simulation exam, and attendance. Students will complete a reflective assignment and present to the Surgical Skills course to identify areas for improvement. At the end of the rotation, a summative evaluation will be submitted with each student's grade.
Visiting Students: No
Special Instructions: N/A

<table>
<thead>
<tr>
<th>Surgery</th>
<th>MEL 7819 Surgical Transplant Elective</th>
<th>TGH</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>60-70</th>
<th>4</th>
<th>Bowers, Victor</th>
<th>Clinical</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contact: Margaret Child
mmchild@health.usf.edu

Report to: will be provided one week prior to the start of the rotation

Description: This elective is designed to offer students active participation in organ procurement, preservation of kidneys and livers, and an understanding of the role of organ sharing networks.

Objectives: Students will receive an overview of all aspects involved in liver and renal transplantation, including...

Rotation Activities: Students will work under the direct supervision of the Director of Transplant Surgery, LifeLink Transplantation...

Patient Encounters: Students will be directly involved with the evaluation and work up of possible renal and liver transplant recipients...

Evaluation: Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students: No
Special Instructions: N/A
**Description:**
This elective is designed to offer students active participation in organ procurement, the harvesting and preservation of kidneys and livers, and an understanding of the role of the organ sharing networks.

**Objectives:**
Students will receive an overview of all aspects involved in liver and renal transplantation, from donor identification through clinical transplantation and long term follow up.

**Rotation Activities:**
Students will work under the direct supervision of the Director of Transplant Surgery, LifeLink Transplantation.

**Patient Encounters:**
Students will be directly involved with the evaluation and work up of possible renal and liver patients, which includes the identification, management and treatment of infections, and rejection complications.

**Evaluation:**
Students will be evaluated based on their ward performance.

**Syllabus:**

**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:**

<table>
<thead>
<tr>
<th>Surgery</th>
<th>MEL 7827</th>
<th>LVH-CC</th>
<th>1-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>60-70</th>
<th>4</th>
<th>Stirparo, Joseph</th>
</tr>
</thead>
</table>

**Contact:**
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to: will be provided one week prior to the start of the rotation
Report to: Will be provided one week prior to the start of the rotation

Description: A clinical rotation that includes graded responsibility, as well as regular formal instruction, courses, and conferences. The student will be assigned primarily to the unit at LVHN-Cedar Crest with the possibility of occasional visits to other sites.

Objectives:
1. Describe common surgical complications, preoperative preparation of the complex surgical patient, and practical application of hemodynamic monitoring
2. Analyze the acute phase response patients undergo with respect to their disease processes
3. Examine pulmonary artery catheterization, placement of central venous catheters, and modalities of parenteral and enteral nutrition

Rotation Activities: In an assisting a dedicated team provide surgical critical care to patients with critical illnesses. Focus on the basic principles of critical care including sedation, pain control, ventilator management and management of shock states.

Patient Encounters:

Evaluation: Students will be evaluated based on their clinical performance.

Syllabus:

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions: N/A

---

<table>
<thead>
<tr>
<th>Surgery</th>
<th>Vascular</th>
<th>MEL 7828 Vascular Surgery AI</th>
<th>TGH</th>
<th>Yr 4 Status</th>
<th>Status</th>
<th>60-70</th>
<th>4</th>
<th>Ottinger, Mary</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Hailee Hall
haileehall@health.usf.edu

Contact: Mary Ottinger
mottinger@health.usf.edu

Description: Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the Vascular Surgery team at the University of Florida Health Jacksonville. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.
Objectives:

This rotation should provide the student with a broad exposure to clinical presentation, diagnostic evaluation, and operative and non-operative therapy for a wide variety of arterial and venous diseases.

Rotation Activities:

Operating room and clinics

Patient Encounters:

Students will be evaluated based on their ward performance and oral examination.

Syllabus:

Visiting Students:

Yes.

Apply via

USF Health Morsani College of Medicine

on VSAS.

Special Instructions:

N/A

Contact:

Joseph Stirparo, MD

Joseph_j.stirparo@lvhn.org

(610) 402-1350

Report to:

Will be provided one week prior to the start of the rotation

Description:

Students will participate in the preoperative, intraoperative and postoperative care of patients with vascular disease. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized. Focus will be on the preoperative assessment and decision for operative intervention.

<table>
<thead>
<tr>
<th>Surgery</th>
<th>MEL 7828 Vascul Ar Surgery AI</th>
<th>LVH-CC 1-11</th>
<th>Yr 4 Status</th>
<th>1 0 60-70</th>
<th>4</th>
<th>Guzzo, James</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact</td>
<td>Joseph Stirparo, MD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><a href="mailto:Joseph_j.stirparo@lvhn.org">Joseph_j.stirparo@lvhn.org</a></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(610) 402-1350</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Objectives:

This rotation should provide the student with a broad exposure to clinical presentation, diagnostic evaluation, and operative and non-operative therapy for a wide variety of arterial and venous diseases.

Rotation Activities:

Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the attending and residents.

Patient Encounters:

Students will be evaluated based on their ward performance and oral examination.
Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

---

**Surgery**

**MDR 8605**

**Vascular Surgery Research**

Click here for additional course information

---

**Contact:**

Hailee Carroll

haileecarroll@health.usf.edu

---

**Report to:**

Dr. Murray Shames

mshames@health.usf.edu

---

**Description:**

This elective is designed to allow students an exposure to research in vascular diagnosis and fundamental problems in vascular disease.

**Objectives:**

Exposure to vascular diagnosis and research on fundamental problems in vascular disease.

**Rotation Activities:**

Rotations provide the student with an opportunity to have hands-on experience with instrumentation that map arterial anatomy and perform essential vascular procedures.

**Patient Encounters:**

**Evaluation:**

Students will be evaluated based on their laboratory performance and an oral presentation at the Vascular Surgery Conference.

---

**Contact:**

Hailee Carroll

haileecarroll@health.usf.edu

---

**Report to:**

Dr. Murray Shames

mshames@health.usf.edu

---

**Description:**

This elective is designed to allow students an exposure to research in vascular diagnosis and fundamental problems in vascular disease.

**Objectives:**

Exposure to vascular diagnosis and research on fundamental problems in vascular disease.

**Rotation Activities:**

Rotations provide the student with an opportunity to have hands-on experience with instrumentation that map arterial anatomy and perform essential vascular procedures.

**Patient Encounters:**

**Evaluation:**

Students will be evaluated based on their laboratory performance and an oral presentation at the Vascular Surgery Conference.
**Description:**

This clinical elective affords the students an in-depth experience in total patient management as an acting intern on a general surgery service. The student is expected to function as an intern. Responsibility will vary with the ability of each student.

**Objectives:**

1. To expose the senior student to the role of a surgical intern
2. To afford the student an in-depth experience in total patient management so these responsibilities may be assumed with confidence in the internship year

**Rotation Activities:**

Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will also have a chance to participate in consultations, surgical procedures, and patient care. This includes line placement, chest tube placement, etc., with appropriate supervision. Operating room experience will also be extensive.

**Patient Encounters:**

Students will be evaluated based on their ward performance.

**Syllabus:**

**Visiting Students:**

Yes. Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

N/A
Description: This clinical elective affords the students an in-depth experience in total patient management as an acting intern on a surgical service. The student is expected to function as an intern. Responsibility will vary with the ability of each student.

Objectives:
1. To expose the senior student to the role of a surgical intern
2. To afford the student an in-depth experience in total patient management so these responsibilities may be assumed with confidence in the internship year.

Rotation Activities:
Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will participate in patient management, surgery, surgery line placement, chest tube placement, etc with appropriate supervision. Operating room experience will also be extensive.

Patient Encounters:
Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Surgery MDI 8600 Gen Surg Acting Internship
LVH-CC 1-11 Yr 4 Status 2 0 70 4 Stirparo, Joseph
Clinical

Contact: Margaret Child
mmchild@health.usf.edu
Report to: provided one week prior to the start of the rotation

Contact: Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350
Report to: provided one week prior to the start of the rotation
Students may choose to participate on several services. On these services, the student is expected to function in a basic understanding of the pathophysiology and treatment of general surgery conditions including hernia, gallbladder, and appendix.

1. Obtain a basic understanding of the pathophysiology and treatment of general surgery conditions including hernia, gallbladder, and appendix.

2. Refine basic technical skills including suturing and knot tying.

3. Identify postoperative complications in common surgical procedures.

4. Understand the pharmacology of basic medications for pain control.

Rotation activities will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences.

Patient Encounters:

Evaluations will be evaluated based on their ward performance.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

Joseph Stirparo, MD

LVH-CC

1 - 11 Yr 4 Status No Limit 0 50-70 2,4 Baccalaureate, Angelo

Clinical
Description:
The Department of Urology provides comprehensive, urologic patient-oriented care with concern for quality of life and state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for practice in other areas and to offer closer acquaintance with this field for those considering it for possible future specialization.

Objectives:
The objectives of this rotation are to provide exposure to the field of Urology as a background for practice in other areas and to offer closer acquaintance with this field for those considering it for possible future specialization.

Rotation Activities:
Students will participate in the pre-operative work-up of urological patients. Students will learn from attending faculty and will present a case to the weekly conference for urology residents and faculty during the last week of the rotation.

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance and oral examination.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Urology</th>
<th>MEL 7822 Clinical Urology AI</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGH/MCC/VA</td>
<td>1 - 6 Yr 4 Status 5 0 50-70 4 Patel, Trushar</td>
</tr>
</tbody>
</table>

Contact:
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to:
Will be provided one week prior to the start of the rotation.

Dr. Justin Parker
jparker1@health.usf.edu

TGH/MCC/VA
1 - 6 Yr 4 Status 5 0 50-70 4 Patel, Trushar

Additional course information

Laura Cessna
lcessna1@health.usf.edu

Clinical
The elective is an introduction to basic urology with emphasis on clinical service designed to th
year medical students. During the rotation students will be supervised and instructed on a or.

Objectives:

The objectives of this rotation are to provide exposure to the field of Urology as a background.

Rotation Activities:

Students will participate in the faculty clinics and pre-operative work-up of urological patient.

Patient Encounters:

Students will be evaluated based on their ward performance and oral examination.

Syllabus:

Visiting Students:
Apply via
USF Health Morsani College of Medicine
on VSAS.

Special Instructions: