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.
   - 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.


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>
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<tbody>
<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Y</td>
<td>USFMS</td>
<td>8/3</td>
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<td>8/6</td>
<td>0/0</td>
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<td>8/5</td>
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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>
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<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>2/0</td>
<td>2/0</td>
<td>2/0</td>
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<td></td>
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<tr>
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<td>xxxx</td>
<td>Elective Z</td>
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<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
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<td>2/0</td>
<td>2/1</td>
<td>2/0</td>
<td>0/0</td>
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<tr>
<td>4 WEEK PERIOD</td>
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<td>Elective Z</td>
<td>TGH</td>
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<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
<td>2/0</td>
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</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
**Course Title:** Advanced Anatomy

**Course Description:**
Advanced anatomy is an elective course designed to provide prospective students with an opportunity to review anatomical and pathological processes, with an emphasis on 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.
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:**
- N/A

**Patient Encounters:**
- N/A

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

**Syllabus:**
Elective Syllabus 8187.pdf

**Visiting Students:**
- No

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

<table>
<thead>
<tr>
<th>Anatomical Region</th>
<th>MDE 8521</th>
<th>USFMS 1, 3 - 11</th>
<th>None</th>
<th>No Limit</th>
<th>6</th>
<th>40</th>
<th>2</th>
<th>Bharadwaj, Srinivas</th>
<th>Basic Science</th>
</tr>
</thead>
</table>
Description: Applied Head and Neck Anatomy is an elective course designed to provide prospective students with an opportunity to study in a hands-on setting the normal and abnormal gross anatomy of the head and neck. The course is focused on the understanding of the head and neck system and its correlation to surgical and non-surgical fields. All relevant organs and major structures will be covered in depth.

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 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 on campus.
| Anatomical | MDE 8522  
Applied Anatomy of the MSK System | USFMS | 1, 3 - 11 | None | No Limit | 6 | 40 | 2 | Bharadwaj, Srinivas | Basic Science |
|------------|-----------------------------------|--------|----------|--------|----------|----|----|----|-----------------|--------------|

**Contact:**

Contact Dr. Hector Lopez-Cardona at lopezh@health.usf.edu

Report to Dr. Bharadwaj at snagaraj@health.usf.edu

**Description:**
Applied Anatomy of Musculoskeletal System is an elective course designed to provide prospective students with an understanding 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 fields.
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 practical dissection.
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:**

Elective Syllabus MDE 8522.pdf

**Visiting Students:**

No Limit
### Anat

<table>
<thead>
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<th>Type</th>
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<th>Ends</th>
<th>Limit</th>
<th>Yr</th>
<th>Credit</th>
<th>Instructor</th>
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### Anesth

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<th>Yr</th>
<th>Credit</th>
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<td>Schwann, Nan</td>
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### 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 and related fields. This includes 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 procedures. The students will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

### Patient Encounters
Preoperative / Intraoperative Patients - Multiple

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

### Syllabus:

### Contact:
Nan.Schwann@lvhn.org
(484) 866-9581

### Report To:
CC OR – Anesthesia work room

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

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<th>Course</th>
<th>Type</th>
<th>Starts</th>
<th>Ends</th>
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<td>4</td>
<td>Evans, Raymond</td>
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Clinical
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. The course 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 procedures. They 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>
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<th>Anesth MDE 8700</th>
<th>T-VAH</th>
<th>1 - 11</th>
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<th>0</th>
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<th>Lee, Leland</th>
<th>Clinical</th>
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</thead>
</table>

Contact: Thomas Finney
Thomas.Finney@moffitt.org
Dr. Raymond Evans
Raymond.Evans@moffitt.org

Report to: Second Floor MCB Anesthesia Department
12902 Magnolia Dr., Tampa, FL 33612
Description is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine.

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

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

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

Evaluation: Oral, 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
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 tachycardia, and pericarditis.
4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythmias such as atrial fibrillation, ventricular tachycardia, and left bundle branch block.
5. Infer heart size, presence of cephalization, infiltrate, pleural effusions, and pneumothorax from chest X-ray images.
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 related to patient care.
10. Explain the principles of primary, secondary prevention and risk modification.
11. Summarize the indications and diagnostic yield of various cardiac studies and therapeutics.

Rotation Activities:
Students will participate in the evaluation of patients and will assist with the integration of the general medical data and cardiology data.
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:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
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 are designed to enhance critical thinking in cardiovascular medicine. Students will work with consultants to review and construct comprehensive cardiovascular profiles of patients referred to the consultative service.

At the completion of the rotation it shall be expected that a face to face “360” between learner and teacher(s) will be performed to discuss the goals set at the beginning of the rotation, the progress made towards those goals and objectives have been realized and deficiencies identified, so that future learner plans may be derived.

Objectives: Learners 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 distinguish 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, 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 be practiced in inpatient telemetry. 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:
Description: The Cardiology Consultative elective rotation is an experiential patient based rotation with integrative didactics that will focus on refining and expanding clinical knowledge that is relevant to concurrent patient management. Team science will be a coincidently experienced and learned.

At the completion of the rotation it shall be expected that a face to face “360” between learner and teacher(s) will be expected. There should be clear communication of goals and objectives that have been realized and deficiencies identified, so that future learner plans may be derived.

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 be practiced. 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:

<table>
<thead>
<tr>
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<th>MDE 8224 Consultative Cardiology</th>
<th>T-VAH 1 - 11</th>
<th>Adult Med, Pri Care</th>
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<th>44</th>
<th>2,4</th>
<th>Leonelli, Fabio</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Twyla Sumpter
tsumpter@usf.edu

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

Visiting Students: No
Special Instructions: N/A
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

Cardiology

Acute Coronary Care

Click here for additional course information

Contact: Kelly Frenzi
(610) 402-3212

Report to: 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 history and 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 tamponade, basic murmurs of mitral and tricuspid regurgitation, and the presence or absence of peripheral vascular disease and abdominal aortic aneurysms.

4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythmias such as atrial flutter, 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 therapies.

Cardiology

MDE 8226

LVHN 1 - 11

Yr 4 Status 2 0 50 2,4

Jacobs, Larry

Clinical
Rotation Activities:

The students will participate in the evaluation of patients and will assist with the integration of the general medical patient care. They will work with the attending family practice and teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Patient Encounters:

Evaluation:

An attending physician will complete a written USF 4th year rotation evaluation.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Dermatology

Clinical Dermatology

MDE 8251

Click here for additional course information

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 understand and effectively communicate 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 be involved in hands-on learning opportunities to 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 syllabus will also describe 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

Derm MDE 8536 Elective in Dermatopathology

USFMS 8 - 11 Yr 4 Status 2 0 40-44 4

Rodriguez-Waitkus, Paul

Contact: 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 an overview of the major dermatologic diseases and will learn how to accurately describe and identify primary and secondary dermatologic lesions by microscopic examination. They will also learn to identify the most common inflammatory skin diseases and how to identify the major types of skin cancers by microscopic examination. 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:
- Evaluation: The student will be evaluated by the faculty & residents in dermatopathology.

Syllabus:
- Visiting Students: Yes.
  - 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:

**Objectives:**
- 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:**
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, along with references for textbooks, online and other pertinent dermatology information.

### Visiting Students:

No

### Special Instructions:

N/A

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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, student 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:

Evaluations: The students 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
Because of the wide array of patients and pathology, the rotation is an excellent introduction to acute care and primary care.

Objectives:
This rotation will enrich students' knowledge, help them develop history-taking ability, physical skill assessment, and problem-solving skills.

Rotation Activities:
This introduction to Emergency Medicine integrates clinical skills and evidence-based medicine through didactic lectures, 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.

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 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 problem-solving skills as well as help them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

Rotation Activities:
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.
Patient Encounters:

**Evaluation:** 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:

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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 teaching, clinical exposure, and supervised patient care. Students are 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 examination skills, diagnostic and therapeutic decision making, and research abilities, 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

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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 see a variety of patients to increase their comfort level without compromising patient care. Students should attempt to see a variety of chief complaints.

**Evaluation:**

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

**Syllabus:**

Will be provided in orientation email.

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

N/A

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**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:**

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

[Click here for additional course information](#)
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 team and progression to transformation for patients.

6. Understand treatment options for patients with opiate use disorders, including community programs and services.

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 management, family health, and patient education. Each student will identify individual learning goals and present either a topic or project to the team.

Patient Encounters:

Evaluation:

Students will work in close contact with the interdisciplinary team and participate in daily huddles. They will meet with patients, complete assigned readings, and engage respectfully with the team. Students 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.

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: Rural/underserved health elective in which a student will be matched with an attending physician for a specific time commitment. This is a rural/underserved health elective in which a student will be matched with an attending physician for a specific time commitment. 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. At certain locations opportunities are available for additional practice activities within the I. 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 underserved practice 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 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.
2. The student will accompany the clinic physician Monday through Friday at the designated clinic site
3. At certain locations opportunities are available for additional practice activities within the I.

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

contact@health.usf.edu
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 population. The student will 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 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
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. The rotation may involve a Saturday morning and extended hours, including working in the preceptor’s 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: 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, Suncoast Comprehensive Health Plan (Clearwater), Pinellas (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)
Description: This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved region. 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 morning session. 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
lgiodan@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: 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 HealthCare Center, Pinellas (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 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 community. Students will gain knowledge of the significant health needs and problems facing rural or underserved populations and be better prepared to care for this diverse population.

**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

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Click here for additional course information
5. Evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

Rotational 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 schedule. The student will see patients in the primary care clinic and at the 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 clinic (e.g., pharmacy, laboratory,-patient education).

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 County Health Department (Dunedin, Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto).

Family Med

MEL 7258 Elect in Rural Med or Underserved

CHCP 1 - 11 Yr 4 Status 1 0 40-44 2,4 Faculty at CHCP Clinical

Contact:

Linda Giordano
lgiodan@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: 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 area and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations. It is intended to prepare the student for 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, cost, and reimbursement

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, Monday morning clinic or an evening clinic). The student 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:
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 (Ruskin, Dover, Plant City), or Pinellas Community HealthCare Group (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)

Contact:
EXT 1 - 9 Yr 4 Status 4 0 45-50 4
Gonzalez, Eduardo Clinical
Report to:

Any interested student MUST meet with Dr. Gonzalez and/or Dr. Callegari prior to selecting the elective. Ideally, this should happen 2-3 months prior to selecting the elective to coordinate 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:

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
Gonzalez, Eduardo
Clinical

Contact:
Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996
Report to: Bayfront Medical Center

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 developing management plans, ordering appropriate tests and determining 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 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 to develop a patient care plan for patients requiring hospitalization. The student will be responsible for evaluating patients, assessing and ordering appropriate tests, and writing discharge plans. The student will also be responsible for managing patients’ medical problems throughout their hospital admission.

Patient Encounters:

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

Syllabus:

Visiting Students:
No

Special Instructions: Final arrangements concerning the course location/preceptor will be made by the Department of Family Medicine after the student is scheduled for the elective.

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<td><a href="mailto:Crystal.Walker@lvhn.org">Crystal.Walker@lvhn.org</a></td>
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</table>
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 in managing patients in a variety of inpatient and outpatient settings. Students will participate in a broad range of patient care experiences including the full spectrum of age groups, from newborn to geriatrics, while learning about an array of medical illnesses and preventative management.

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 communicate effectively with 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 common 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 attending physician.

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: Provided one week prior to the start of the rotation

Visiting Students:

Special Instructions:
- 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.
- Office-based AI
  - No prior approval required. Students will spend each day seeing patients and working closely with a faculty physician to learn skills and values of “Turtle Craft,” our relationship-centered approach to family medicine.
### 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 an understanding of admission indications and appropriate patient disposition.
3. Educate the student regarding common medical problems requiring hospital admission, including 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 the attending physician. Activities include managing patients, doing physicals, doing work-ups, following up on labs/consults/imaging, and doing discharge planning. Overnight call is to be determined by the site of the AI.

### Patient Encounters:

### Evaluation
- **Fund of 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](https://www.usf.edu/health/morsani).

### Special Instructions:
Final arrangements concerning the course location/preceptor will be made by the Department.
<table>
<thead>
<tr>
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<th>MDE 8585 Elective in Sports Medicine</th>
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<td>MCAH</td>
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<tr>
<td>Intro to Derm, Ortho, and Rheum</td>
<td>2</td>
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</tbody>
</table>

**Contact:** Giordano  
liordan@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 be able to recognize and assess musculoskeletal injuries in athletes as well as non-orthopedic medical problems of the athlete.

**Rotation Activities:** There will be an opportunity to work with athletic trainers, physical therapists and chiropractors. Students will also be expected to present a project in the area of sports medicine.

**Patient Encounters:**

**Evaluation:** 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 liordan@health.usf.edu prior to enrolling.
Contact: Giordano

lgiordan@health.usf.edu

(813) 974-1996

Reassigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies: Bayfront Medical Center, St. Petersburg; Mease Hospital, Clearwater; and Plant Mease Health Care, Clearwater. It 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:

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:

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.
**Description:** This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg, or 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:**

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

Report to: Assigned site

Note: This information is intended for educational purposes only and may not reflect current course information or offerings.
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.

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<tr>
<td></td>
<td><a href="mailto:lgiordan@health.usf.edu">lgiordan@health.usf.edu</a></td>
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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 Regional Medical Center, 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:

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:

No

Special Instructions:

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

<table>
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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; 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:

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:

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

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

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, Sarasota, Florida, and St. Joseph’s Medical Center, Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

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: Please contact the Department of Family Medicine before scheduling this elective. Contact Linda Giordano at lgiordan@health.usf.edu or (813) 974-1996.

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

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

Family Medicine
MEL 8255
Family Medicine Residency Elect
PMHC 1-11
Yr 4 Status 2 0 40-44 2,4 Faculty at Res Program Clinical

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

Reassigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies.

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

Objectives

Rotation Activities:

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; additional information will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-1996 or lgiordan@health.usf.edu.

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: This elective, students will spend each day seeing patients and working closely with the LVHN Family Medicine faculty and residents. Students will gain experience in diagnosis and management of common medical problems, learn about patient-centered care, and develop skills in communication and interpersonal relationships. Students will also have the opportunity to observe the implementation of our relationship-centered approach to family medicine, which 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 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:
The student will have primary responsibility for care of assigned patients while in the clinic and in the hospital. Students will participate in daily team meetings, have patient encounters, and attend educational sessions. Students will also be involved in teaching assistant activities. There is no call or nightfloat for this rotation unless requested by the student.

Patient Encounters:

Evaluation:
- 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: Provided one week prior to the start of the rotation.

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

Special Instructions: N/A

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<th>Family Med</th>
<th>MEL 8263 Public Sector Medicine</th>
<th>USFMS 1 - 5, 7 - 11</th>
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<th>Woodard, Laurie</th>
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</table>

Contact:
Description:
The elective is designed to introduce the student to unique characteristics of medical practice in an underserved community. It aims to provide a better understanding of providing care to a medically underserved population and the tremendous health needs that exist.

Objectives:
Students will receive a learning experience for students who have a demonstrated interest in the health care of underserved populations. They will be provided with opportunities to engage in patient care, public health initiatives, and community outreach activities.

Rotation Activities:
Students will attend all PSMP clinics and post conferences at Judeo Christian Health Clinic, t.

Patient Encounters:

Evaluations:
Students will be evaluated based on clinical skills, self-education/independent learning, understanding and implementing the objectives, including acknowledging social determinants of health, completing and writing requirements/projects and professionalism.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
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, nurses, etc.) and the relationship between them and the family physician.
5. Improve skills in patient education and communication.

Rotation Activities:
Included in Objectives

Patient Encounters:
Evaluations on competence, consideration of patients, and practical approach to problems.

Syllabus:

Visiting Students:
No

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

Family Med  MEL 8265 Family Medicine Preceptorship

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<th>MEL 8265 Family Medicine Preceptorship</th>
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<tr>
<td>CF 1 - 11 Yr 4 Status 1 0 44-50 2,4</td>
<td>Community Faculty</td>
</tr>
</tbody>
</table>

Contact: Giordano
igiordan@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 give them an opportunity to gain hands-on experience in managing a wide range of problems that are present in family practice.
3. Improve problem-solving skills

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

**Rotation Activities:**

**Patient Encounters:**

**Evaluation:**

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

**Syllabus:**

Visiting Students:

Special Instruction:

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

**Family Med**

**MEL 8272**

Women’s Health Elective

**MPMHC**

1 - 5, 10 - 11

Pri Care

0

50

2

Faculty at MPMHC

**Clinic:**

**Contact:** L. Giordano

lgiordan@health.usf.edu

(813) 974-1996

Report to 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:**

Take an active role in the assessment and management of patients in the hospital and office setting.

**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: No
- Special Instructions: N/A

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

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

Description: This elective 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.
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

Rotation Activities:
The student is expected to design their elective in advance with Family Medicine faculty and take an active role in the assessment and management of patients.

Patient Encounters: MPMHC 1 - 11 None 3 0 40 2,4 Faculty at MPMHC Clinical
### 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.

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<td>2,4</td>
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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  
Clinical
Allergic and immunologic problems affect up to 20% of adults and children in the United States, therefore, students should be familiarized with the pathogenesis, diagnosis, and treatment of various allergic and immunologic diseases.

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 out-patient care at the VA Hospital, Tampa General Hospital, and H. Lee Moffitt Cancer Center.

Patient Encounters:
The student will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, asthma, urticaria, and other atopic dermatitis, autoimmune 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

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<th>Int Med</th>
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<th>Israel, Howard</th>
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Contact:
Dr. Howard Israel
Howard.Israel@lvhn.org

Report:
Report will be provided one week prior to the start of the elective.
Patient Encounters: Students will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, acute/subacute rhinitis, cold/allergic rhinitis, rhinoconjunctivitis, angioedema, drug allergy, insect hypersensitivity, and/or food allergy and also 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:

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

Report to: Contact 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. Therefore students will study immunology and use the knowledge gained to care for patients with respiratory disease.

Objectives: The objectives of the respiratory disease research experience at the Joy McCann Culverhouse Airway Disease Center are to expose and train students in respiratory research. The student will learn the accepted methods used in clinical research in this state-of-the-art program. The student will learn how to conduct clinical research, and participate in the research efforts that further our understanding of respiratory disease.

Rotation Activities: The student will attend four weekly conferences on basic immunology and clinical allergy and immunology. The student will present a synopsis of his/her work in the last week of his training.

Patient Encounters: Evaluation: Faculty members and staff associated with the training program will assess the level of competence and will complete evaluations.
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<td>MDT 8200B</td>
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**Description:**

The course is designed to introduce and review clinical cardiac disorders that have a predominantly genetic component. It will cover various topics related to sudden cardiac death, including a simulated genetic counseling session and a review of how to order genetic testing.

**Rotation Activities:**

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

**Patient Encounters:**

N/A

**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
The Harvey Elective is an uses the University of Miami Harvey Course Curriculum. This vetted curriculum has the students ... 27 most common heart conditions and their physical findings, which are mimicked on the Harvey Cardiovascular Simulator.

The students have both on site practice on the Harvey manikin, and at home, to learn how to ... and attend all of the scheduled discussions that provide an opportunity to explore their findings on the Harvey Manikin.

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

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

Patient Encounters:
N/A

Evaluation:
Course objectives will be assessed by the documentation of individual’s practice on the manikin as well as the three quizzes and a comprehensive written and practical examination at its conclusion.

Syllabus:
Posted to Canvas

Visiting Students:
With permission from Course Director

Special Instructions:
N/A

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<tr>
<th>Int Med</th>
<th>Cardiovascular MEL 8351 Harvey Elective in Cardiology</th>
<th>USFMS 3,5,7,9,10</th>
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<th>Basic Science</th>
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<tr>
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<td>MDT 8200C Adv Concepts</td>
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<td>Yr 4 Status</td>
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<td>Brady, Patrick</td>
<td>Basic Science</td>
</tr>
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</table>
Gastroenterology

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. Students will participate in gastroenterology outpatient clinics, lectures illustrating application of basic science principles to clinical problems, and seminars. Students will be given the option of participation in a research project if they desire to do so.

Objectives: This course will address the relationship of innate and acquired immunity to the disordered immune response in various gastrointestinal diseases, the role of the immune system in viral hepatitis, and the pathophysiology of gastroesophageal reflux and Barrett’s esophagus.

Rotation Activities:
Participation in gastroenterology outpatient clinics, lectures illustrating application of basic science principles to clinical problems, and seminars.

Patient Encounters:

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

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Int Med Digest/Nutrition MEL 8306 Gastroenterology Elective LVH-CC 1 - 11 Yr 4 Status 1 0 44 2,4 Blanco, Paola Clinical
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 patients with a wide variety of gastroenterology disease processes. Students will have the opportunity to participate in the care of 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 following areas:

1. Knowledge of the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.
2. Observation of a variety of procedures including diagnostic and therapeutic upper GI panendoscopy, capsule endoscopy, therapeutic ERCP, flexible sigmoidoscopy, esophageal dilation and manometry studies.
3. Hands-on experience in capsule endoscopy is available.
4. Attendance at ward and teaching rounds, outpatient clinics and teaching conferences.
5. Emphasis will be placed on pathophysiology, clinical manifestations, diagnosis and therapy.
6. Emphasis will also be placed on the techniques of clinical nutrition.
7. Students can participate in a short research project during the rotation or may elect to begin a long term research project.
8. 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.

Syllabus:

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

Special Instructions: N/A

| Int Med Digest /Nutrition | MEL 8306 Gastroenterology Elective | MCAH 1 - 11 | Adult Med, Pri Care | 2 | 0 | 44 | 2,4 | Brady, Patrick | Clinical |
Description:
This course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in the clinical settings at the University of South Florida (USF) gastroenterology fellowship program at Tampa General Hospital (TGH) and the James A. Haley VA Hospital (VA). The GI Basic Science/Research Conference is held at the VA hospital at 7:15 AM on Friday morning and is mandatory.

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

Rotation Activities:
- Daily work and teaching rounds
- Participation in gastroenterology consults
- Two hours of conferences weekly
- Work with the gastroenterology attending throughout the rotation
- The student will also have the opportunity 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 by the student.

Syllabus:

Visiting Students:
- No

Special Instructions:
- N/A

*Click here for additional course information*
**Description:** This course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in various clinical and research activities at TGH. 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 interpretation of clinical and laboratory data, understanding of the basic therapeutic approaches, and 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, acquisition of skills such as endoscopy, capsule endoscopy, taking care of patients with gastrointestinal and liver disease, and learning interpretation of 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 by the student.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<th>0</th>
<th>44</th>
<th>2,4</th>
<th>Brady, Patrick</th>
<th>Clinical</th>
</tr>
</thead>
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**Contact:**

- **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.
Objectives:
Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the understanding of the basic therapeutic approaches, and 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, one hour of didactic discussions, and rotation 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 by the student.

Syllabus:

Visiting Students:

Special Instructions:

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<tr>
<th>Int Med</th>
<th>Emerg Med</th>
<th>MEL 8368</th>
<th>Emerg Med Outside the Hospital</th>
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</table>

Contact:
Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

Dr. Rachel Semmons
Rachel.semmons@gmail.com

Report to:
The student must contact the following personnel:

1. Kathleen Koch in order to schedule the ride along time with Aeromed (this is optional; you can choose to do all your ride along time with Tampa Fire). Her email address is kkoch@tgh.org.

2. Barbara Tripp, our Rescue Division Supervisor at Tampa Fire Rescue to sign their waiver. 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.

The purpose of this elective is to give the student a broad exposure to the scope of pre-hospital emergency medical services.

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

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, which the student will be asked to review and be prepared to discuss.

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:
No

Special Instructions:
N/A
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<td>MEL 8305 Clinical Endo &amp; Metabolism</td>
<td>T-VAH</td>
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</tbody>
</table>

Contact:
Lourdes Rodrigues, Administrator
Lrodrig1@health.usf.edu
Dr. Joaquin Gomez-Daspet
Joaquin.Gomez-daspet@va.gov

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 and check reviews; work on managing patients with endocrine metabolic disorders (pituitary, thyroid, parathyroid, adrenal, gonadal, diabetic, etc).

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Notes:
Click here for additional course information
Description:
The rotation on the Endocrinology services involves exposure to inpatient consultations and the outpatient clinic with a focus on student learning. 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 work up, 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 present the case and discuss their evaluation and management. They will also be given an interesting case with follow-up through 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:
The 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 examination, and relevant social and spiritual history. The focus will be on the assessment and management of common symptoms encountered in the palliative care setting, including pain, dyspnea, and nausea and vomiting. Additionally, the elective will cover the basics of hospice care, including patient eligibility criteria, service offerings, and the role of the interdisciplinary team.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, and relevant social and spiritual 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 differential diagnosis of pain and other symptoms.
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 and cultural 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 didactic sessions. Students will also have the opportunity 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 palliative care service. Knowledge will be assessed through a pre-post knowledge survey and exam, in addition to a case study presentation and peer review. For the hospice experience, the student will see patients primarily at the inpatient hospice unit at 17th and Chew St. Knowledge will be assessed through a case study presentation and peer review. Finally, an overall evaluation will be completed by each member of the IDT using a competency-based assessment tool.

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

**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:**
N/A

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<tr>
<th>Int Med</th>
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**Contact:**
Linda Colarusso
Linda_L.Colarusso@lvhn.org
(610) 869-2971

Report to Carmine Pellosie

**Description:**
This elective is designed to introduce senior students to Occupational Medicine specialty care and services. This will include introducing the students to 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.
- Clinical experiences which may be included during the rotation.
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 Medicine.

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

Learn and perform travel exams (utilize the Travex system). This involves consideration of medical risks, vaccinations, medication prophylaxis, etc.

Learn firefighter health concerns: perform firefighter exams while recognizing and utilizing NFPA 1582 standards.

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

Attendance at quarterly “Safety Peer Group” meeting if present when scheduled (a topic expert presents on a pertinent safety and health issue – attended by corporate and governmental agency representatives with local OSHA participation).


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

**Patient Encounters:**

Students will be evaluated on a scale from “unacceptable” to “outstanding” in multiple categories by direct interaction with the preceptor, Dr. Williams. Evaluation will include assessment on achievement of objectives listed as well as other general student performance skills observed.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

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

Contact: Dr. 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 first day of the elective.

The Employee Occupational Health clinic is in the Community Living Center (AKA CLC or Haley’s Cove). The main entrance is on the first floor. The clinic is on “B” floor at the end of the first hallway to the left after the elevators, check in in Rm 125.

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 a summary to the clinical preceptor
4. Gain exposure to legal and regulatory authority relating to protection and promotion of the public's health
5. Assess individual risk for occupational/environmental disorders using an occupational history

Rotation Activities:

The student will see patients at the James A. Haley Occupational Health Clinic. The teaching methods used include patient based care, didactic instruction by the preceptor, coordinators or staff, self-directed study and topic assignment.

Patient Encounters:

Evaluation:

The methods used for evaluation include, 360 evaluations (nursing/clinic/administrative staff, and preceptor evaluations).

Syllabus:

Visiting Students:

Visiting Students:

Special Instructions:

Special Instructions:

Contact: Jamie Morano

Jamie.Morano@va.gov

Report to:

TeleID Sessions: Monday 1230-1630; Tuesday 1000-1200; 1230-1630 (2C-249 near vascular an...
Monday AM and every Wednesday AM (1C-Telemedicine Room); Dr. Alejandro Ramirez
(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 rotate.

Description:
his elective will introduce medical students to the practice and theory of the brave new world

Objectives:
1. Compare and contrast clinical video telehealth (CVT) versus the traditional medical clinic ii
2. Be familiar with the use and interpretation of unique technical capabilities within CVT, incl.
3. Understand the CVT protocols for Hepatitis C and HIV; be able to list the specific screening,

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

1) Required Reading:
ii. Vol 2 (XXIV: HIV and the Acquired Immunity Syndrome), Chapters 392-402

2) Required Online VA TMS Courses:
Clinical Video Telehealth (CVT) Foundations for Teleproviders (#14170)
CVT: Core Competencies (#23393)

3) Suggested resources:
   b) National HIV Curriculum (https://www.hiv.uw.edu )
   c) HIV Podcasts I,II,III, IV ( http://www.idpodcasts.net )

Patient Encounters:

Evaluation feedback will be provided at the mid-point, and both oral and written evaluation will be r.
Evaluation components will consist of dual evaluation by nephrology and ID faculty as applicable for clinical performance (timeliness, interest, punctuality, % sessions attended), clinical knowledge and competency (HIV, HCV, nephrology).

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<th>MDE 8140 Geriatric Medicine</th>
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<td>1 - 11</td>
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<td>Status</td>
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<td>Yawman, Anne</td>
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**Contact:**

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 disorders and with an emphasis on disease processes related to aging. The rotation focuses on understanding the normal anatomical and physiologic changes associated with aging and the concepts of homeostasis and frailty. Students will also learn to recognize the atypical presentations of illness in the geriatric patient, evaluate and manage common geriatric conditions including delirium, dementia, depression, gait disorder and falls, syncope, unintentional weight loss, pain syndromes, urinary incontinence, and constipation. Students will assess for and prevent the hazards of hospitalization of the geriatric patient including 'polypharmacy', delirium, deconditioning and functional decline, malnutrition and pain syndromes. Students will recognize the prevalence of complex and chronic disease in the elderly and its impact on functionality and quality of life. Students will understand and utilize the AGS Beer’s Criteria for potentially inappropriate medication use in the older adult. Students will administer and interpret the various standardized instruments used for assessment of cognitive function, psychological affect and physical function in the geriatric population. Students will 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 medicine services. They will observe continuity clinic visits as patients are evaluated and discharged. Students will participate in the planning and implementation of the geriatric consultation service. They will be exposed to the role of the geriatric pharmacist, social worker, nurse and other health care professionals. Students will observe and participate in the ordering of investigations and treatment plans in order to better understand the decision-making processes and the care plan formulations for post-rehabilitation and their own recommendations for improvements of the system.

**Patient Encounters:**

Students will be evaluated based on the ACGME competencies. Students will receive a short pre-test and post-test of geriatric medicine. Students will be evaluated in the following categories: 50% clinical evaluation, 25% continuity patient summary writeup, 15% post-test score, 10% journal article presentation.
Syllabus:

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

Special Instructions: N/A

Int Med | General | MDE | BYRD | 1 - 11 | Yr 4 Status | 2 | 0 | 40 | 2,4 | Guerra, Lucy | Clinical

BYRD 8148 Geriatrics and Health Disparities

Click here for additional course information

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 disparity in our health care system. The goal is 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. Understand the impact of age and health disparities on patient outcomes.
2. Develop skills in geriatric assessment and management.
3. Collaborate effectively with multidisciplinary teams.
1. Compare and contrast the health needs and problems encountered in indigent care in the elderly.

2. Compare and contrast the health needs and problems in an urban setting.

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 its impact on healthcare delivery.

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 evaluations completed by their designee and at the end of the course based on medical knowledge, medical skills, and demonstrated professionalism.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Contact:

Dr. Elizabeth Bugarin
epbugarin@health.usf.edu
Barbara Pearce
Report:

Dr. Elizabeth Bugarin  
epbugarin@health.usf.edu

Description:
The elective integrates students into the nocturnal critical care team and provides students with an overview and experience in airway management, intraocular procedures, and invasive monitoring techniques. The rotation includes bedside ultrasonography, thoracentesis, pericardiocentesis, dialysis catheter placement, Swan-Ganz catheterization, 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 the indications for each, as well as develop a plan 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, pericardiocentesis, Swan-Ganz catheterization, dialysis catheter placement, central line placement, arterial line placement, and 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 list of objectives, and feedback from the intensity team.

Syllabus:

Visiting Students:

Visiting Students:

Special Instructions:

Contact:
Dr. 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 (US) is a non-invasive diagnostic tool that can be used to assess the lung fields as well as the heart. This tool can be used to rapidly and reliably diagnose the presence of hypoperfusion or shock, and dyspnea in critical scenarios. The procedure can be easily learned and performed by the student in a short period of time making it a valuable assessment technique for the bedside physician. This elective will introduce medical students to the practice and theory of bedside ultrasonography. Bedside ultrasonography (US) is a non-invasive diagnostic tool that can be used to assess the lung fields as well as the heart. This tool can be used to rapidly and reliably diagnose the presence of hypoperfusion or shock, and dyspnea in critical scenarios. The procedure can be easily learned and performed by the student in a short period of time making it a valuable assessment technique for the bedside physician.

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:
1. AIUM practice guideline for the performance of the focused assessment with sonography for trauma (FAST) examination J Ultrasound Med. 2014 Feb 27 (2);313-8

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

Patient Feedback:
1. Oral feedback will be provided at the midpoint, and both oral and written evaluation will be reviewed with the participant at the end of the elective period.
2. Evaluation will consist of clinical performance (timeliness, interest, punctuality, % of sessions attended).

**Evaluation:**

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<th>2.4</th>
<th>Reiss, Alexander</th>
<th>Clinical</th>
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</table>

Contact: Alexander Reiss, MD

Alexander.Reiss@va.gov

**Report to:**

Room 7b723 or 7b724 on the 7th floor near the patient elevators

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the concepts of patient safety and preventable medical errors. It introduces the student to hospitalist medicine, explores the "systems" approach to medical errors, and participates in root cause analysis process. It gains an understanding of Hospitalist medicine concepts.

**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

Click here for additional course information
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

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:

Evaluation: Attending evaluations, completion of skills modules, quiz scores, presentation evaluations

Syllabus:

Visiting Students: No

Special Instructions: N/A

<table>
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<th>MEL 8332 Elective in Rural Medicine</th>
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</table>

Contact:

Int Med

Asa Oxner, MD
aixon@health.usf.edu

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

Barbara Pearce
Academic Services Administrator

Internal Medicine 4th Year Electives Program
Description:
This elective is designed to introduce students to the practice of medicine in a rural community. Under the supervision of a preceptor at Gulfcoast South AHEC, students will gain 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. Students will also 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.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural practice to those encountered in prior urban rotations.
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 funding.

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 Instructions:
This elective must be scheduled through Anne Wenders from the AHEC office. Final arrangements for the elective 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.
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. They will be responsible for providing comprehensive care to patients in a variety of medical and surgical settings. Students are expected to participate in daily patient rounds, consults, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

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, thoracentesis
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 studie.

Rotation Activities:
Students will be required to give a 15-20 minute case presentation halfway through the rotation. The presentation will be an opportunity for them to demonstrate their knowledge and understanding of medical concepts and patient care. The presentation should include a case description, physical exam and relevant imaging. Students should also be prepared to discuss their thought process and differential.

Patient Encounters:

Evaluation is based solely on clinical evaluations from your preceptors.

Syllabus:

Visiting Students:

Special Instructions:

Int Med  General  MDI  MCC  1-2, 4-11  Yr 4  Status  1  0  40-64  4  Holmstrom, Bjorn  Clinical

Click here for additional course information
Report to:
The Moffit Cancer Center Attendings/Residents schedule changes every month. The students...

Description:
...allows the medical student to learn how to diagnose and treat common medical...

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

Rotation Activities:
...will function as acting interns on the general ward teams at Moffitt Cancer Center. 1

Patient Encounters:

Evaluation:
The student’s final grade is determined solely by his/her clinical faculty evaluation which is c...
<table>
<thead>
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<tr>
<td>MDI 8200 Acting Medicine Internship</td>
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</table>

Special Instructions:

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

**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 and will be supervised by the attending. The student will develop a deeper understanding of the general medicine team, its functions, and its relationships with the patients. 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  
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, including AM report, noon conference, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

**TGH 1-2, 4-11 Yr 4 Status 5 0 40-64 4 O’Brien, Kevin Clinical**
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

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<th>Clinical</th>
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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.

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 and autonomy that he/she may confidently assume such care in the first postgraduate year regardless of the career choice.

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
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, as well as participate in ward rounds, rounds, teaching 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:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

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</tr>
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Contact:
Olga Klinkova
Olga.Klinkova@moffitt.org
(813) 745-8565

Report to:
Dr. 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 the week prior to the start of the rotation.

Description:
This course is a 4-week experience for the 4th year medical student at one of our major inpatient teaching sites, Moffitt Cancer Center.
The student will function as acting or "early" intern on an internal medicine consult service. He/She will be given the opportunity to participate in patient care, including patient evaluations, treatment, and management. The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other mandatory weekly didactic sessions, quizzes, or 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:**

**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:**
No

**Special Instructions:**
N/A

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**Int Med** | **General**
---|---
MEL 8335 General Int Med Consult Srvc | TGH 1 - 11 Adult Med, Pri Care | 1 | 0 | 44 | 2 | O’Brien, Kevin | Clinical

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

**Report to:**
Contact the resident and attending assigned to the consult service one week prior to the start.

**Description:**
This course is a 2-week experience for the 4th year medical student at one of our major inpatient teaching hospitals, Tampa General Hospital.
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 conferences, 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

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:
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

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.

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
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 the.
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 such

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:

Int Med General MDI 9202 Honors AI in Internal Medicine
MCC 3 Yr 4 Status 1 0 64 4 Holmstrom, Bjorn
Clinical

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
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 and function as acting interns on the general ward teams. They will be given direct patient care and management responsibilities.

Objectives:
1. Introduce the student to hospital based care and management
2. Students 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
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 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 and management responsibilities.

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. It facilitates 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
Report to: TGH Attendings/Residents schedule changes every month. The students receive their schedule a week before the start of the new month. They will receive their time slot and location. There will be a list of 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 activities and responsibilities that are typical of an intern, so that he/she may confidently assume such care in the first postgraduate year regardless of the career choice.

The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the M&M conference. 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 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
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 including: admission, history and physical examination, diagnosis and treatment. They will attend the ward rounds, AM report, noon conference, Grand Rounds and the M&M conference. 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 evaluation 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

Int Med  General
MDI 9202
Honors Al in Internal Medicine

T-VAH 3
Yr 4
Status  5  0  64  4

O'Brien, Kevin
Clinical

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 their rotation. They will be given 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 duties and responsibilities of an intern. The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the M&M conference. 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 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
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 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:

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 facilitates 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

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<td>Scialla, William</td>
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</tr>
</tbody>
</table>

Contact:

William Scialla
William_S.Scialla@lvhn.org
(484) 884-5733

Rose Laudenslager
Administrative Assistant
(610) 402-0512
medicalstudents.lvhn.org
(610) 402-2554

Click here for additional course information
Description: This course will expose the medical student to a wide range of hematologic and oncologic disease processes. In the clinical rotation students will be provided a schedule with planned elective assignments.

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 patients
8. Appreciation for the importance of clinical trails 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 on the oncology consult service. They will follow patients and round with team members including attendings, APC, fellows and residents.
The students also spend time in the office setting with a attending. They accompany the attending during office visits and spend time discussing the case.
Attend tumor board, journal club, fellow lectures. Opportunity to spend time with hematopathology and blood bank

Patient Encounters:
Evaluation:
1. Students will be evaluated in the office/clinic by the faculty hematology/oncology attending.
2. Students will be given a brief multiple choice test at the start of the rotation and again at the completion to gauge progress. Test will cover basic concepts in hematology/oncology.
3. Students will be given assignments. For example: Students will be given an 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.

Special Instructions:
Int Med ID, International MDE 8320 Infectious Disease Elective

Click here for additional course information

Contact: Melissa Keyser Melissa.Keyser@lvhn.org

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

Description: The primary focus of this rotation is the inpatient consultative service. Students will be expected to round with the Infectious Disease service and attend daily rounds.

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:

Students will be evaluated by the faculty attending. Students will be given assignments. For example: Students will be given an interesting case by the attending to review...

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.
Facilities include patient populations with bacteremias, urinary tract infections, pneumonias and HIV related issues. The Cancer 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:

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

Syllabus:
Visiting Students: No
Special Instructions: N/A

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 work closely with the Infectious Disease residents, fellows, 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 faculty. 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. Additional written comments are generated at the end of the rotation by the attending faculty. Patient data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

Syllabus:

Contact: Tammy Grice
tgrice@health.usf.edu

Report to: Tammy Grice
TGH Room G323

Int Med ID, International
MEL 8310 Infect Disease & Intern Med
Click here for additional course information

TGH 1-11 Adult Med, Pri Care 3 0 44 2,4 Sinnott, John Clinical
### 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 faculty members. 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. Performance data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in those areas.

### Syllabus:

Visiting Students: No

Special Instructions: N/A

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### Additional Information:

- **Contact:** Verona Allen
  - verona.allen@va.gov
- **Report to:** Dr. Sandra Gompf
  - Sandra.Gompf@va.gov

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### Visitng Students:

- **Visiting Students:** No

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### Special Instructions:

- **Special Instructions:** N/A

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### Int Med ID, International

<table>
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<td>T-VAH</td>
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### TGH 1 - 11

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<td>Adult Med, Pri Care</td>
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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 is anticipated. Students will be part of a team including an Infectious Disease fellow and Infectious Disease attending.

Objectives:
The goal of this rotation is to introduce the senior students to transplant medicine and its major complications. The student will go through the daily assessment of the immunocompromised patient, including but not limited to: infections, renal function, pulmonary function, and electrolytes. The student will learn how to carry out administration of medications, check for drug interactions and train with other members of the team including an Infectious Disease fellow and Infectious Disease attending.

Rotation Activities:
Students will be part of a team which includes an Infectious Disease fellow and Infectious Disease attending who will facilitate management of the immunocompromised patient. Students are encouraged to participate in the weekly ID fellow lecture series as well as the ID case presentations.

Patient Encounters:
Evaluation process will be ongoing on daily basis through constructive criticism to help students perfect history taking skills.

Syllabus:
Visiting Students:
Special Instructions:
No

| Int Med ID, International | MEL 8363 Infectious in ICU | TGH | 1 - 11 | Adult Med, Pri Care | 2 | 0 | 44 | 2,4 | Montero, Jose | Clinical |

Contact:
Tammy Grice
tgrice@health.usf.edu

Report to:
Tammy Grice
TGH Room G323

(813) 844-4187

Click here for additional course information

Contact:
Tammy Grice
tgsgrice@gmail.com
Report to: Tammy Grice  
TGH RM G323

Description: ID Elective

Objectives: The goal of the course is to learn to recognize, treat, and prevent infectious complications in critically ill patients. 

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

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<th>40-44</th>
<th>2,4</th>
<th>Durr, Jacques</th>
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</table>

Contact: Christina Haynes, Administrator
chaynes1@health.usf.edu

Dr. Jacques Durr
jacques.durr@gmail.com
jdurr@health.usf.edu

Report to:
**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 the nephrology inpatient 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

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</table>

**Contact:**
Christina Haynes, Administrator
chaynes1@health.usf.edu

Dr. Alfredo Peguero-Rivera
Alfredo.Peguero-Rivera@va.gov

Report to: 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. The performance of the history and physical examination, formulation of plans for diagnosis and management, and the supervision of patient care will be the responsibility of the student who will function under the guidance and supervision of the Nephrology residents.

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

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. This rotation will include outpatient consultations and follow-up in the renal clinics and dialysis centers. The performance of the history and physical examination, formulation of plans for diagnosis and management, and the supervision of patient care will be the responsibility of the student who will function under the guidance and supervision of the Nephrology residents.

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. The performance of the history and physical examination, formulation of plans for diagnosis.

Patient Encounters:

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

Syllabus:

Visiting Students:
No
This elective is designed to introduce the basic principles and practice of palliative care. A 2-4 week inpatient palliative care consult is a requirement. The student will see patients at the university hospital (Tampa General Hospital) on the palliative care consult service. The student will actively participate in daily team rounds and scheduled didactic sessions.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, and functional assessment. Gather family and social 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 care options.

Rotation Activities:
Students will see patients at Tampa General Hospital on the Palliative Care Consult Service. Students will be assigned patients by the supervising faculty and will be integrally involved in the assessment of the patient, family and the team, formulation and implementation of treatment plans, and transition of care to the inpatient hospice program.
Patient Encounters:

Evaluation: Student will be evaluated on performance of responsibilities listed in Rotation Activities.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Int Med Pulm /Sleep Med  MDT 8200E Adv Respiratory Pathophysiology

Contact: Kendall Morris, MD
kmorris@health.usf.edu

Description: This course is specifically designed to enhance student competency in Respiratory Pathophysiology. It will provide an overview of pulmonology, practical demonstration of diagnostic techniques and critical thinking skills for effective patient care. Topics will include Adult Respiratory Distress Syndrome (ARDS), asthma, hyperbaric medicine, and airway inflammation.

Objectives: The goal of the course is to provide a review of pulmonary physiology as applied to clinical scenarios.

Rotation Activities:
1. Clinical experiences
2. Advanced basic science review

Patient Encounters: Evaluations will be evaluated on oral presentations, application of the principles of pulmonary physiology, recent basic science discovery in oral case reports, and the use of references and judgment of evidence in case reports.
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:

Dr. 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. Trainees will also be introduced to the evaluation and treatment of various sleep disorders. 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 Outpatient Clinics, VA Outpatient Clinics, TGH Outpatient Clinics, and Hospital Clinics. 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, based on the clinical work of the student. 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 experience. Additionally, the student will present a case history to the faculty preceptor, in consultation with the patient. An in-service exam will assess some of the ACGME six core competencies.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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**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. Contact:

Pat Oswald
poswald@health.usf.edu

Dr. William Anderson
William.Anderson@va.gov

**Report to:**
Dr. William Anderson
William.Anderson@va.gov

**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 with obstructive sleep apnea
4. Describe the various presentations of a patient that may be referred for the 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. 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 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...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 8340 Pulmonary Disease

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, and...

3. Have an understanding of the common pulmonary disorders, including their diagnosis and...

4. Have a working knowledge of pulmonary physiology, especially as it relates to respiratory...

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

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)

Contact:

Pat Oswald, Administrator
poswald@health.usf.edu

Dr. David Solomon
dsolomon@health.usf.edu

Report to:

Dr. David Solomon
dsolomon@health.usf.edu
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

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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

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</table>

Contact:

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

Report to:

Joanne Valeriano-Marcet, MD
jvaleria@health.usf.edu

Description:

Rheumatology is a specialty in internal medicine devoted to the diagnosis and management of a wide variety of conditions affecting the musculoskeletal system. These conditions include but are not limited to: Osteoarthritis, Rheumatoid Arthritis, Psoriatic Arthritis, Ankylosing Spondylitis, Gout, Osteoporosis, and Vasculitis.

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:

Evaluation: In this elective, the student will actively participate on the rheumatology service in the outpatient setting.

Syllabus:

Visiting Students:

Special Instructions:

| Int Med | Rheum | MEL 8339 | LVH-C | 1B, 2A, 3B, 4-5, 7-11 | Yr 4 Status | 1 | 0 | 44 | 2,4 | Ross, James | Clinical |

Contact: Dr. James Ross
james.ross@lvh.com
Melissa Keyser
Melissa.Keyser@lvhn.org

Report to: Dr. James Ross

Description: The rheumatology rotation will offer experience to observe and manage patients with a wide variety of rheumatic diseases. Students will have the opportunity 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 rheumatologic 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 diseases.

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 the rheumatology clinic.

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:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

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<th>BCC 8116 Intro to Derm, Ortho, and Rheum</th>
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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
A multi-disciplinary four-week course designed to enhance the student’s competence in the recognition, evaluation, and medical management of patients with rheumatologic, dermatologic, orthopedic, and musculoskeletal disorders.

**Objectives:**

1. Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in Rheumatology, Dermatology, Orthopedics/Sports Medicine, and Musculoskeletal diseases.
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 serving as a great preparation for USMLE

**Patient Encounters:**

- Evaluation: Based on presentation score and faculty evaluations

**Syllabus:**

- Visiting Students: No
- Special Instructions: N/A

**Contact:**

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

**Clinical sites include:** Morsani, USF South, Tampa General Hospital, and the James A. Haley...
This elective is a multi-disciplinary four-week course designed to enhance the student's competence in the recognition, evaluation, and management of common rheumatic diseases and conditions. Students are given instruction in and hands-on experience in various procedures used in each of these specialties.

Objectives:

1. Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients in the specialties of rheumatology, dermatology, orthopedic/sports medicine, and musculoskeletal disorders.
2. Recognize the clinical, laboratory, and radiographic features of the more common systemic rheumatic diseases, dermatologic disorders, orthopedic/sports medicine, and musculoskeletal conditions.
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 preparation for the USMLE.

Patient Encounters:

TBD

Evaluation:

Preceptor competency-based evaluations, workshop participation, Case presentation.

Syllabus:

Syllabus to Derm Ortho Rheum Syllabus AY 2018 2019.pdf

Visiting Students:

No

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.

Interdepartmental:

MDC 8340 Critical Care Medicine
LVH-CC 1-11 Yr 4 Status 2 0 40-80 4 Schwe d-Lustgarten, Daniel Clinical

Symbol here for additional course information

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

Report to 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.
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 the ability to evaluate and manage critically ill patients in a variety of settings.

Rotation Activities:
This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesiology, or Clinical Medicine. During this rotation, 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:
Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:
N/A

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

Description:
This elective is designed to introduce students to the practice of medicine in an intensive care unit. Under the guidance of experienced faculty, students will learn to take a detailed clinical history and physical exam on a non-verbal, critically ill patient based on limited available information. The course will focus on the recognition and management of critically ill patients, with an emphasis on end-of-life discussions and the proper administration and use of the intensive care unit as a limited health care resource. Students will be evaluated through written, oral, and practical methods, including direct patient contact and simulation. After completing the rotation, students will be provided one week prior to the start of the rotation.
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 a vital organ function.

4. Recognize patients with acute respiratory failure based on clinical laboratory data (e.g., 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 patient management, including decision-making, patient stabilization, and communication. Students will also be expected to outline an initial course of management for patients with serious conditions requiring critical care.

Rotations will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, or the Pediatric ICU to gain experience in the care of critical care patients.

Patient Encounters:

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

Evaluation:

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

Syllabus:

Visiting Students:

Special Instructions:

Contact:

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

Report to:

Class Orientation to be held on Day 1. The location will be located on Canvas.

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, or the Pediatric ICU to gain experience in the care of critical care patients.

Objectives:

The goals of this fourth year clerkship are to develop an approach to the care of patients with serious conditions requiring critical care.

After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge and skills in patient management, including decision-making, patient stabilization, and communication. Students will also be expected to 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 covering vents, ABGs, ... 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 interpret.

Syllabus:

Visiting Students:

No

Special Instructions:

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

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Click here for additional course information.
Description:
This longitudinal elective would reinforce and teach the knowledge, skills and attitudes that are needed to direct a multidisciplinary healthcare clinic. The course is longitudinal, as the responsibilities of these students will continue throughout the academic year.

Objectives:
1. Develop skills to properly manage a multidisciplinary healthcare clinic
2. To form and nurture professional relationships with Moffitt, Hillsborough Health Department, Security Personnel, Morsani
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:
Evaluation:
By the end of the elective, students should feel competent managing a multidisciplinary healthcare clinic. They will work with teams to identify, assess, and monitor patients, evaluate their responses to intervention and modify plans of care as necessary. Students will present their work and findings to the class as part of their reflections and critique the feedback from other students and faculty.

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.
Description: This elective is designed to strengthen the clinical and mentorship skills of senior medical students by involving them in a free clinic setting. The clinical mentors will have the opportunity to participate in a research project benefiting either the clinic or the surrounding community.

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. These sessions 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 newly developed research project. This project will include performing a literature review and may culminate in the development of an educational curriculum and abstracts to be presented at 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 limited number of spots will be available in the elective, so we ask that you complete the application as soon as possible. For applications, contact Dr. Gonzalez.
Description:
The elective will be an introduction to Medical Informatics. The elective will include a combination of didactic instruction and work experience. The didactic content will provide the students with a foundational understanding of clinical informatics, and the hands-on work will allow the students to apply that knowledge. The elective will be coordinated through the CMIO (or his/her designee).

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:
Students will be expected to:
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 and the CMIO Group
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 didactic presentations and experiential learning). The deliverables from this elective 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 the start of the elective.

Interdepartmental Education (MD8094 Teaching in Simulation)

LVHN 1 -11 Yr 4 Status 2 0 40 4

Smith, Amy

Contact: Amy B. Smith, PhD

amy_b.smith@lvhn.org

Report to: Department of Education

1247 S Cedar Crest, 2nd Floor

Monday at 8 AM

Description:

This elective is designed to introduce students to the art and science of simulation in healthcare and how to utilize simulation to enhance the learning experience. The course aims to provide a solid foundation in the principles and practice of simulation, from design and development to evaluation and debriefing.

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 the 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 needs
5. Review simulation curriculum from a student perspective and design
6. Design and develop an interprofessional simulation course including simulation cases, SP scripts, and an effective evaluation tool
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:

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 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.

Interdepartmental Medicine Elective

USFMS 1-12 None 2 0 40 2.4 Oxner, Asa Clinical

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 project.

Report to:

Description:

This elective allows third and fourth year medical students to gain experience in delivering medical care to marginalized communities. Students will 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. The clinic is located at various sites in the city and involves evaluation of the patient for a differential diagnosis and treatment plan. 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 Saturdays. Students are expected to volunteer during each clinic to ensure patient throughput, and ensuring completion of paperwork and documentation for each patient.
3. Research Project: Students will contribute to an ongoing research project that is directly related to the TBSM mission. Students are responsible for updating the project database, entering patient data, and organizing the data for analysis.

Patient Encounters:
Patients 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 their contribution to the ongoing research project. A PASS grade will be given to students who attend and participate at all scheduled clinical duties and also demonstrate outstanding performance in clinical duties and research.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Interdepartmental MDE 8581 Inpatient Physical Medicine and Rehabilitation

LVH-CC 1-11 Yr 4 Status 1 0 40 2.4 Piechta, Leigh-Anne

Clinical

Contact:
Leigh-Anne Piechta, DO
Leigh-Anne_B.Piechta@lvhn.org

Report to:
Will be provided one week prior to the start of the rotation
Description:
This elective is designed to introduce senior student to the practice of Physical Medicine and Rehabilitation. Students will have the opportunity to observe how patients on acute care are evaluated and how determinations about disposition are made. They will follow a patient through admission on the inpatient acute rehabilitation unit, monitoring their progress. Observation will include participation in team meetings and understanding the interdisciplinary approach to patient management. Students will become familiar with reading notes written by physical, occupational, and speech therapists. They will learn how determinations of dispositions upon discharge from acute inpatient rehabilitation are made. Students will understand the 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:

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 patients 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 on acute rehab.

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

| Interdepartment | MDE 8714 Intro to Medical | LVHN 2 - 5, 7 - 11 | Yr 4 Status | 1 | 0 | 40 | 4 | Cook, Matthew | Clinical |
**Toxicology**

Contact: Dawn Yenser

Dawn.Yenser@lvhn.org

(484) 884-2489

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

**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. The objectives will be met by completing a series of case studies covering patients with a broad range of poisons.

2. Understand the principles, methods and controversies related to limiting toxic exposures including 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 plants and animals 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 in gathering and disseminating data including protected health information (PHI).

**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.
5. Participation in inpatient consultations is expected. Volumes of patients are variable month to month.

6. Students will be expected to prepare two 10 minute presentations on a pre-approved topic.

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:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

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Contact: Fisher

610-402-2596

Brian.Fisher@LVHN.org

Report to: Variable Description:

SELECT 4 will occur throughout the year and will consist of two formal teaching blocks called...
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...
Objectives:

At the end of this elective the student will (depending on the initial goals of the students from:

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

Rotations:

Students will participate in this elective in the CAMLS, seeing standardized patients, observing.

Patient Encounters:

Students will be evaluated using checklists to provide a 360 review of their performance - the

Syllabus:

Visiting Students:

Special Instructions:

Any student who wishes to complete this elective will need to meet with either Dr. Vinita Kiluk

Report to:

N/A

LVHN

Interdepartmental MDE 8950 SELECT

Capstone

Yearlong Status

No Limit

0

4

44

Kane, Bryan

SELECT

Contact:

Angela Davis

Angela.Davis@lvhn.org

(610) 402-2316

Bryan Kane, MD

Bryan.Kane@lvhn.org

Click here for additional course information

Compliance Dates
Description:
This is a required course for all SELECT students. It will consist of a Project that results in scholarly output. This will give 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 development and submission 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 an 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

Interdepartmental Health SELECT
Click here for additional course information

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

Description:
This elective has been designed to provide students opportunities to further explore the SELECT competencies. Students will be exposed to health care disparities at an international level through immersion projects including women's economic empowerment through Micro Finance Banking Programs and agricultural programs.

Objectives:
1. To be exposed to a different culture and health care system in a developing country
2. To experience teamwork through collaboration with students from different countries and with the local health care professionals all working towards the same goals (Team Effectiveness and Communication)
3. To compare and contrast the health care systems in India and USA (Health Systems and Health Disparities)
4. 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 common health care disparities, reflections, and patient encounters set by the host institute.

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 patient encounters. 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.
Description:
This senior medical student elective is intended to teach the practical and theoretical medical skills necessary to practice medical skills to be used in situations outside of the hospital setting.

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:
"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 while catching Pufferfish

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the course based on attendance and participation of activities.
Presentations will be evaluated by course directors and contribute to the presentation portion of the final grade.

Syllabus:
Visiting Students:
No

Special Instructions:
This is a year long elective from April through May. Activities are usually held on Saturdays, but may be held on other days of the week.
Fees and equipment rental throughout the year and approximately $500 for the Annual Florida Outdoor Medicine Conference.

Interdepartmental Medical Spanish

Click here for additional course information

Contact:
Carlos C. Callegari, MD, MEd, DMSc, FAAP
A one-year online course is designed to help students reduce their communication and cultural gaps with Medical Spanish Speaking Patients (LELP). The course aims to improve and facilitate successful bi-cultural interactions by increasing cultural awareness and sensitivity. It covers medical Spanish vocabulary for common clinical scenarios, initiates communication with Spanish-speaking patients, and provides basic medical history and examination instructions.

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 have access to a face-to-face final assessment (in-person or Skype), which may include OSCEs or other educational strategies.
Report to: will be provided one week prior to the start of the rotation.

Description: This elective is designed to provide USF Medical Students an opportunity to participate in an

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
   b. Conducting basic medical interviews and being able to characterize the signs and symptoms
   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

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 staff 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

2. A written report on the learner’s experience

3. Informal presentation to the course directors on their experience as it relates to the cultural

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.

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</tbody>
</table>

Click here for additional course information

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.

Description:
This elective is designed to introduce senior medical students to the role of the physician educator. Participants will learn about the 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
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 sessions.

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. We will walk through the process of creating the module from creating objective to creating an effective assessment tool.

Patient Encounters:

- Active 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 focus on and your personal goals that you hope to achieve during this elective. Registration requires permission of the course director(s).

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</table>

Contact Cooper, PhD

jcooper8@health.usf.edu

(813) 974-2718

Report a card
This elective will introduce senior students to the practice and theories of adult education.

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 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:
Every end of the elective, students should feel competent to teach in both small group and clinical settings.

Syllabus:
- Doctoring IV syllabus 2017-18_Catalog.pdf

Visiting Students:
- No

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** | **Indep Study-Molecular Med** | **USFMS** | **1 - 11** | **None** | **No Limit** | **0** | **44** | **2,4** | **Faculty** | **Indep Study**
--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
**Molec Pharm Physio** | **Pharm Res 7464 Research in Pharmacology** | **USFMS** | **1 - 11** | **None** | **4** | **0** | **44** | **2,4** | **Cuevas, Javier** | **Research**

**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:**
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:**

**Evaluation:** Evaluation of the student will be based on the mastery of a set of research techniques, the utilization of these to investigate a research problem and the collection, evaluation, and interpretation of these experimental findings.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

**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 to... student's interest and the concurrence of the faculty. Enrollment, dates, and duration of the course are by arrangement.

Rotation 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:

Evaluation: Evaluation will be based on a short paper or oral exam to be determined by arrangement with the instructor.

Syllabus:

Visiting Students:

Special Instructions: Approval, dates, and duration of course must be arranged with a faculty mentor prior to registering.

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<th>Dominquez-Rieg, Jessica Research</th>
</tr>
</thead>
</table>

Click here for additional course information.
Contact: Jessica Dominguez-Rieg, Ph.D.
Assistant Professor
jdominguezrieg@health.usf.edu
(813) 974-4542

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 to:

- Develop hypothesis-driven research plan
- Master specific research methodologies, such as biochemical assays, fluorescent imaging techniques, and behavior testing
- Compile and analyze data
- Develop tables and figures based on data
- Derive conclusions and present data via verbal and/or written communication

Patient Encounters: N/A

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.
Neuro Disease

Click here for additional course information

Contact: Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142

Report to: Marzena Wiranowska’s office

Contact Dr. Wiranowska prior to start of rotation at mwiranow@health.usf.edu

Description: This is a 2-week elective for fourth year medical students under the supervision of Dr. Marzena Wiranowska. This course is designed to provide students with an understanding of the role of the immune system in the pathogenesis of neurological diseases and the process of translating scientific discoveries into clinical applications.

Objectives:
1. Students will appreciate the role that the immune system plays in many neurological conditions.
2. Students will learn about recent basic scientific advances in immunology and how they may 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 chosen from the list of major topics.

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 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 (e.g., 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 which 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.
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)

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 Faculty.

2. They will also get feedback and final assessment at the end of the rotation by the Course Faculty.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MDE 8580 Intro to Physical Med and Rehab</th>
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<tbody>
<tr>
<td>LVHN 1 - 11</td>
<td>Yr 4 Status 1 0 44 2,4 Radecki, Jeffrey</td>
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</table>

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 refine clinical, communication, and technical skills in the subspecialties of physical medicine and rehabilitation. Clinical exposure will include, but not be limited to, fluoroscopically guided interventional procedures and electro diagnostic testing (EMGs).

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 Facility.
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

Patient Encounters:

Evaluation of educational objectives will be provided. Evaluation will be based on attendance and demonstration.

Syllabus:

Visiting Students:

Special Instructions:

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

MDE 8580 Intro to Physical Med & Rehab

Click here for additional course information

Contact 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:
There will be instruction in the evaluation and rehabilitation of a wide range of medical disability conditions including but not limited to those patients with 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:
Apply via
Neurology  MEL 8671 Elect in Inpatient Gen Neuro

LVHN  1 - 11  Yr 4 Status  1  0  40  2,4  Varrato, Jay  Clinical

Contact: Mark.Bolden@lvhn.org
(484) 862-3175

Report to: 1250 Building, 4th Floor
Neurology Department
Monday at 7:15 AM

Description:
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.
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.

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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. They will perform neurological examinations and manage patients. Neurological examination skills will be taught 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](https://www.usfhealth.edu/) on VSAS.

**Special Instructions:**

None

| Neurology | MEL 8671 | T-VAH | 1 - 11 | None | 1 | 0 | 40 | 2.4 | Clinical |
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 be expected to complete the history and physical examination, working under the guidance of the attending physician and the attending resident. They will also perform the neurological examination skills that are taught 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:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

N/A

<table>
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<th>Neurology</th>
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<th>Benbadis, Selim</th>
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<tr>
<td>Contact:</td>
<td>Shereena Farrington</td>
<td>Neurology Education Coordinator</td>
<td><a href="mailto:sfarring@health.usf.edu">sfarring@health.usf.edu</a></td>
<td>(813) 974-4142</td>
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<tr>
<td>Location:</td>
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<td>Room 941-A</td>
<td>Monday at 7:00 AM</td>
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**Description:**

The elective is under the supervision of Dr. Selim Benbadis. During this rotation, students will...
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 the non-medical treatments of epilepsy
7. Students will learn the presurgical approach to patients with refractory focal epilepsies

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 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 nonepileptic 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, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

Visiting Students:
Neurology

MEL 8674 Elect in Headache & Pain Med

USFMS 1 - 11 None 2 0 40 2,4 Kalidas, Kavita Clinical

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 a seasoned headache and pain specialist. The rotation is designed to provide a comprehensive understanding of headache and pain management, from diagnosis to treatment.

Objectives:
1. Students will understand the differential diagnosis of patients presenting with headaches and head pain.
2. Students will understand the acute and chronic management of migraines and other primary headache syndromes.
3. Students will learn about the various oral and IV medications used to manage headache patients.
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 blockades.
5. Students will learn about other complementary interventions used to treat headache and pain patients such as neuromuscular re-education/biofeedback, physical therapy, occupational therapy, and psychological intervention.

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, neurological, and headache history and understand the spectrum of headache syndromes.
2. Students will participate in the evaluation and management of headache patients, including the use of medications and interventional procedures.
3. Students will engage in case-based discussions and presentations to further their understanding of headache and pain management.
4. Students will work on developing their skills in neurological examination and physical examination relevant to headache disorders.

Note: Additional course information can be found here.
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, and psychological intervention.

6. Participation in Didactic Lectures and Journal Clubs is mandatory.

7. Opportunities to participate in research projects are available.

Patient Encounter: Students will see patient presenting with various headache and pain disorders in the inpatient and outpatient settings.

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, Dr. Zesiewicz, Theresa

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Neurology Elective in Movement Disorders

MCAH 1 - 11 None 1 0 40 2,4 Zesiewicz, Theresa

Clinical 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 at TBD. 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 will learn how to obtain a comprehensive medical and neurological history in patients presenting with movement disorders.

Students will learn how to do a detailed neurological examination in patients presenting with movement disorders under the supervision of the Attending physician.

Students will observe the use of botulinum toxin injections in the treatment of certain movement disorders.

Students will learn how to select appropriate patients for surgical treatment with Deep Brain Stimulation (DBS).

Students will have the opportunity to observe clinical trial visits evaluating the efficacy of experimental drugs in treating various movement disorders.

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 and TBD. Students will 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 at the end of the rotation.
2. 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, b.

Syllabus:

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

Special Instructions:

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Contact:

Mark.Bolden@lvhn.org

(484) 862-3175

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 clerkships at a number of hospital sites. This will allow the student to see the variety of outpatient presentations as well as develop skills needed to treat such patients. The student will participate in a variety of outpatient settings, with the emphasis on understanding common outpatient complaints and assisting in the diagnosis and management of such complaints.

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 outpatient neurological conditions.
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.

Neurology

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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 clinical care provided by the neurology service. This rotation is designed for 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 thorough history and perform a neurologic examination. Neurological examination skills will be taught to the students during their patient encounters.
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, 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:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A
Contact: Mark Bolden  
Mark.Bolden@lvhn.org  
(484) 862-3175

Report to: 1250 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. The elective is focused on the management of patients with cerebrovascular disorders, including ischemic stroke, intracerebral hemorrhage, and subarachnoid hemorrhage. The objectives of the elective include:

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 outpatient 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:

Evaluations: Students will be evaluated by the course director at the end of the course, based largely on clinical performances.

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. Varra.

Neurology

MEL 8678
Vascular Neurology

Vascul

Neurology

Click here for additional course information

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. David Rose. During this rotation, third or fourth-year medical students may...

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.
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 stroke.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and obj.
1. Students will evaluate patients presenting with stroke-like symptoms in the emergency room and inpatient settings under the supervision of an attending. Neurological examination skills will be taught to the students at the bedside.
2. Students will participate in interpreting neuroimaging studies as applicable to their patients.
3. Students will evaluate patients in the outpatient stroke clinic where they will learn about secondary prevention of stroke and manage the patients they pick up. Neurological examination skills will be taught to the students at the bedside.
4. Students will also get exposure to interventional neurology as it pertains to the management of ischemic stroke and subarachnoid hemorrhage (intravascular clot removal, intravascular aneurysm coiling, etc.).
5. Students gain experience in critical care neurology as it pertains to the management of patients with ischemic stroke, intracerebral hemorrhage and subarachnoid hemorrhage.
6. 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 and see patients in the outpatient stroke clinics under the supervision of a Vascular Neurology Attending.

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 at the time of patient encounters.
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:
S. Farrington
Neurology Education Coordinator
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. Electives such as medical neurology, neuro-oncology, 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 a hypothesis, 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 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: 
Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: 

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Contact: Kelly Thompson, Residency Coordinator
kpthompson@health.usf.edu
(813) 259-0801

Report to: Chief 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 ... and management of neurosurgical illness and active participation in the radiological, clinical, and teaching rounds.

Objectives: This sub-internship elective will give forth year medical students an opportunity to gain experience in both inpatient and outpatient care. Students will learn and apply the specifics regarding performing neurological exams; collecting a detailed patient history, performing and/or assisting in patient evaluations and minor procedures with the direct supervision of a neurosurgical resident and/or attending.

Students will demonstrate interpersonal and communication skills through their interactions with patients and their families, including showing empathy, respectfulness; be open to educational opportunities, and receptive to constructive criticism from supervising personnel.

Students will participate in team-based learning exercises; perform literature and/or database searches on specific topics during the rotation; present the case to residents and/or attendings to discuss differential diagnosis and formulate a plan of care.

Students will demonstrate effective and efficient teamwork, employing collaborative approaches that effectively and efficiently make use of healthcare resources.

Rotation Activities: Students will participate in daily ward rounds and will be integrated into the ward management team. Participating in simulation exercises will be part of the rotation, and 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 may be expected to present a short, no more than ten minutes in length, presentation 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 Neuroscience 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 appreciation of the scope of neurosurgery. Evaluation will be of a student’s performance and will be based on their ward performance, conference performance, and the quality of their histories and physicals.

**Syllabus:**

**Visiting Students:**

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

**Special Instructions:**

USF students are encouraged to enroll in period 2 or 3.

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**Department:**

LVH-Cedar Crest

**Description:**

A subinternship in the field of neurosurgery encompassing emergent and elective procedures including brain and spine surgery.

**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:**

The student will be associated with neurosurgical surgeons whose patients exhibit a wide spectrum of neurological problems. The student will participate in the neurological operating room, participating in rounds and observing angiographic and CT diagnostic procedures.

**Patient Encounter:**

Clinic, Operative, Floor, Intensive care

**Evaluation:**

Students will be evaluated based on their ward performance.

**Syllabus:**

**Visiting Students:**

No.

**Contact:**

Joseph Stirparo, MD
Joseph_J_Stirparo@lvhn.org

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Click here for additional course information
Contact: Kelly Thompson, Residency Coordinator
kpthompson@health.usf.edu
(813) 259-0901

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 from the Neurosurgery, Neuroimmunology, Neurosurgical and Neurotrauma Research, and Brain Repair Department. 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:

- Create a preliminary outline of the depth and goals of their research period.
- Review published literature pertaining to the clinical area or topic; evaluate and critique publications.
- Familiarize themselves with the various methods associated with data collection, interpretation, and analysis.
- Gain a general understanding of the opportunities, sources, and challenges associated with securing funding and resources for research.
- 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, clinical, and biophysical methods for investigating the effects of injury, disease, and aging on brain function, as well as current knowledge of the treatment of brain tumors, and spinal biomechanics. 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 present 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:
NeuroSurg

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NeuroSurg

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Ob/Gyn

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Contact: Martin Martino

Martin.Martino@lvhn.org

Report to: Valley Hospital Cedar Crest, 7C

Monday 6:00 AM

Call chief gynecologic oncology resident to set up specific expectations and requirements

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 assigned...
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 c.

9. Will research, prepare, and present a 15 minute oral presentation relating to a chosen gyne

Rotation Activities:
The student will work with the Gynecologic Oncology team caring for patients on the wards, i
2. Participate in new consults and emergency room evaluations as acting intern and be respo
3. The student will attend all conferences and lectures that the Gynecologic team intern is re,
4. The student will be responsible for writing clinic and/or inpatient notes as assigned by chie

Patient Encounters:

Evaluation will be based on clinical performance in the role as acting intern to include assess

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 te

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:

Ob/Gyn  MDE  LVHN  Yr 4  No  Jones,  Clinical
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/Gyn Milesto  Status  4  0  Adv  Marie  Elective
ne  Elective
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 allow students to 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.
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:

Evaluation: Students will be evaluated by performance on meeting the ACGME Level 1 Milestones. This will be done through graded 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
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. Students will be involved in all aspects of the gynecology service providing exposure to patient care, consultation, and surgical experience.

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 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 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: Evaluation by the chief resident and gynecology faculty assigned to the team. Evaluation will be based on performance in all aspects of the gynecology service. Participation, compliance, and professionalism as an integral part of the team will be assessed and emphasized. Completion of rotational procedure log will be required.
50% Attending/ Resident Evaluations  
30% Case Presentation  
20% Notes & Completion of Passport and Log

**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

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDE 8180 Maternal-Fetal Medicine</th>
<th>LVHN 1 - 11</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>80</th>
<th>4</th>
<th>Coassolo, Kara</th>
<th>Clinical</th>
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</thead>
</table>

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 obstetric and high risk medical patients.

**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 complications 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. 

   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 residents, nurse practitioners, genetic counselors, nurses and other medical professionals. In order to be effective, you should demonstrate your knowledge of the patient and your interest in the case. 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 a designated antepartum patient to follow throughout their stay. Students will be expected to see an appropriate distribution of patients (both inpatient and outpatient). They will be expected to see both patients throughout the rotation. 

5. Students will have the opportunity and be expected to see an appropriate distribution of patients. Students will be expected to follow and participate in the care of designated inpatient and outpatient patients. They will be assigned a designated antepartum patient to follow throughout their stay. They will be expected to see an appropriate distribution of patients. 

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:**

<table>
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<tr>
<th>Ob/Gyn</th>
<th>MDE 8181 Obstetrics Elective</th>
<th>LVH-CC</th>
<th>4 - 11</th>
<th>Yr 4 Status</th>
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<th>Diven, Liany</th>
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<tbody>
<tr>
<td></td>
<td>Click here for additional</td>
<td></td>
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</tr>
</tbody>
</table>
Contact: 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 exam, recommend evaluation/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 aspect of the rotation. 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 residents (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 to care for and contributing to management decisions of these patients. To learn the computer system, take the online tutorials at http://lvhwebcontent.lvhn.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 rotation. 15 patient encounters are expected so you should not have a 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 given by the preceptor at the end of the rotation.

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

Description: Students will be expected to demonstrate a level of skill in-patient care of both gynecology in-patients and outpatients, including completing all intern related administrative tasks under supervision of 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 an 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 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:

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<th>Ob/Gyn</th>
<th>MEL 8420 Ob/Gyn Subspecialty Elective</th>
<th>TGH/MCAH 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>

Description:
This elective is offered to introduce the fourth year medical students to 2 subspecialties within the field of Obstetrics and Gynecology. The elective 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

Contact:
Melissa Mancao
mjmancao@health.usf.edu

Report to:
South Tampa Center (STC)
6th Fl
Dr. David Rapkin
drapkin@health.usf.edu
(412) 535-1873

Additional course information:
Click here for additional course information
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 Activities:

- 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:

- Yes.
- 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.

Contact:

- Dr. Stephanie-Marie Jones
- Stephanie-Ma_L.Jones@lvhn.org

Report to:

- Labor & Delivery, 3rd Floor Jaiidl
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 stude

Call Schedule:
This course is setup with two weeks of dayfloat from Monday through Friday and two weeks.
Students will attend morning educational sessions, neonatal and ultrasound conferences, gr.

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, the clerkship director will complete a clinical evaluation of your performance. This is based on several areas including professionalism, demonstrating learning, teamwork, and organization.

- 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 to your team and medical students. You will give a 10-20 minutes lecture on a topic during the medical student lecture series.

- 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 an 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>
<th>TGH 1-11</th>
<th>Yr 4 Status</th>
<th>2</th>
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<th>40-60</th>
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<th>Rapkin, David</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**

mjmancao@health.usf.edu

**Report to:**

Tampa Center (STC)

6th Fl

Dr. James Mayer

Dr. David Rapkin

**Description:**

The Ob/Gyn Acting Internship is a month long concentrated clinical experience at Tampa General Hospital in the Bayshore Women's Clinic. The acting intern will triage, admit, and deliver those patients to whom they have been assigned.

**Objectives:**

1. Advance and mature the knowledge base and clinical skills in the care of the obstetrical patient.
2. Demonstrate the independence of developing an assessment and plan for patient care to be presented, reviewed, and agreed upon by the medical team.
3. Acknowledge and demonstrate responsibility and professionalism to patients, team and staff.
4. Actively participate in all patient care directly or indirectly, attempting to meet patient care needs at all times.
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 Activities:**
The student will be supervised by USF Department of Ob/Gyn clinical faculty and residents.

**Patient encounters:**
Students will be asked to manage at least 2 patients at all times: Triage/Labor and Delivery in conjunction with the resident team.

**Evaluation:**
evaluation forms will be completed by the Labor and Delivery faculty and resident team.

**Syllabus:**
Visiting Students:

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<th>Ob/Gyn</th>
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<tr>
<td>Oncologic Sciences</td>
<td>MDE 7286 Flex Yr 3 Elective in Onc Hosp Med</td>
<td>MCC</td>
<td>1-12</td>
<td>None, Yr 3 only</td>
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<td>0</td>
<td>40-50</td>
<td>2</td>
<td>Hembree, Timothy Clinical</td>
</tr>
</tbody>
</table>

Contact: Timothy.Hembree@moffitt.org
Students will rotate on the Internal and Hospital Medicine (IHM) Inpatient service at Moffitt Cancer Center. The student is expected to attend Table rounds with teaching service daily.

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:
1. Table rounds with teaching service daily
2. Participate in the daily care of patients and write daily progress note
3. Participate in lecture series, practice H&P skills, oral presentation/case report

Patient Encounters:
1-3 daily
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:
No

Special Instructions:
N/A
Description:
This elective is designed to introduce fourth year medical students to palliative care in an oncology setting. Under the supervision of a palliative care specialist, students will develop communication skills and techniques to break bad news and have meaningful advance care planning discussions.

Objectives:
1. Describe the domains of palliative care and outline means to address each domain in seriously ill patients (physical, psychological, social, 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, and decreased appetite
3. Describe the principles of pain management in patients with chronic life-limiting illness
4. Describe how to work collaboratively to deliver comprehensive palliative care through an interdisciplinary team approach
5. Demonstrate patient-centered interview techniques when giving bad news or clarifying goals of care
6. Develop the 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
8. Distinguish the services of inpatient hospice versus home hospice and recognize which patients are appropriate for referral
9. Recognize patients that would benefit from specialist palliative care referral

Rotation Activities:
Students will see patients on the H. Lee Moffitt Cancer Center palliative care inpatient consultative service and in the palliative care outpatient clinic. Students will attend didactic sessions focused on symptom management, communication skills, and palliative care principles. Students will participate in case management, provide palliative care consults for patients with complex needs, and attend interdisciplinary rounds.

Patient Encounters:
Students will see patients on the H. Lee Moffitt Cancer Center palliative care inpatient consultative service and in the palliative care outpatient clinic. Students will also participate in palliative care consults for patients with complex needs, and attend interdisciplinary rounds.

Evaluation:
Students will be evaluated based on clinical evaluations completed by the course director. Evaluation criteria include the following:
- 75% of patient interviews/clinical notes and required journal article reading
- 25% oral presentation
- 10% professionalism

Visiting Students:
No

Special Instructions:
Prior Approval Required: Any interested student MUST meet with Dr. Oberoi-Jassal to plan the elective. Ideally this should be done at least 1 month prior to the start of the rotation.
Oncology

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 Genitourinary (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 other supportive staff?

Syllabus:

Visiting Students: No
Description:
The elective is designed to provide exposure to the presentation, evaluation and treatment of patients with lung and esophageal malignancies. From a didactic standpoint, the student will join the surgical team in conferences and multi-disciplinary tumor boards.

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 maneuvers, 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 faculty of the surgical 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:
N/A
<table>
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<tr>
<th><strong>Oncologic Sciences</strong></th>
<th><strong>MDE 8646 Head and Neck Oncology</strong></th>
<th><strong>MCC</strong></th>
<th><strong>1-11</strong></th>
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<th><strong>2,4</strong></th>
<th><strong>Otto, Kristen</strong></th>
<th><strong>Clinical</strong></th>
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</thead>
</table>

**Contact:**

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. Students will gain experience in the full gamut of Head and Neck Cancer Care. 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
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
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

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**Oncologic Sciences**

**MEL 8831 Surgical Oncology**

**Visiting Students:** No

**Special Instructions:** N/A

**Contact:** Dr. John Kiluk

**Report to:** John.Kiluk@moffitt.org

**Description:** This elective is designed for medical students who wish to gain an in depth experience in surgical oncology. The course will be designed to be satisfactory or unsatisfactory.

**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, Neck, Urology, and Vascular. In addition to these activities, the student will participate in 2 days of medical oncology and 2 days of radiation oncology, outpatient clinics, operative procedures, inpatient rounds, and tumor boards.

**Patient Encounters:**

**Evaluations** will be evaluated by the course director at the end of the course. The evaluation will be based upon feedback from 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 that they are included in the rotation. The availability of the elective may be dependent on the availability of faculty that can be influenced by national meetings and vacations.

Oncologic Sciences
MEL 8308 Ambulatory Hematology-Oncology
Click here for additional course information

Oncology Sciences
MEL 8308 Ambulatory Hematology-Oncology

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 oncology and hematology. The student will be evaluated on the basis of the adequacy of patient evaluation and case presentations.

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 splenic tissues
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of hematologic and neoplastic disorders
3. Chemotherapeutic drugs, growth factors and their mechanisms of action, clinical indications, and limitations
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:
Students will receive an evaluation by their preceptor.

**Syllabus:**

**Visiting Students:**

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:**

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 attain a solid understanding of the pathophysiology, clinical manifestations, and management of neoplastic and hematologic disorders as well as the mechanisms of action, clinical indications, and limitations of chemotherapeutic drugs and growth factors. It also allows the student to gain additional knowledge and experience in the areas of:

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... session between the ID services of the James A. Haley VA and Moffitt alongside Moffitt's microbiology laboratory.

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 unders... antimicrobials and creating durations of therapy
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... microbiology rounds 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... of presentation skills and formulation of a good differential diagnosis from an ID perspective.

Syllabus:

Visiting Students:
Oncologic Sciences

MEL 8366
Adult Bone Marrow Transplant and Cellular Immunotherapy

Special Instructions:

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 patients will be undergoing active follow-up and patients will be undergoing outpatient transplant and outpatient cellular therapy.

Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will participate in patient care including evaluation, treatment and follow-up of patients undergoing cellular therapy.

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 cytopenias; infectious complications; Graft-versus-host disease; 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

Oncologic Sciences

MEL 7740 Radiation Oncology

-click here for additional course information-

Contact:

Angie Courtney
Angie.Courtney@moffitt.org

Report to:

Angie Courtney
Angie.courtney@moffitt.org

MCC 4135
(813) 745-8535

Description:
The Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of cancer. Visiting 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, and the importance of 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:
Yes.
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
No

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<th>MEL 7320G Extenship - Radiation Oncology</th>
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</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 care 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:

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:

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

Special Instructions:

N/A

Ophthalmology

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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 diagnose 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 testing.
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 Approvals Required.

Ophthalmology 8506

Cornea/External Disease

MCAH 1 - 11 (Yr 4); 9 - 11 (Yr 3)

Yr 4 Status 1 0 44 2.4 Esquenazi, 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 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 affecting the cornea.

Rotation Activities:

Attendance in clinic and surgeries

Patient Encounters:

Evaluation:

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.

Special Approvals Required.
Students will get weekly assessments of their performance

Students will also get feedback and final assessment at the end of the rotation.

**Syllabus:**

Visiting Students:

Special Instructions:

**Ophthalmology**

MEL 8507 Retinal Elective

| MCAH | Yr 4 Status | 1 - 11 (Yr 4); 9 - 11 (Yr 3) | 1 | 0 | 44-70 | 2,4 | Pavan, Peter | 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 clinical and surgical environment and work closely with faculty and residents to gain hands-on experience.

**Objectives:**

Students will have basic knowledge of the anatomy, clinical exam, and pathology of diseases affecting the cornea.

**Rotation Activities:**

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 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.**
Ophthalmology Elective

Visiting Students: No

Special Instructions: N/A

Ophthalmology
LVHN 1 - 11 Yr 4 Status 1 0 44-70 2,4 Kazahaya, Masayuki Clinical

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 detachment, and other retinal conditions. Students are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

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:
**Description:**
This course is designed for students interested in ophthalmology as a career. Glaucoma is one of the most common clinical presentations. An interesting patient or the results of a research project at the departmental teaching conference is required.

**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 limit

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<tr>
<td><strong>Contact:</strong></td>
<td>Lizzette Sanchez</td>
<td><a href="mailto:lizzette@health.usf.edu">lizzette@health.usf.edu</a></td>
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<p>| Ophthal | MEL 7320E Externship | EXT 1 - 7 | Yr 4 Status | No Limit | 0 | 44 | 4 | Faculty Externship |
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<td>Maureen Maciel, MD</td>
<td>Clinical</td>
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</table>

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:
The elective is designed to introduce 3rd year medical students to the subspecialty of pediatric orthopedic surgery. Students will gain knowledge and exposure to a wide variety of acute and chronic conditions including fractures, muscle, and bone diseases. The student will participate in clinics and surgery, as well as didactic sessions and case reviews.

Rotation Activities:
Seeing patients in clinic, scrubbing into the operating room, attending departmental conferences.

Patient Encounters:

**Evaluation:**

Upon completion of this elective, the student should have a basic understanding of the recognition and management of traumatic musculoskeletal injuries. The student will be able to critically reflect on what they have learned during the rotation. This write-up will be evaluated by Dr. Maciel.

**Syllabus:**

- **Visiting Students:** No
- **Special Instructions:** N/A

**Ortho**

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<th>Course Code</th>
<th>Course Title</th>
<th>TGH</th>
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**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 learn about the role of research, and how clinical staff from different medical disciplines work together for the benefit of the patient.

**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

**Rotation Activities:**

- Daily rounding
- Dressing changes
- Seeing consults
- Assisting in fracture reduction and splinting
- Scrubbing into the operating room

**Patient Encounters:**

Students 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 principles of orthopaedic trauma management. The student will be evaluated by the trauma attending, H. Claude Sagi at the end of the elective.

**Syllabus:**

- Clinical
Visiting Students:

Any interested student MUST email Ann Joyce prior to the elective to receive TGH instructions at least 60 days in advance of the elective.

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<tr>
<th>Course</th>
<th>Code</th>
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<tr>
<td>Orthopaedics</td>
<td>MEL 8823</td>
<td>Hassan</td>
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Orthopedics Acting Internship

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.

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 emergencies.
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 have the opportunity to work with the faculty and residents of the Department of Orthopaedics & Sports Medicine.

Patient Encounters:

Evaluations will be done on an individual basis by the clinical preceptors and will be based on:

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

**Special Instructions:**

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<th>Ortho</th>
<th><strong>MEL 7320U</strong></th>
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</table>

Click here for additional course information.

**Contact:**

Kayla McCollum
kmccoll2@health.usf.edu
(813) 974-2406

Report to:
Varies based the site of rotation. Tentative rotation schedule will be sent to student the week prior to the start of rotation detailing where they should report.

**Description:**

This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology.

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 clerkship.

**Rotation Activities:**

By the completion of the elective, all students will be able to demonstrate proficiency in the otolaryngological head and neck examination after patients, modern diagnosis and management of head and neck cancer, maxillofacial trauma, epistaxis, hoarseness, and dysphasia.

**Patient Encounters:**

Evaluation:

The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, technical ability, knowledge of the history and physical examination, critical thinking, knowledge of the body systems and their functional units, knowledge of pathophysiology, knowledge of the pharmacological therapy of common otolaryngological problems, knowledge of the surgical management of otolaryngological problems, knowledge of the differential diagnosis of otolaryngological problems, understanding of the underlying principles of modern diagnosis and management of head and neck cancer, maxillofacial trauma, epistaxis, hoarseness, and dysphasia, and rapport 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:
N/A

**Otolaryngology**

Click here for additional course information

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 should be followed by the trainee upon their admission to the hospital. They will assist at the operative procedures on selected patients and will observe postoperative results in patients who have previously been treated for otolaryngological problems.

Trainees 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, allowing for 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 examination, modern diagnosis and management of head and neck cancer, maxillofacial trauma, epistaxis, hoarseness, and dysphasia.

Patient Encounters:

Evaluation:
The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, clinical skills, ability to assume responsibility, rapport with patients and families, subjective elements of interpersonal relationships, motivation, and ability.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
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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. They will observe and participate in selected conferences and inpatient rounds. 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 activities: include observation of tissue processing in the grossing room; attendance of autopsies; and preparation and reporting of frozen sections.
Patient Encounters: N/A

Evaluation: Evaluation will be based on assessment of the above objectives by members of the Department.

Syllabus:

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

Special Instructions: N/A

Path
BMS 7663 Anatomic Pathology

TGH 3-11 None 1 0 40-44 2,4 Riddle, Nicole

Contact: Michelle Burnham
mburnham@health.usf.edu

Report to: TGH 16232
8:00 AM on the first scheduled day to Dr. Nicole Riddle. Confirm rotation the week prior with

Description: The objective of this course is to strengthen the students in areas of anatomic pathology rele

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 encount
4. Demonstrate appropriate handling and processing of a tissue specimen from its receipt in
5. Identify major histologic abnormalities in different organ systems

Rotation Activities: Students will observe and participate in the daily activities in Anatomic Pathology, includin

Patient Encounters:
Evaluation will be based on assessment of the above objectives by members of the Department of Pathology.

Syllabus:

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

Special Instructions:

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<th>Path</th>
<th>BMS 7663 Anatomic Pathology</th>
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<tr>
<td></td>
<td>T-VAH 3 - 11 Yr 4 Status 1 0 40-44 2,4 Bulkeley, William</td>
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</tbody>
</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

Description:
The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of medicine. Small group conferences will be held with correlation of clinical and pathologic findings. 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

Rotation Activities:
Students will observe and participate in the daily activities in Anatomic Pathology, including

Patient Encounters:
Evauluation 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](http://www.usf.edu) on VSAS.

**Special Instructions:** Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20

<table>
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<th>MCC</th>
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<th>2,4</th>
<th>Hakam, Ardeshir</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:**
Dr. Ardeshir Hakam
Ardeshir.Hakam@moffitt.org
(813) 745-1874

**Report:**
Dr. Prudence Smith
MCC 2070A

**Description:**
Rotations in gross/FS (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 the field.

**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 resident(s) and Fellow on the cytology service, and sign out with the resident(s) and Fellow on the cytology service.

- **Systemic Pathology**

  This portion of the elective involves the process diagnosis of tissue prepared during gross examination and appropriate sectioning of a variety of simple to complex specimens for processing and final diagnosis.

- **Cytopathology (Sign out & Intra-Operative Evaluation)**

  During this assignment, students shadow the resident(s) and Fellow on the cytology service, and sign out with the resident(s) and Fellow on the cytology service 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 and assists 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

Description:

The objective of this elective is to gain experience regarding the practice of pathology for those students considering a residency in pathology. Particular attention will be given to the role of a pathologist as consultant and educator. The daily activities may vary depending on availability.

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 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 and Clinical Pathology.
**Patient Encounters:**

The staff cytopathologists 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) 972-2013 as soon as possible but no later than 2 weeks prior to the start of the rotation to complete all VA certification requirements.

**Path**

<table>
<thead>
<tr>
<th>BMS 7666</th>
<th>Clinical Cytopathology</th>
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</thead>
</table>

**T-VAH** 1, 3-11 None 1 0 44 2, 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

**Description:**

The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize malignancy and to gain an understanding of the role of the cytopathologist in the diagnostic process. The students will observe the daily workflow in the cytopathology laboratory including examination of prepared slides, consultation with other medical professionals, and interaction with medical personnel 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 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 the pathology gross room until its status as a finished product on a glass slide.

**Rotation Activities:**

Students will view selected cytologic specimens during regular "sign out" sessions. The students will also view cases being reviewed by the cytopathologist and their team.

**Patient Encounters:**

The staff cytopathologist will evaluate the student using a standardized student evaluation form.
Syllabus:

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

Special Instructions:
Students should contact the Pathology & Laboratory Medicine Service secretary (813) 972-20...

Path
BMS 7666
Clinical Cytopathology

MCC
1, 4-11
Yr 4
Status
1
0
44
2,4
Hakam, Ardeshir
Clinical

Contact:
Ardeshir Hakam
Ardeshir.Hakam@moffitt.org
(813) 745-1874

Report:
Ardeshir Hakam
MCC 2070B
Dr. Prudence Smith
MCC 2070A

Description:
Participation in screening and sign out of cytopathology cases and performing FNAs done by...

Objectives:
The objective of this course is to introduce the students to the principles used by the cytopat...

Rotation Activities:
The rotation encompasses as many areas of Cytopathology as are practical in one month, inc.

Gross & Frozen Section Pathology
In the initial 2-3 days, students are stationed in the frozen section room where they shadow &

Cytology preparation
Students will be rotating in the cytology preparation laboratory where they learn about the te

Cytopathology (Sign out & Intra-Operative Evaluation)
During this assignment, students shadow the resident(s) and Fellow on the cytology service, and:

**Patient Encounters:**

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

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**Path** | **BMS 7667 Elective in Lab Medicine**
---|---
**T-VAH** | 1, 3-11
**Yr 4 Status** | 1, 0, 44, 2, 4
**Bulkeley, William** | Clinical

**Comments:**

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 elective is to acquaint the student with appropriate technical and interpretative laboratory tests. The student will be expected to attend pathology conferences.

**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 such as:

- Anatomic pathology
- Cytopathology
- Hematology
- Immunology
- Molecular pathology
- Ultrastructural pathology

**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.

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<thead>
<tr>
<th>Path</th>
<th>BMS 7668 Forensic Pathology</th>
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<td>Yr 4 Status</td>
<td>1 0 44 2,4</td>
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<tr>
<td>Mainland, Mary</td>
<td>Clinical</td>
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</tbody>
</table>

Contact: Michelle 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...

Objectives:

1. Learn to correlate autopsy findings with clinical information and information derived from:
2. Learn to complete death certificates in a manner acceptable to the Office of Vital Statistics
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 disease 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 study (or) 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.

Patient Encounters:

Evaluation is based on feedback from direct daily observation by attending physicians and the forensic fellow.

Syllabus:

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

Special Instructions:
Prior approval required.

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<th>Path</th>
<th>T-VAH</th>
<th>1-6, 8-11</th>
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<tr>
<td>Research in Pathology BMS 8661</td>
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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 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:

- 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 research assignments.
- 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 course director prior to scheduling.

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**Path**

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**Messina, Jane**

**Contact:**
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. Any core or affiliate faculty member of the USF Department of Pathology can supervise the student during this elective.

**Objectives:**
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:
Conduct investigative work in human or experimental pathology under the supervision of the senior investigator.

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 (if other than the course director) at the beginning of the academic year.

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<td>Faculty Indep Study</td>
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Protect

Click here for additional course information

Contact: Tammy Winterhalt

Tammy.Winterhalt@lvhn.org

(484) 862-3149

Report to: On the first day after Pediatrics Morning Report, call Jennifer Redmond, CAC Office Coordinator, at (484) 633-0935. She will direct you to call the Report to:

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

6th Floor (directly off the Green Elevators).

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 in response to allegations of child abuse

7. Understand the other specialties such as radiology, ophthalmology, neurosurgery, trauma medicine, etc. that are involved in child protection evaluations

8. Describe community based partners such as CYS, Law Enforcement, District Attorney’s Office, and their respective roles in the investigation of child abuse and neglect

9. Recognize the role of the Child Advocacy Center and Child Protection Team in the evaluation and investigation 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 present their findings during the rotation. The topic will be selected by the student in discussion with the faculty preceptor.

Patient Encounters:

Evaluation will be completed by Dr. Esernio-Jenssen.

Syllabus:
Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

Peds
MDE 8430
Pediatric Endocrinology

Course Information:

Contact:
Dr. 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:
Will be 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 and diseases in children and adolescents.

Objectives:
Students will gain an understanding of the management of common and complex endocrine disorders in children of all ages. Students will understand the appropriate laboratory/diagnostic tests necessary to diagnose and evaluate common endocrine diseases in children.

Students will be expected to attend regularly scheduled research conferences and clinical conferences as well as Pediatric Grand Rounds.

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:
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:

Students will also rotate at Children's Medical Services.
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 have opportunities 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 disease process
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 observation of patient and family interactions. Student will also be scheduled to make a presentation at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:
Direct 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:
Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions:
This elective is designed to introduce students to the field of child neurology. Under the supervision of clinical faculty, students will enhance their ability to perform neurological examination in young patients and interpret its significance.

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. Indications and selective use of neurodiagnostic studies such as electroencephalogram, electromyography, and nerve conduction study.
6. Diagnose and understand the pathophysiology of, and know how to manage common neurological conditions of infants and children.
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:

Evaluation 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.

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<thead>
<tr>
<th>Peds</th>
<th>MDE 8470 Child Neurology</th>
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<tr>
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<td>1 - 11 Yr 4 Status</td>
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Contact:
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
Pediatric Neurology office located at 1210 S. Cedar Crest Blvd, Suite 2400, on the Cedar Cres.

Description:
This course will expose the student to various neurological disorders in infants and children.

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 the rotation and will review with the rotation leader.
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 site.
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 and pain management. 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 and develop a plan to manage pain.
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 student will work with the PICU physicians though there may not be sedations scheduled on those days.
Patient Encounters:

Evaluation: Student will be given feedback during the rotation from sedations doctors based on the above.

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions: N/A

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<tr>
<th>Peds</th>
<th>MDE 8361 Pedia tri c Pharma cology</th>
<th>LVH-CC 1 - 11 Yr 4 Status 1 0 40 4 Wheat ley, Kristin</th>
<th>Clinical</th>
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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.

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

Report to: Pharmacy Administration Office
Lehigh Valley Hospital
1200 S. Cedar Crest Blvd
Allentown, PA 18103

Visiting Students: Yes. Apply via Lehigh Valley Network on VSAS.
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 (prescription) drug therapy, 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:

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.

Contact:

Dr. Dan Mauriello
(727) 767-4106
Sara Mastry
(727) 767-4106

For questions if not able to reach the above contact:

Pediatrics

MEL 7103 Pediatric Cardiology

ACH 1 - 11 Adult Med or Mat Newborn

2 0 44 4 Mauriello, Dan

Clinical

Click here for additional course information

Peds

MEL 7103 Pediatrics Cardiology

ACH 1 - 11 Adult Med or Mat Newborn

2 0 44 4 Mauriello, Dan

Clinical
Description: Principles of pediatric cardiology will be taught in outpatient and inpatient encounters at ACH-JHM. As a free-standing specialty, 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 defect, valvular heart disease, tetralogy of Fallot, hypoplastic left heart syndrome, transposition of the great arteries, and right ventricular outflow tract obstruction, conotruncal lesions, single ventricles, and cyanotic congenital heart disease
3. Understand the basic principles of electrocardiograms and be able to interpret and have a treatment strategy for basic arrhythmias

Rotation Activities:
Students will attend daily cardiology clinics at All Children’s Hospital Johns Hopkins Medicine. Emphasis will be placed on the role of electrocardiographic and echocardiographic imaging in the evaluation and management of various forms of congenital heart disease. Principles in cardiac electrophysiology and anatomy will be taught using electrocardiography and echocardiography.

Students will participate in the work-up and care of cardiac patients including those admitted for diagnostic cardiac catheterization. The student will be expected to round and follow patients assigned to the cardiology team throughout the clerkship rotation.

Students are expected to participate in weekly conferences including cardiology specific conferences as well as resident noon conferences, JHUSOM Pediatric Grand Rounds and ACH-JHM Grand Rounds.

1. Outpatient cardiology clinics
   – daily cardiology clinics are held at All Children’s Hospital in St. Petersburg and multiple outpatient care centers (Tampa, USF, Sarasota, Pasco, Brandon, Lakeland, East Lake and Ft. Myers).

2. Inpatient Service
   – Students will participate in work-up and care of cardiac patients including those admitted for diagnostic cardiac catheterization. The student will be expected to round and follow patients assigned to the cardiology team throughout the clerkship rotation.

3. Sub-specialty rotations
   – all students will observe at least one of the following: open heart surgery and learn about cardiopulmonary bypass, cardiac catheterization and imaging, and lead electrocardiogram and 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 clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Special Instructions:

| Peds | LVHN | 1 - 11 | 1 | 0 | 40 | 2 | Clinical |
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 both innocent and pathologic murmurs.
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 disease and acquired heart disease in patients from a fetus until eighteen years of age.
7. Student will see patients in an outpatient setting and will participate in history taking and performance of physical examination. Student 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. Student may join one of the cardiologists for inpatient rounds at Lehigh Valley Hospital campus. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:
Upon completion of this elective, student should understand the principles and diagnosis of most common congenital heart and acquired pediatric cardiology issues 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. Evaluation will be provided by attending pediatric cardiologists and the clinical staff, will complete the student’s evaluation form and will return to the medical school.
Syllabus:

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

Special Instructions:
N/A

Peds MDI 8400 AI-Inpatient Pediatrics

Contact: Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

After attending Pediatrics Morning Report on the first day, report to the Pediatric Inpatient Unit 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 affecting their physical, emotional, and social development. 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 with various diagnostic and therapeutic problems.

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 sent 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; as will attend Pediatrics Morning Report on Monday and Thursday mornings 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:

Lehigh Valley Network on VSAS.

Special Instructions:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Syllabus:

Special Instructions:

N/A

Contact:

Chief Resident
usfedichiefs@gmail.com
(813) 259-8752
Dr. Shaila Siraj
ssiraj2@jhmi.edu
Gwen Harmon
gharmon2@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: Will be 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 a specific inpatient unit. 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.

Objectives: The goal of this rotation is to offer the student a period of intensive exposure to inpatient general pediatrics by permitting the student maximal responsibility for patient cares in a supervised setting.

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:
- The student’s written histories and physical examinations, problem list, and plans of evaluation will be evaluated.

Syllabus:
- Visiting Students: No

Special Instructions: Night call is no more frequent than every 4th night.

Contact:
- Chief Resident: usfpedichiefs@gmail.com
  (813) 259-8752
- Dr. Melinda Murphy
  mshiver@health.usf.edu
  (813) 259-8752
- 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.
The inpatient pediatric course is presented to give the student an experience in the management of children with problems of varying types. 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 venip.
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 encounter at the end of the rotation.

Patient Encounters:

Evaluation:
The student’s performance will be evaluated by observing development of clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
Apply via [USF Health Morsani College of Medicine on VSAS](https://www.usf.edu/medicine/education/undergraduate-program).

Special Instructions:
N/A

<table>
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<tr>
<th>Peds</th>
<th>MEL 7563 Pediatric Nephrology</th>
<th>ACH 1 - 11</th>
<th>Adult Med, Pri Care, or Maternal Newborn</th>
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<th>44</th>
<th>2,4</th>
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<th>Clinical</th>
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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: provided one week prior to the start of the rotation

Description:
The elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of renal disease, including factors that can cause 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:
The students will provide inpatient (TGH and /or ACH) and outpatient (USF Clinics) care under close faculty supervision. The students will also participate in grand rounds, lectures and presentations. They may provide a case presentation of one patient or discuss a topic of interest 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:
No

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.

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<tr>
<th>Peds MEL 7563 Pediatric Nephrology</th>
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<th>2.4</th>
<th>Campo, Alfonso</th>
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**Description:** This elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of renal disease, and how the mechanisms impact 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 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. 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.**

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<tr>
<th>Peds</th>
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<th>44</th>
<th>4</th>
<th>Chinna karuppam, Nachanmai</th>
<th>Clinical</th>
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**Contact:** Tammy Winterhalt  
Tammy.Winterhalt@lvhn.org  
(484) 862-3149

**Report to:** NICU, 4th floor Jaindl Pavilion  
8:00 AM on first day of rotation

**Description:** Students will participate as members of the NICU clinical team consisting of faculty attendings, for medical students/residents, biweekly morning report case conference and weekly Pediatrics Grand Rounds.

**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, Xray rounds, pediatric didactic lectures, grand rounds
5. Assist and do procedures under supervision

**Patient Encounters:**
**Evaluation:** 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 Instructions:** NRP Certification Required

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**Peds**

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**Visiting Students:**
Lehigh Valley Network on VSAS.

**Special Instructions:** NRP Certification Required

**Contact:**

Tina Ho
thaoho@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: provided one week prior to the start of the rotation

**Description:**

**Objectives:** The objective of this elective is the development of clinical expertise in the management of disorders of the neonate. Students will participate as members of the NICU clinical team consisting of faculty attending,

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**TGH**

**Yr 4**

**Status**

**Ho, Tina**

Clinical
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 Certifications Required

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<th>Peds</th>
<th>MCAH</th>
<th>MEL</th>
<th>Pri Care</th>
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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: 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 clinic. The program is designed to complement training in internal medicine and psychiatry and will familiarize students with the multidisciplinary care involved in the management of insulin dependent diabetes. The program will provide didactic learning opportunities within the pediatric endocrine service and the Clinical Diabetes Education Center staff will provide specific education about the techniques required for home management of type 1 diabetes.

Objectives:

The objective is to provide clinical exposure to childhood diabetes and improve understanding of the basic clinical disorder and the problems associated with routine home 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:

Click here for additional course information
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 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.

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<tr>
<th>Peds</th>
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<th>STC 1-11</th>
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<th>mick, John</th>
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</table>

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: information provided one week prior to the start of the rotation

Description: The elective is designed to introduce senior students to the specialty of Internal Medicine-Pediatrics.

Objectives:
1. Evaluate and treat common acute problems encountered in adults and children in a primary care setting.
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: Senior medical students will see patients in the Internal Medicine-Pediatrics combined clinic.

Click here for additional course information
Patient Encounters:

Evaluating as well as summative final assessment will be provided by supervising faculty. Students will also be required to prepare and present a primary care topic during their rotation.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

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 Pediatric inpatient service and outpatient clinic. The student will have the opportunity to develop skills in the management of a wide variety of pediatric medical problems. Attendance at Pediatric Grand Rounds and scheduled conferences is required.

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

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**Peds**

MEL 8554
Primary Care Pediatrics

LVHN 1 - 11
Yr 4
Status 1 0 40-44 4
Brown, Kimberly
Clinical

**Contact:**

Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

**Description:**

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:**

Direct patient care of both well and sick patients in 2 outpatient settings. Option to participate in specialty clinics.

**Patient Encounters:**

Evaluation by the supervising physicians in the Children’s Clinic and LVPG Pediatrics.
Description:
The senior medical student will participate in both inpatient and outpatient clinical duties involving HIV infection in infants, children, and adolescents. The student will be exposed to a wide variety of clinical presentations and management of HIV-infected patients, as well as to the latest advances in HIV clinical care. In addition, the student will have the opportunity to participate in a supervised outpatient, inpatient, and laboratory setting.

Objectives:
Offer the student a period of intense exposure to HIV infection in infants, children, and adolescents. Provide the student with the opportunity to participate in a supervised outpatient, inpatient, and laboratory setting. Encourage participation in small pilot projects under the mentorship of a faculty member.

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:
Evaluation:
The student’s history and physical examinations, generation of problem lists, and plans for evaluation and treatment will be reviewed. The student’s participation in teaching rounds, journal clubs, and conferences will also be evaluated.

Contact:
Dr. 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

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.

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. Students will have the ability to participate in other settings related to the care of this population of children.

Patient Encounters:
Students will attend the weekly multidisciplinary patient care and teaching rounds and monthly tumor board. Students will have the ability to participate in other settings related to the care of this population of children.

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:**

Students select a 2 week rotation may only have 1 day of absence excused.

Transportation may be needed for travel between hospitals and clinics.

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<thead>
<tr>
<th>Peds</th>
<th>MEL 8568 Pedi Hematology-Oncology</th>
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<tr>
<td>TGH 1-11 Pri Care, Mat Newborn</td>
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</table>

**Contact:**

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: 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 new patients.

The student will attend the weekly multidisciplinary patient care and teaching rounds and more.

**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:**
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 MEL 8568 Pedi Hematology-Oncology

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<tr>
<td><strong>Contact</strong></td>
<td>Tammy Winterhalt</td>
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<td><a href="mailto:Tammy.Winterhalt@lvhn.org">Tammy.Winterhalt@lvhn.org</a></td>
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**Report to:** Dr. Felipe Bautista after attending Pediatrics Morning Report on the first day, at the outpatient clinic (Children's Pavilion) at 1210 Cedar Crest building. On subsequent days the student will report to the attending who is on service at 8AM.

**Description:**
The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings. 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 attend tumor board and time each day rounding and doing procedures on the inpatient unit. In the afternoon student will attend tumor board.

**Patient Encounters:**

**Evaluation:**
The student will be evaluated on multiple aspects of patient care and clinical performance during the rotation. The student's evaluation will be provided by the team from the rotation, as well as feedback from the student's medical school at the end of the rotation.
Yes. Apply via 
Lehigh Valley Network 
on VSAS.

Special Instructions:

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL85 70Genetics</th>
<th>TGH</th>
<th>1 -11</th>
<th>Pri Care or Mat Newborn</th>
<th>1</th>
<th>0</th>
<th>44</th>
<th>4</th>
<th>Ranells, Judith</th>
</tr>
</thead>
</table>

Contact:
J. 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:

Objectives:
The goal of this elective is to acquaint the student with genetic and metabolic disorders in pediatrics.

Rotation Activities:
Students will typically attend Genetics/Metabolic Clinics Monday, Tuesday, and Thursday at the Children's Medical Group and other scheduled. They will also be expected to give a 10-15 minute presentation at the end of the rotation on a selected topic.

Patient Encounters:

Evaluation:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise.

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 (Tampa General Hospital, South Tampa Center, and Children's Medical Services).

Contact:
Dr. 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: 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 attend the pediatric residency’s daily noon conference.

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: at least 4 weeks prior to the start of the elective

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 MEL 8573 (Pedi Allergy &amp; Clinical Immun)</th>
<th>ACH 1-11 Yr 4 Status 2 0 44 4 Leiding Jennifer Clinical</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

**Report to:**

Division of Allergy/Immunology

Children’s Research Institute (Band-Aid Building) at ACH 8:30 AM

**Description:**

This 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.

**Objectives:**

1. Expose the student to clinical allergy immunology through supervised patient care responsibilities
2. Learn about the performance and interpretation of allergy skin testing, spirometry, tympanometry, rhinoscopy, food challenge procedures, immunotherapy to aeroallergens, and drug desensitization
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:

Special Instructions:

| Peds | MEL 8574 Pediatric Pulmonary Disease | ACH 1-5, 7-10, 10-11 | Pri Care or Mat Newborn | 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

Report to 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 principles presented by 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
Rotational 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 taking care of the child with chronic respiratory problems such as having 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:

No

Special Instructions:

Transportation may be needed for travel between hospitals and clinics.

<table>
<thead>
<tr>
<th>Peds</th>
<th>MEL 8574 Pediatric Pulmonary Disease</th>
<th>TGH 1-5, 7-8, 10-11</th>
<th>Pri Care or Mat Newborn</th>
<th>1</th>
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<th>40-44</th>
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<th>Colon Cortes, Yanerys</th>
<th>Clinical</th>
</tr>
</thead>
</table>

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 to:

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.

TGH: 1-5, 7-8, 10-11

Pri Care or Mat Newborn: 1

Colon Cortes, Yanerys: Clinical
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 principles presented by 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 and the use of informal quizzes.

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.

**Contact:**
Tammy Winterhalt
Tammy.Winterhalt@lvhn.org
(484) 862-3149

**Report to:**
On the first day after attending Pediatrics Morning Report, the student will report to the Pediatric Pulmonology office at the Children’s Subspecialty Center, 1210 S. Cedar Crest Blvd., Suite 2700, Allentown, PA 18103 on the Cedar Crest campus.

**Description:**
This elective is designed to introduce medical students to the field of pediatric pulmonology. Students will see patients with respiratory disorders and will participate in the diagnostic and management process. As a result, students will develop skills in communication, teamwork, and patient assessment.

<table>
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<tr>
<th>Peds</th>
<th>MEL 8574 Pediatric Pulmonary Disease</th>
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<tr>
<td>LVH-CC</td>
<td>Yr 4</td>
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</table>
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 principles presented by 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:
This elective will involve working with a multidisciplinary team that will provide experience in evaluating and managing complex pediatric respiratory cases. The student will be scheduled to present an interesting case at Pediatric Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:
Student will be evaluated on clinical performance during this 4 week rotation. The student will have direct observation of clinical encounters. The program director, with input from the clinical team, will complete student's evaluation form and return to the medical school.

Syllabus:

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

Special Instructions:
N/A

Peds MEL 8575 Pediatric Intensive Care Click here for additional course information

LVH-CC 1 - 11 Yr 4 Status 1 0 40-44 4 Lindmark, Amy Clinical

Contact:
Tammy.Winterhalt@lvhn.org
(484) 862-3149

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 conditions. 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 opportunities during the rotation, students will participate in the Pediatrics Morning Report during this rotation. Medical students will be on call two to three times during the rotation.

Patient Encounters:

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:

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 conditions. The PICU integrates an 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 physician.
- Participates in 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.**

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**Table:**

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<tr>
<th>Peds</th>
<th>MEL 8575 Pediatric Intensive Care</th>
<th>TGH 1-11</th>
<th>Yr 4 Status 1 0 40-44 2,4</th>
<th>Weibley, Richard</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 using an 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.
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:

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 8577 Neonatology</th>
<th>ACH 1 - 11 Yr 4 Status 1 0 44 4 Go, Mitzi</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

- 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: will be 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:

Students will participate in simulated resuscitative scenarios. Students will attend the NICU follow-up clinic. Students will have the opportunity to follow nutritionally, developmentally, behaviorally, medically or other structured learning opportunities. 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 and aseptic technique, 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

<table>
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<tr>
<th>Peds</th>
<th>MEL 8579 Ped Gastroenterology/Nutrition</th>
<th>LVHN 1 - 11 Yr 4 Status 1 0 40 4</th>
<th>Paul, Adam</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Tammy Winterhalt

Tammy.Winterhalt@lvhn.org

(484) 862-3149

Report to: 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

3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal

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 pha
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, discu.

Patient Encounters:

Evaluations:
Students will be evaluated on multiple aspects of patient care and clinical performance during the rotation. Evaluations will be completed by the attending physician, nurse practitioner, or resident.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

Peds  MEL 8579 Ped Gastroenterology/Nutrition

Click here for additional course information

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. Student
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
3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal
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 pha
6. Summarize the principles of gastrointestinal surgery and be able to assess the risks and be

Rotation Activities:

Students will be expected to participate in clinical gastrointestinal rounds and Gastroenterol.
nts will observe diagnostic modalities such as endoscopy, manometry, esophageal dilation, s

Patient Encounters:

Evaluation:

The student will be expected to read about the diseases of their clinic and hospital patients. C

Syllabus:

Visiting Students:

Special Instructions:

Contact Dr. McClenathan prior to the first day of the rotation

Contact:

Wassam Rahman
wrahman2@jhmi.edu
Dr. Laleh Bahar-Posey
lbaharp@jhmi.edu
Danielle Wolfson, Emergency Admin Coordinator
dmeacha2@jhmi.edu
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, radiology rounds, chart review, plus 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:

<table>
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<tr>
<th>Peds</th>
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<th>TGH</th>
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<th>44</th>
<th>4</th>
<th>Gaar, Gregory</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Dr. Gregory Gaar
gregory_gaar@teamhealth.com
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: The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the

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 pati

Patient Encounters:

Evaluation: Evaluation of the student’s performance will be made by observing development of his/her cl.

Syllabus:

Visiting Students:

Special Instructions:

Peds | MEL 8582 Pediatric Infectious Diseases | ACH 2-11 | Pri Care or Mat Newborn 2 | 0 | 40-44 | 4 | Berma n, David | Clinical

Contact: David Berman dbirma19@jhmi.edu (813) 259-8725 A CH GME

Click here for additional course information
Description: This 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 of the student’s performance will be made by observing development of his/her clinical expertise.

Syllabus:
Visiting Students:
Syllabus:
- No
Special Instructions:
- 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.

<table>
<thead>
<tr>
<th>Peds</th>
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<tbody>
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<td>or Mat Newborn</td>
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<tr>
<td>Bergamo, Dale</td>
<td>Clinical</td>
</tr>
</tbody>
</table>
Description: This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease 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: Please contact 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.**

| Peds MEL 8582 Pediatric Infectious Diseases Contact: | LVH-CC 1 - 11 Yr 4 Status 1 0 40-44 4 Villalobos, Tibusay Clinical |
|----|----|----|----|----|----|----|
Description: This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team.

Objectives:
1. Learn to take a complete and thorough history pertaining to common infectious diseases.
2. Demonstrate appropriate physical examination skills and ability to perform adequate assessment.
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 their impact on infection.
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. Students will have the opportunity to learn about the epidemiology of infectious diseases, the diagnosis and management of common infections, the appropriate use of antimicrobials and immunizations, and the principles of infection prevention and control.

Rotation Activities:
Students will join pediatric rounds each day with the Pediatric Infectious Disease team, including pediatric infectious disease specialists and allied health professionals. The rotation will include a variety of patient encounters, with a focus on hands-on learning and clinical experience. A short project or presentation is voluntary and up to the needs and interests of the student.

Patient Encounters:
Students will be evaluated on multiple aspects of patient care and clinical performance during the rotation. This includes direct patient care, presentation of cases, and written and oral presentation of cases.

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:
No night call is required.

**Students who select a 2 week rotation may only have 1 day of absence excused.**
Description:
This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to appreciate the unique medical and health needs of the adolescent population. They will increase their comfort level in communicating with teenagers, performing psychosocial risk interviews using the HEADDSS assessment, and providing preventive health anticipatory guidance for adolescents.

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
4. Perform a well adolescent physical and take on the role of primary care provider in working with specialists
5. Act as a subspecialist consultant for patients referred by outside primary care providers
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, sexual health, 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 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 health 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 is working 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 and the use of informal quizzes.

Evaluation:
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.
Prior approval required from the course director (Dr. Straub) prior to start of the elective.

| Peds | MEL 8583 Adolescent Medicine | LVHN 7 - 11 | Yr 4 | Status | 1 | 0 | 40-44 | 4 | Gomez DeJesús, Rosa | Clinical |

Contact:
Tammy.Winterhalt@lvhn.org
(484) 862-3149

Report to:
Adolescent Outpatient Office located at 401 North 17th Street, Suite 203, Allentown at the LVHN 17th & Chew campus

Description:
This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to gain a better understanding of the unique medical and health needs of the adolescent population.

Objectives:
1. Appreciate the unique medical and health needs of the adolescent population
2. Increase comfort level in communicating with teenagers, performing psychosocial risk assessment
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 with specialists
5. Act as a subspecialist consultant for patients referred by outside primary care providers, a
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, and others
7. Recognize the common problem of poor adherence among adolescents, and encourage activities to improve it
8. Improve communication with parents and families to help them understand normal adolescent development.
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: 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:

Syllabus:

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

Special Instructions:
- N/A

<table>
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<tr>
<th>Peds MEL 8629</th>
<th>ACH 1 - 11</th>
<th>Pri Care or Mat Newborn</th>
<th>Murphy, Tanya</th>
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<tr>
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</table>

Contact:
- Dr. Justyna Wojas
  - jwojas@health.usf.edu
- Dr. Tanya Murphy
  - tmurphy@health.usf.edu
- Amber Berkham, Admin
  - aberkha4@jhmi.edu
- (727) 767-8230
- ACH GME

Click here for additional course information
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 is designed to introduce senior medical students to the identification, evaluation, and treatment of children and adolescents with psychiatric disorders. The elective focuses on conditions such as Obsessive-Compulsive Disorder (OCD), Autism spectrum disorders, and Autoimmune Neuropsychiatric Disorders associated with Streptococcal Infections (PANDAS).

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.

Patient Encounters:

Evaluation: Observation and evaluation of student/patient interactions, case presentations, journal article discussions, and written assessments.

Syllabus:

Visiting Students:

Visiting Students must apply at least one month prior to the start of the elective.

Special Instructions: Transportation may be needed for travel between hospitals and clinics.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>Yr 4</td>
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<td>MEL 9999K</td>
<td>Indep Study - Pediatrics</td>
<td>Yr 4</td>
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<tr>
<td>Psy 8157</td>
<td>Adv in the Understanding of the Pathophysiology of Dementia</td>
<td>Yr 4</td>
<td>Status 10</td>
<td>0</td>
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</tbody>
</table>

**Objectives:**

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.

**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 the latest advances in the understanding of the pathophysiology of dementia. Topics will include underlying pathophysiology, genetics, diagnostic methods, treatment and prevention of dementia.
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 advances in the understanding of the development of mild cognitive impairment. There will be an opportunity for interested students to get clinical exposure to patients with cognitive impairment.

Patient Encounters:
N/A

Evaluation:
1. 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. Faculty will complete a checklist providing feedback on the quality of the presentation.
3. Professionalism and group participation will also be assessed throughout the elective.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

<table>
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<th>Psych</th>
<th>MDE 8811 Integration of Brain Networks</th>
<th>T-VAH 8B</th>
<th>Yr 4 Status</th>
<th>8</th>
<th>2</th>
<th>40</th>
<th>2</th>
<th>Kozel, Frank</th>
<th>Basic Science</th>
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</thead>
<tbody>
<tr>
<td>Contact:</td>
<td><a href="mailto:pcrump@health.usf.edu">pcrump@health.usf.edu</a></td>
<td>(813) 974-5368</td>
<td></td>
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<tr>
<td></td>
<td>Dr. Frank Kozel</td>
<td>(813) 972-2000 ext. 5289</td>
<td></td>
<td></td>
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<tr>
<td>Report to:</td>
<td>JAHVA Hospital</td>
<td>Building 68, Room 227</td>
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</tr>
</tbody>
</table>
The course will provide a conceptual framework to think about brain disease following the NIMH Research Domain Criteria (RDoC). The new model will be used as a guide to examine the etiology and management of brain disorders. Students will be required to present a small conceptual paper on a topic of their choice related to course materials.

Objectives:

- At the end of the course 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 research.
  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:

- Visting Students:

- Special Instructions:

Contact:

Pat Crump  
pcrump@health.usf.edu  
(813) 974-5368

Dr. Cory Klippel  
Cory.Klippel@va.gov
Description:
This elective gives the student the unique opportunity to participate in the evaluation, diagnosis, and short-term management of psychiatric emergencies. Students will be exposed to a variety of psychiatric conditions and will learn to manage acute psychiatric crises. The rotation will include supervised clinical interviews with patients in the acute crisis setting, as well as participation in 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. Participate in 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.

**Syllabus:**

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

**Special Instructions:**

<table>
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<tr>
<th>Psych</th>
<th>MEL</th>
<th>UPC</th>
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<th>2,4</th>
<th>Stock, Saundra</th>
<th>Clinical</th>
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</thead>
</table>

**Contact:**

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

**Description:**
This elective is designed to provide interested students with clinical and didactic training in outpatient psychiatry.

**Objectives:**

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.

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 attend supervision.

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 8109 Outpt Psych Syllabus.pdf

Visiting Students:
Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

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<th>MEL 8602 Child &amp; Adolescent Psychiatry</th>
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<th>40</th>
<th>2.4</th>
<th>Stock, Saundra</th>
<th>Clinical</th>
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</thead>
</table>

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Saundra Stock
sstock@health.usf.edu
(813) 230-8422

Report to:
Silver Child Development Center
7:50 AM on first day
3515 E. Fletcher Ave
Tampa, FL 33613

Description: This elective is designed to provide the interested student with an opportunity to develop dia,

Objectives: at the end of the rotation students will be able to:
1. Describe how to evaluate and diagnose common psychiatric and behavioral disorders in cli
2. Discuss the role of psychotherapy including individual and family therapy in the treatment
3. Discuss legal and ethical aspects of psychiatric care for children and adolescents including
4. List community agencies available to help children with psychiatric and behavioral proble

Rotation Activities: Students will see new and established patients and families in conjunction with psychiatry re

Patient Encounters:
Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elec.

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:

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<th>LVH-M</th>
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<th>44-50</th>
<th>4</th>
<th>Maru, Siddhartha</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Click here for additional 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 necessary to evaluate and diagnose psychiatric problems including common behavioral disorders in children. Students will become familiar with community agencies available to help children with psychiatric and behavioral problems. Students will become more familiar with the general practice of child psychiatry.

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 problems
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 become familiar with the management of their patients' care. 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:

No

Special Instructions:

Prior approval of Drs. Gomez, Campion, and Martin required at least four months prior to the start of the elective.

<table>
<thead>
<tr>
<th>Psych</th>
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<th>1 -11</th>
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<th>44</th>
<th>2.4</th>
<th>Fils, Jean</th>
<th>Clinical</th>
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</table>


Description:

This elective is designed to provide interested senior medical students with an advanced experience in the evaluation and management of psychiatric disorders in the elderly population. The program aims to enhance students' knowledge and skills in 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 caregivers

Rotation Activities:

The student will spend the majority of the elective at the Memory Disorders Clinic at the Psychiatry Center. The student will also have opportunities to observe and participate in clinical activities at the unit within the nursing home as relates to the geriatric population. 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 participate in a self-evaluation of what he/she learned on the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

Yes.

Apply via USF Health Morsani College of Medicine on VSAS.
**Special Instructions:**

**Psych**

| MEL 8611 | T-VAH | 1-11 | Adult Med, Psych /Neuro | 2 | 0 | 40-50 | 4 | Stock, Saundra | Clinical |

**Special Instructions:**

Contact:

pcrump@health.usf.edu

(813) 974-5368

**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...comprise discharge summaries. Close supervision, seminars, and independent study will complement the clinical activities.

**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

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...independent study. 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:

Some rotations can accommodate 3 students. An additional spot can be requested via drop/add.

<table>
<thead>
<tr>
<th>Psych</th>
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<tbody>
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<td>1 -11</td>
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<td>Status</td>
<td></td>
</tr>
</tbody>
</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...consultants, 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:

Special Instructions: Drs. Karper, Primelo, and Martin required at least four months prior to the start of the elective.

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 and established patients will occur in conjunction with faculty.

Patient Encounters:

Evaluation:

The supervising faculty will evaluate the student’s clinical performance according to the elective objectives. In addition, each student will carry out self-evaluation activities, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Part of the rotation will also be at the University Psychiatry Center.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Code</th>
<th>Title</th>
<th>Credit</th>
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<td>MEL 8613</td>
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<td>1 - 11</td>
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<td>44</td>
</tr>
</tbody>
</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 rehabilitation of alcoholic and substance-dependent patients. The student will have the opportunity to participate in ongoing addiction research activities.

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, the student will be required to perform a self-evaluation of what he/she learned in the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

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

Special Instructions:

N/A

Contact:

Pat Crump
pcrump@health.usf.edu
(813) 974-5368

Dr. Kimberly Hartney
(941) 276-3759

Report to: Tampa General Hospital

2nd Fl
7:30 AM
(813) 844-7545 or (813) 844-7950

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 medicine with a heavy emphasis on 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

Rotation Activities:
1. Perform psychiatric consultations for patients on medical and surgical floors conducting I
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:

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<tr>
<th>Psych</th>
<th>MEL 8614 Adv Adult Psych Consults</th>
<th>T-VAH</th>
<th>Adult Med, Psych /Neuro</th>
<th>2</th>
<th>0</th>
<th>44-50</th>
<th>2,4</th>
<th>Sullivan, Gregory</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
pcrump@health.usf.edu
Description: This elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, focusing on psychiatric diagnoses commonly encountered in the medically ill population.

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 other medical teams and disciplines

Rotation Activities:
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.

Syllabus: MEL 8614 syllabus AI - CL Psychiatry.pdf

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

**Special Instructions:**

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<th>Maru, Siddhartha</th>
<th>Clinical</th>
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</thead>
</table>

**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 specialties, 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:**

No
Special Instructions:

Prior approval of Dr. Martin required at least four months prior to the start of the elective.

<table>
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<tr>
<th>Psych</th>
<th>MEL 8626 Neurostimulation in Psych</th>
<th>T-VAH 1 -11 Psych /Neuro 1 0 40 2,4</th>
<th>Currier, Glenn</th>
<th>Clinical</th>
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Contact:

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

Report to:

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. The elective will provide students with 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, 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. Students will observe and participate in the treatment of psychiatric patients with various forms of neural stimulation.
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:
Please obtain required reading from Pat Crump before the rotation starts. Part of the rotation will occur at Memorial Hospital.

<table>
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<tr>
<th>Psych</th>
<th>MDR 8840 Psychiatric Research</th>
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<tbody>
<tr>
<td>T-VAH</td>
<td>1 -11 Status 1 0 44 4 Stock, Saundra Research</td>
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Contact:
Pat Crump
pcrum@health.usf.edu
(813) 974-5368

Dr. Glenn Catalano
Glenn.Catalano@va.gov
(813) 382-8959

Report Add
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.

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 in an area of particular interest to the student under the supervision of the research supervisor. The student will describe the approach to research in the chosen area as well as the time spent on this activity. 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
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. The evaluation will include a written report by the research supervisor, a review of the student’s research progress and quality, and an assessment of the student’s ability to work independently and collaboratively.

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.

<table>
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</table>

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 allow a medical student to work closely with an attending pediatric radiologist in a busy pediatric radiology setting. The student will have the opportunity to observe and assist in the diagnosis and treatment of pediatric patients using a variety of imaging techniques. The student will also have the opportunity to learn about the role of the radiologist in the multidisciplinary management of pediatric patients.
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:
The student will gain one-on-one didactic and practical experience and training in the correct ordering, protocoling and nuclear medicine when applicable to the pediatric patient. The rotation will include interdepartmental conferences.

Patient Encounters:

Evaluation:

Students will be evaluated based on feedback from the various attending radiologists who interact with them.

Syllabus:

Visiting Students:

Special Instructions:

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<th>Decker, Summer</th>
<th>Basic Science</th>
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</thead>
</table>

Contact:

McArthur

Medical Education Coordinator
d
mcarthur@health.usf.edu

Dr. Summer Decker
decker@health.usf.edu
Dr. Jonathan Ford  
jford@health.usf.edu

Description: This elective is designed to provide students with a self-study program in radiological anatomy as it relates to medical imaging modalities. The elective 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 extremity, 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).

Syllabus:

Visiting Students:
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 re.

Radiology   MDE 8772 Breast Imaging  MCC 2-11  Yr 4 Status 1 0 40 2.4  Falcon, Shannon

Contact: Destiny McArthur  
Medical Education Coordinator
Description:
This elective is designed to introduce senior medical students to the role and practice of breast imaging. Students will gain an understanding of the effects of screening mammography on population based survival rates and the current recommendations for screening mammography. Students will develop a sound understanding of how to interpret a screening mammogram using the BI-RADS lexicon. Students will discuss the most common pathologic entities of the breast, understand when a diagnostic mammogram, ultrasound or MRI is indicated in the evaluation of the breast, observe mammograms and breast ultrasounds being performed and interpreted, understand the strengths and limitations of the various breast imaging techniques, describe image guided breast procedures and their indications, develop an understanding for the interdisciplinary environment of breast care with radiologists, clinicians and surgeons, including attending weekly tumor board conference, follow a patient from image guided needle localization to lumpectomy, and 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 at Moffitt Cancer Center. Rotation will be provided one week prior to the start of the rotation.

Patient Encounters:
The student will work closely with the attending radiologists who will provide the assessments.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
**Description:** A two-week elective is designed specifically for third-year medical students to provide an introduction to diagnostic imaging.

**Objectives:**
1. The medical student will develop an appreciation of the complexity of diagnostic imaging, including an understanding of the types of studies 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 images: increased intracranial pressure, space-occupying lesions, bone, fracture, elbow joint effusion, and shoulder dislocation.

**Rotation Activities:** Attend weekly lectures, participate in rotation assignments, and presentation.

**Patient Encounters:**

**Evaluation:** Students are evaluated based on daily attendance, skills in presenting an imaging case, and by a written evaluation at the end of the course from each rotation week.

**Syllabus:**

**Visiting Students:**

**Special Instructions:** Enrollment will be subject to availability and will require prior approval of the director.
Medical Education Coordinator

dmcarthur@health.usf.edu

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

Description: This elective is designed to introduce senior students to the practice of neuroradiology, including computed tomography, magnetic resonance imaging, cerebral angiography, and other advanced techniques.

Objectives: On this elective, the medical student will obtain:

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, neoplastic, infection, etc.
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: The student will review neuroimaging studies with neuroimaging faculty and diagnostic radiology housestaff at the University of South Florida College of Medicine. They will have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at Tampa General Hospital.

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.

Special Instructions:

Contact:

Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu
Report to:

Dr. Zwiebel/Dr. Davis

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. During this elective, a project will be undertaken under the supervision of one of the instructors.

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:

Radiology
MEL 77
Interventional Radiology

MCC 2-11
Yr 4
Status 1 0 44 2,4 Biebel, Benjamin
Clinical

Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Description:
This elective experience is designed to introduce the medical student to diagnostic, therapeutic, and palliative aspects of oncologic 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.

Suggested Literature: Handbook of Interventional Radiologic Procedures – Kandarpa

Visiting Students:
No

Special Instructions:
N/A

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.

Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Report to:
Will be provided one week prior to the start of the rotation.
5. A basic understanding of technique and indications for arthrography, bone biopsy, and other invasive procedures.

Rotation Activities:
The student will 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:

Contact:
Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

Report to:
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

Objectives:
1. Students will develop a basic understanding of radiation safety and the risks of radiation exposure, and become familiar with methods used to reduce radiation exposure.

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 conditions on appropriate imaging studies:
   - Increased intracranial pressure, space occupying lesions
   - Bone, fracture
   - Elbow joint effusion
   - Shoulder dislocation

Student will spend three weeks at Tampa General Hospital and one week at the Morsani Center for Advanced Healthcare on the USF campus.
**Rotation Activities:**

The student will rotate through the following subspecialty areas of diagnostic radiology: body imaging, cardipulmonary radiography, computed tomography, and magnetic resonance imaging. A final exam will be given at the end of the elective.

**Patient Encounters:**

The student will work closely with attending diagnostic radiologists and housestaff who will provide assessment of both written questions and images. 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 given on a universal date in April.

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<th>Radiology</th>
<th>MEL 8704</th>
<th>LVH-CC</th>
<th>Yr 4 Status</th>
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</table>

**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 radiologists. The student should also feel more comfortable identifying which examination is appropriate for a given clinical situation.

**Objectives:**

1. Students will develop an appreciation of the broad services a modern diagnostic radiology department provides, including the utilization of 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.
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

radiology

MEL 8707
Cardiotoracic Radiology

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 an understanding of imaging diagnosis of chest diseases on radiography, computed tomography, and magnetic resonance imaging.

Objectives:

On this elective, the medical student will obtain:

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 in the chest

Rotation Activities:

The student will review cardiothoracic imaging studies with faculty and diagnostic radiology housestaff at Tampa General Hospital. This will include an understanding of imaging diagnosis of chest diseases on radiography, computed tomography, and magnetic resonance imaging.

Patient Encounters:

Evaluation:

The student will work closely with the attending radiologists and housestaff who will provide
**Syllabus:**

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

**Special Instructions:**
N/A

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<th>Clinical</th>
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</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 abdominal imaging, including ultrasound, computed tomography, and magnetic resonance imaging.

**Objectives:**
On this elective, the senior medical student will obtain:

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 in the abdomen and pelvis

**Rotation Activities:**
Review body imaging studies with faculty and diagnostic radiology housestaff.

**Patient Encounters:**
Evaluation will work closely with the attending radiologists and housestaff who will provide

**Evaluation:**
The student will work closely with the attending radiologists and housestaff who will provide
Visiting Students: Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

**MEL 8711 Body Imaging**

*Click here for additional course information*

**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 gain a fundamental understanding of body imaging with respect to pertinent normal anatomy and the ability to discuss the most common pathologic entities of the abdomen and pelvis. A basic technical understanding of ultrasound, CT, and MRI will be obtained, as well as an understanding of the indications for ultrasound as well as body CT and MRI. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures will also be covered.

**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 at Tampa General Hospital. They will also participate in the process of imaging diagnosis of abdominal and pelvic diseases on ultrasound, computed tomography, and magnetic resonance imaging.

**Patient Encounters:**

The student will work closely with the attending radiologists and housestaff who will provide

**Syllabus:**

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

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### Radiology

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### Surgery

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**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. 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 service experience and 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:**

**Special Instructions:**

<table>
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<th>Surgery</th>
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**Contact:**
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

**Report to:**
Report 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 the division personal goals as this wide ranging field encompasses multiple complex surgeries and disease processes.

**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 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.
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. Additional experiences are also provided. 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 pathophysiology related to traumatic, oncologic and reconstructive issues. The student will be involved in the performance of 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:
Yes. Apply via Lehigh Valley Network 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: The student will participate in a busy service with colon-rectal surgery residents. This rotation addresses common colorectal diseases and conditions, including inflammatory bowel disease, diverticular disease, and colorectal cancer. Students will have the opportunity to participate in colonoscopies, perform biopsies, and observe or participate in colorectal procedures.

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:
Evaluation: Students will be evaluated based on their ward performance.

Syllabus:

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

Special Instructions: N/A

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Contact: Margaret Child
mmchild@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 general surgery. Anatomic dissections will take place 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
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 for the course. Evaluation includes:

Laboratory - 60%
Weekly Quizzes - 20%
Post test - 20%
Total - 100%

Syllabus:

Visiting Students: No

Special Instructions: N/A

| Surgery | MDT 8600B Intro | TGH | 1-12 | None, Yr 3 only | 3 | 0 | 70-80 | 2 | Sanchez, Jaime | Clinical |
to Surg Subspecialties

Click here for additional course information

Contact: Margaret Child
mmchild@health.usf.edu

Report to 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, clinic, and rounds. 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: No

Special Instructions: N/A

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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 including evaluation in the operating room and clinics. 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

Rotation Activities:
- Operating Room and Clinics

Patient Encounters:

Evaluation: Evaluation will be completed by direct observation. There will be no examination.

Syllabus:

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

Special Instructions:

Surgery

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Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350

Report to: 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 including evaluation in the operating room and clinics. Students also participate in the outpatient follow-up care of the patients. No night call is required.

Objectives:
- 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. Additional experiences are available in the regional burn center.

**Patient Encounters:**

Evaluation will be completed by direct observation. There will be no examination.

**Syllabus:**

**Visiting Students:**

Lehigh Valley Network on VSAS.

**Special Instructions:**

N/A

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**Surgery**

**MEL 7805**

**Trauma Surgery AI**

Click here for additional course information.

**LVH-CC**

**1 -11**

**Yr 4**

**Status 1 0**

**60-70**

**4**

**Stirparo, Joseph**

**Clinical**

**Contact:**

Joseph Stirparo, MD

[Joseph_j.stirparo@lvhn.org](mailto:Joseph_j.stirparo@lvhn.org)

(610) 402-1350

**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 at LVHN Cedar Crest. Students will also see patients with GI bleeding. In addition students will participate in the care of patients that have blunt and penetrating trauma.

**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 in acute traumatic injuries.

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:

Visiting Students:

Lehigh Valley Network on VSAS.

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 the surgical ICU, focusing on patients with multisystem trauma, blunt and penetrating torso trauma, and GI bleeding. In addition, students will participate in the care of patients that have blunt and penetrating 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.
Visiting Students: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A

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Description: This intensive elective is designed for the fourth year medical students who has a desire to enter a general surgery program. The course will provide advanced laparoscopic and robotic skills, basic laparoscopic skills, chest tube placement, central line placement, airway management, and basic robotic 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 be exposed to 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: No.
### Surgery

#### MEL 7815

**Advanced Surgical Skills**

- **Click here for additional course information**

**Contact:**

Margaret Child

**mmchild@health.usf.edu**

**Report to:**

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

**Description:**

This is a one-month intensive intern boot camp course designed to prepare students entering a surgical residency or other surgical training programs. The course will focus on the surgical skills and knowledge necessary to manage surgical patients safely and effectively. Students will be exposed to surgical procedures, diagnostic tools, and patient management techniques.

**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. Feedback will be provided to students in the form of written evaluations and opportunities for self-reflection and discussion. At the end of the rotation, a summative evaluation will be submitted with each student's grade.

**Syllabus:**

- Visiting Students: No

**Special Instructions:**

N/A
Surgical Transplant Elective

Contact: Margaret Child
mmchild@health.usf.edu

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

Description: The elective is designed to offer students active participation in organ procurement, preservation, and transplantation.

Objectives: Students will receive an overview of all aspects involved in liver and renal transplantation, from organ 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, and gain experience in the area of transplantation immunology, tissue typing, and the concepts of histocompatibility antigens.

Patient Encounters: Students will be directly involved with the evaluation and work-up of possible renal and liver transplant recipients, 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:
No

Special Instructions:
N/A

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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: 
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, ... and experience in the area of transplantation immunology tissue typing and the concepts of histocompatibility antigens. 

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: 
N/A 

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</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: 
This is a clinical rotation that includes graded responsibility, as well as regular formal instruction on the care of patients who have had organ transplants. 

Objectives: 
Students will be assigned primarily to the unit at LVHN-Cedar Crest with the possibility of occasional visits to other sites. 

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 and surgical procedures with an emphasis on fluid and electrolyte balance.

Rotation Activities: assisting a dedicated team provide surgical critical care to patients with critical illnesses.

Patient Encounters:

Evaluations: Students will be evaluated based on their clinical performance.

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions:

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</table>

Contact: Hailee Hall

haileehall@health.usf.edu

Report to: Dr. 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 providing care to patients with arterial and venous diseases.

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:

Evaluations: 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 diseases. Focus will be on evaluation and decision for operative intervention.

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 faculty and residents. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance and oral examination.

Syllabus:

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

Special Instructions:
N/A
### Surgery [MDR 8605 Vascular Surgery Research]

- **USFMS**: 1-10
- **Surg Care**: 1 0 44 4
- **Contact**: Hailee Carroll
- **Email**: haileecarroll@health.usf.edu
- **Report to**: Dr. Murray Shames
- **Email**: 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:**
This elective provides the student with an opportunity to have hands-on experience with instrumentation that maps arterial anatomy and flow, perform arterial bypass grafts, participate in one area of research with effort rewarded by co-authorship on any data they generate that is published.

**Patient Encounters:**

**Evaluation:**
Students will be evaluated based on their laboratory performance and an oral presentation at the Vascular Surgery Conference.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

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### Surgery [MDI 8600 Gen Surg Acting Internship]

- **TGH**: 1-11
- **Yr 4 Status**: 2 0 70 4
- **Contact**: Jaime Sanchez
- **Email**: sanchezj@health.usf.edu

**Description:**
Clinical
Contact: Margaret Child
mmchild@health.usf.edu

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

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 department conferences.

Patient Encounters:

Evaluation:
Students will be evaluated based on their ward performance.

Syllabus:

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

Special Instructions:

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Click here for additional course information
Description: This clinical elective affords the students an in-depth experience in total patient management as an acting intern on the several services. On these services, 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. Operating room experience will also be extensive. The student will also be expected to perform several technical procedures. This may include the placement of central line catheters, chest tubes, urinary catheters, etc., with appropriate supervision.

Patient Encounters:

Evaluations: Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students: No

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 may choose to participate on the several services. On these services, the student is expected to function as an intern. Responsibility will vary with the ability of each student.

Objectives:
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

Surgery MDI 8600 Gen Surg Acting Internship LVH-CC 1-11 Yr 4 Status 2 0 70 4 Stirparo, Joseph Clinical

Click here for additional course information
### Rotation Activities:

Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will be involved in patient care, performing diagnostic and therapeutic procedures, such as central line placement, catheterization, line placement, chest tube placement, etc. with appropriate supervision. Operating room experience will also be extensive.

### Patient Encounters:

**Evaluation:**

Students will be evaluated based on their ward performance.

### Syllabus:

**Visiting Students:**

Yes. Apply via Lehigh Valley Network on VSAS.

**Special Instructions:**

N/A

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**Surgery**

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**Urology**

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**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 Department of Urology provides comprehensive, urologic patient-oriented care with concern for quality of life and excellence in 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
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 how to evaluate the urologic patient, how to interpret urologic radiology and how to perform urologic procedures. Students 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:

Contact:
Laura Cessna
lcessna1@health.usf.edu
Dr. Justin Parker
jparker1@health.usf.edu

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

Description:
The Department of Urology, at the University of South Florida provides comprehensive, urologic patient-oriented care with emphasis on patient centered care. The Department is one of the largest and most complete in the United States. The Department is located in the James A. Haley VA, and the Tampa General Hospital. The clinic rotations will be designed at a level of learning for 4th year medical students. During the rotation students will be supervised and instructed on a one-to-one basis by their preceptor(s), fellows, residents, and other qualified faculty responsible for teaching and evaluation.

Objective:
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 faculty clinics and pre-operative work-up of urological patients. Students will learn from attending faculty how to evaluate the urologic patient, how to interpret urologic radiology and how to perform urologic procedures. Students will present a case to the weekly conference for urology residents and faculty prior to the completion of their rotation.

Syllabus:
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: