2019-2020 Electives Catalog

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.

Electives_OpenClosed_Report 1.24.20.pdf

Instructions for Reading Report

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

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

<table>
<thead>
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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>
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<tr>
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</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

<table>
<thead>
<tr>
<th>Dept</th>
<th>Division</th>
<th>Course</th>
<th>Site</th>
<th>Perio ds</th>
<th>Pre-req</th>
<th>Max Enroll</th>
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<td>Bharadwaj, Srinivas</td>
<td>Basic Science</td>
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Description: Advanced anatomy is an elective course designed to provide prospective students with an opportunity to review anatomical information and connect it to specific pathologies.

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

Rotation Activities:

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions: SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations only.
**Contact:**
Dr. Hector Lopez-Cardona  
lopezh@health.usf.edu

**Report:**  
Contact Dr. Bharadwaj at snagaraj@health.usf.edu

**Description:**
Applied Head and Neck Anatomy is an elective course designed to provide prospective students with an opportunity to reach the objectives of anatomy applicable to the anatomical basis of diseases that pertain to surgical as well as non-surgical fields.

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

**Rotation Activities:**

**Patient Encounters:**

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

**Syllabus:**
Elective Syllabus MDE 8521.pdf

**Visiting Students:**

**Special Instructions:**
SonoSim modules can be completed online. Periods 8-10 are offered as hands-on rotations.
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 disciplines
2. List the major pathologic processes that has a distinct gross anatomic correlate
3. Outline the anatomic basis of procedures and associated complications
4. Understand the structural organization of the human body to the interpretation of disease
5. Develop experience and demonstrate competence in dissection/prosection techniques
6. Develop in depth understanding of three-dimensional presentations of anatomy through 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:
<table>
<thead>
<tr>
<th>Course</th>
<th>Code</th>
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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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**Description:**
- The course is designed for medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine.
- Excellent hand-eye coordination is required since students will be operating on patients.

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

**Rotation Activities:**
- Medical students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for surgery.
- 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:**
- **Visiting Students:**
  - No
- **Special Instructions:**
  - N/A
Description: The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

Objectives: The primary objective of this course is to introduce the student(s) to the practical/hands on approach to anesthesiology, critical care, and emergency medicine. Students will be expected to develop proficiency in 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 anesthesia. 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: No special instructions.

Anesth MDE 8700 Anesthesiology Elective T-VAH 1 - 11 Yr 4 Status 1 0 50 4 Lee, Leland 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. This includes fundamental airway management, respiratory physiology, cardiovascular physiology, perioperative management, and invasive procedures.

Rotation Activities:
Medical students are expected to make preoperative rounds with the anesthesiology staff on patients scheduled for surgery. This allows the students to interact with other medical professionals and gain a comprehensive understanding of the patient’s overall health. They will follow their patients throughout the anesthetic care into the postoperative recovery for continuity of care.

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

Evaluation:
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 tachyarrhythmias, and conduction disturbances.
4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythmias such as atrial fibrillation, premature ventricular contractions, and left bundle branch block.
5. Infer heart size, presence of cephalization, infiltrate, pleural effusions, and pneumothorax from chest radiographs.
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 therapeutics.

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

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

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

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions: N/A
Contact: Twyla Sumpter
tsumpter@usf.edu

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

Description:
The Cardiology Consultative elective rotation is an experiential patient-based rotation with integrative didactics that develops 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. The learners and teachers will discuss and evaluate goals and objectives that 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 distinction 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, nuclear scintigraphy, 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 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 applied. 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 ... 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 performed. This will include a discussion of 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
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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, CT 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 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 considered. 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
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<th>44</th>
<th>2,4</th>
<th>Leonelli, Fabio</th>
<th>Clinical</th>
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</table>

**Contact:** Twyla Sumpter
tsumpter@usf.edu
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: Cardiac Intensive Care Unit on 3B in Cedar Crest. Call cardiology fellow in the unit at (610) 402-6590 on arrival.

Description: The students will participate in the evaluation of patients and will assist with the integration of the general medical team, the critical care team, the nursing team, the radiology team, the critical care pharmacist, and the teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Objectives:

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

2. Demonstrate proficiency in proper bedside physical examination.

3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac tamponade, basic murmurs of mitral stenosis and regurgitation, aortic stenosis and regurgitation, 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 fibrillation, fascicular block, right bundle branch block, 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 therapeutics.
**Rotation Activities:**

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

**Patient Encounters:**

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

**Syllabus:**

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

**Special Instructions:**

N/A

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**Derm**

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<tr>
<td>Patel, Nishit</td>
<td>Clinical</td>
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**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

Upon completion of this elective, the student will be able to conduct a full dermatologic examination and will be able to interact 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:**
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...
Description:
The course is designed for students interested in expanding their knowledge of dermatopathology. Students will receive instruction on 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 major types of skin cancers by microscopic examination. There is an opportunity to participate in research by co-authoring a case report, meeting abstract, or assisting with a portion of a larger departmental research project with a resident or faculty member, if one is available during the rotation.

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

Rotation Activities:
Attend dermatopathology conferences twice a week.

Patient Encounters:
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.

Evaluation:
The student will be evaluated by the faculty & residents in dermatopathology.

Syllabus:

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

Special Instructions:

<table>
<thead>
<tr>
<th>Derm</th>
<th>MDT 8250</th>
<th>USFMS</th>
<th>1 - 12</th>
<th>None, Yr 3 only</th>
<th>1</th>
<th>0</th>
<th>40</th>
<th>2</th>
<th>Patel, Nishit</th>
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</thead>
</table>
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:

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

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

Patient Encounters:

Evaluation: progress and performance in the clinical setting will be evaluated by the faculty and.
**Syllabus:**

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

**Visiting Students:**

No

**Special Instructions:**

N/A

<table>
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<th>Program</th>
<th>Course Code</th>
<th>Course Title</th>
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<td>MEL 7320L</td>
<td>Externship in Dermatology</td>
<td>Ext 1 - 7, Yr 4, Status: No Limit, 0, 44, 4, Patel, Nishit, Externship</td>
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<td>Derm</td>
<td>MEL 9999L</td>
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<td>USFMS 1 - 11, Yr 4, Status: No Limit, 0, 44, 4, Patel, Nishit, Indep Study</td>
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<tr>
<td>Emerg Med</td>
<td>MDR 8710</td>
<td>Research in Emergency Medicine</td>
<td>TGH 1 - 11, None, 2, 0, 40, 2, 4, Wilson, Jason, Research</td>
</tr>
</tbody>
</table>

**Contact:**

Dr. Jason Wilson
tampaerdoc@gmail.com

**Report to:**

Dr. Jason Wilson

**Description:**

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

**Objectives:**

1. Obtain human subjects research certification and understand the principles and history of human subjects research. During this process, 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:

Evaluation:
The student will be assessed during this rotation in four ways.

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

Syllabus:

Visiting Students:

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

Emerg Med  
MDT 8710 Intro to Emergency Medicine
TGH 1-9 (Yr 4) 1-12 (Yr 3)  
None 5 0 40 2
Zachariah, Anish
Clinical

Contact:
Zachariah, MD
ZachariahMD@gmail.com

Report to:
Dept of Emergency Medicine
One Davis Blvd. Suite 502
Tampa, FL 33609

Description: Because of the wide array of patients and pathology, the rotation is an excellent introduction to acute care and primary care medicine. It provides a foundation for those USF students considering Emergency Medicine as a career.

Objectives: This rotation will enrich students' knowledge, help them develop history-taking ability, physical skills assessment, and patient management skills. It also helps them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

Rotation Activities: This introduction to Emergency Medicine integrates clinical skills and evidence-based medicine through didactic lectures, small group learning, and mentoring. It also includes interactive simulated skills sessions ranging from suturing, central lines, lumbar puncture, and intubations.

Patient Encounters: Students will act as attending physicians and will see patients ranging from minor complaints to critically ill patients requiring resuscitations.

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: No

Special Instructions: N/A

Emerging Medical Student Internship (Yr 4)

LVHN 1-8  Yr 4 Status  2  0  40-44  4  Worollo w, Charles

Clinical Course Title: MEL 8347

AI in Emergency Medicine

Contact: Dawn Yenser

Dawn.Yenser@lvhn.org

(484) 884-2489

LVHN-M 5th Fl South Building

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

Description: This rotation integrates clinical skills and evidence-based medicine through didactic lectures, small group learning, and mentoring. It is designed to help students develop a comprehensive understanding of emergency medicine.

Objectives: This rotation will enrich students' knowledge, help them develop history-taking ability, physical skill assessment, and patient management skills. It also helps them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

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

**Rotation:**

<table>
<thead>
<tr>
<th>Emerg Med</th>
<th>MEL 8347 AI in Emergency Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGH</td>
<td>1 - 11 Intro to EM 6 0 40-44 4</td>
</tr>
<tr>
<td>Clinical</td>
<td>Thomas, Andrew</td>
</tr>
</tbody>
</table>

**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 instruction. Students will evaluate patients, address their presenting complaints, initiate workups, and provide definitive therapies.

**Objectives:**

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

**Rotation 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
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 be able to manage a variety of chief complaints and present their affable manner and empathy in a variety of scenarios (if the students are not comfortable managing a certain chief complaint, then it is expected that they will work to build 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 requirement of creating a 10-15 minute presentation of an interesting case during an end of rotation meeting and this also is 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

**Objectives:**
1. Develop empathy and deeper understanding by developing relationships with patients and family members.

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

- **Goal:** To provide comprehensive care to patients, focusing on the social determinants of health, and promoting health equity.

- **Focus:** Developing relationships with patients and family members, understanding their stories and perspectives.

- **Outcome:** Students will be able to identify and address social determinants of health that affect patient outcomes, and effectively communicate with patients from diverse backgrounds.

- **Special Instructions:**
  - Report to: Will be provided one week prior to the start of the rotation.
  - 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-building programs.

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

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

Rotation Activities:

- Students will participate in daily team rounds, initial assessments, primary care and medication management.

Patient Encounters:

- Evaluations will work in close contact with the interdisciplinary team and participate in daily huddles.

Syllabus:

- Visiting Students: 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: 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. Opportunities are available for additional practice activities within the clinic at certain locations.

Objectives:

1. Compare and contrast the health needs and problems encountered in rural or underserved areas with 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.
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 clinic.

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

Linda Giordano
lgiordan@health.usf.edu

Click here for additional course information.
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 setting.

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or urban 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 (which may involve a Saturday, evening, or non-regular practice schedule). The student may provide patient care at 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 clinic setting or for non-clinical activities such as medical rounds, educational sessions, and community health outreach activities.

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:
Applying via USF Health Morsani College of Medicine on VSAS.

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

Sites:
Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Centers (Ruskin, Dover, Plant City), Pinellas Community HealthCare (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), Citrus County Health Department (Lecanto), and other clinical sites as determined by the preceptor.
<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 7258 Elect in Rural Med or Underserved</th>
<th>DMH</th>
<th>1 - 11</th>
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<th>40-44</th>
<th>2,4</th>
<th>Faculty at DMH</th>
<th>Clinical</th>
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</table>

**Description:** This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved area. Students 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 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 shift. The student will participate in and observe all aspects of the patient care 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 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
  - lgiordan@health.usf.edu
  - (813) 974-1996
- Victor Cruz
  - Coordinator of Clinical Training & Enrichment
  - Gulfcoast North AHEC
  - vrodriguez@gunahec.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 Med.

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

**Family Med**

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</table>

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

- 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 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 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 visit). The student will work in the community health center clinic at the preceptor’s 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.

**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), Suncoast Community Health Care Centers (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@gnahc.org
(813) 929-1000 ext. 209

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<td>2,4</td>
<td>Faculty at CHCP</td>
<td>Clinical</td>
<td></td>
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*Click here for additional course information*
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 setting. The student will gain an understanding of the health needs and problems encountered in rural or underserved practice, identify the unique opportunities and challenges to medical practice and life in a rural or underserved setting, introduce/sensitize the student to cross-cultural issues in health care, understand the mechanisms and indications for consultation and referral in rural or underserved practice settings, and evaluate the business management of rural or underserved practice, including availability of organized funding for patient care, managed care, etc.

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 and at certain locations opportunities are available for additional practice activities within the location.
3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

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

Syllabus:

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

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

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

Contact:
Gonzalez, Eduardo

Clinical
**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:**

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

**Syllabus:**

- Visiting Students: No

**Special Instructions:**

Medical insurance is required for all electives abroad.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MDI 8120 Acting Internship Family Med</th>
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<tr>
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<td>1, 0, 40-50, 4</td>
</tr>
<tr>
<td>Gonzalez, Eduardo</td>
<td>Clinical</td>
</tr>
</tbody>
</table>
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, in collaboration with a senior resident, so the student can write the admitting diagnosis, order appropriate tests and consults, and write 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 preceptor. The student will be responsible for managing their patients according to the above objectives.

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.

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

Description: The Acting Internship in Family Medicine rotation provides students the opportunity to work closely with our residents and gradually assume the role of a Family Medicine intern.

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

**Office Based**
1. Integrate the student into the office setting such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident or attending physician.
2. Strengthen the student’s ability to take an appropriate history and physical exam with subsequent development of an accurate differential diagnosis and workup.
3. Incorporate anticipatory guidance and health maintenance recommendations into routine office visits.
4. Complete succinct and accurate SOAP notes to be reviewed with your supervising physician.

Rotation Activities:
The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident and attending physician. Activities include participation in morning report and teaching rounds, writing orders, following up on labs/consults/imaging, and doing discharge planning.

Patient Encounters:

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

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

Visiting Students:

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 the LVHN Family Medicine intern. The skills and values of “Turtle Craft,” our relationship-centered approach to family medicine, will be taught.

MPMHC 1 - 11 1 0 40-50 4 Clinical
Family Med
MDI 8120
Acting Internship
Family Med

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

Report to: Morton Plant Hospital
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 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 the attending physician. The student will participate in daily rounds, attend in-patient teaching sessions, follow patients admitted to the hospital, review and write up on labs/consults/imaging, and doing discharge planning. Overnight call is to be determined by the site of the AI.

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

Special Instructions: Final arrangements concerning the course location/preceptor will be made by the Department.
Contact: Linda Giordano
lgiordan@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.

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:
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:
Last day to drop/add is end of Period 3, 4.

Interested students must contact the Education Coordinator from the Department of Family Medicine at lgiordan@health.usf.edu prior to enrolling.
Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-1996

Reported 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, Safety Harbor; 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:

Patient Encounters:

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

Syllabus:

Visiting Students:

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

FH 1 - 8 2 0 40-44 2,4 Clinical
Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg; Memorial Hospital of Tampa; Tampa General Hospital; Plant Mease Health Care, Clearwater) and may include outpatient, inpatient, and nursing home care, or other activities.

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

Rotation Activities:
- Included in Objectives

Patient Encounters:

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

Syllabus:

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

<table>
<thead>
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<table>
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<tr>
<th>Contact: Giordano</th>
</tr>
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<tbody>
<tr>
<td><a href="mailto:lgiordan@health.usf.edu">lgiordan@health.usf.edu</a></td>
</tr>
<tr>
<td>(813) 974-1996</td>
</tr>
</tbody>
</table>

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 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:

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:

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

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</table>

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

Report to: Assigned site

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

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</tbody>
</table>

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

Report to: Assigned site

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

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

**Rotation Objectives**

**Patient Encounters:**

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

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

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

**Table:**

| Family Med | MEL 8255 Family Medicine Residency Elect | LVHN 1 - 11 | Yr 4 Status 3 | 0 | 40-50 | 2.4 | Brohm, Veronica | Clinical |

Contact:

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

Description: During this elective, students will spend each day seeing patients and working closely with team members. The focus will be on the relationship of Family Medicine and the medical community. Students will participate in innovative educational activities designed to enhance their understanding of the field. The goal is to provide a comprehensive and engaging experience that prepares students for future endeavors in Family Medicine.

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: Students will have primary responsibility for care of assigned patients while in the clinic and in the hospital. They will participate in rounds, conferences, and other educational activities. There is no call or night float 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: Will be provided one week prior to the start of the rotation.

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

Special Instructions: N/A

Family Med MEL 8263 Public Sector Medicine
Contact: Clinical
Description:
The elective is designed to introduce the student to unique characteristics of medical practice in an underserved community setting. It aims to enhance understanding of providing care to a medically underserved population and the tremendous health needs that exist.

Objectives:
Provisions a learning experience for students who have a demonstrated interest in the health care of underserved communities and other community health issues.

Rotation Activities:
Students will attend all PSMP clinics and post conferences at Judeo Christian Health Clinic, the Outreach Clinic, and the Bridge Clinic. They will participate in activities such as direct patient care, case conferences, department meetings, and a luncheon with the medical director. Students will also be assigned to work at JCHC, BORC, and BRIDGE Clinic in some rotations and precepting first and second year students.

Patient Encounters:

Evaluation:
Students will be evaluated based on clinical skills, self-education/independent learning, understanding and implementation of new material, and professionalism.

Syllabus:

Visiting Students:

Special Instructions:

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8264 Fam Med Elect-USF Med Clinics</th>
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<td>MCAH 1 - 11</td>
<td>Yr 4 Status 2 0 44 4 Gonzalvez, Eduardo</td>
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<tr>
<td>Clinical</td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

1. Identify and manage problems which present commonly in family medicine, emphasizing the importance of continuing care and follow up.

2. Identify the biological, psychological, and social factors that are relevant in the etiology of patients' problems.

3. Improve problem solving skills.

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

5. Improve skills in patient education and communication.

Rotation Activities:

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions: Concerning course location/preceptor will be made by the Department of Family Medicine.

Contact:

Linda Giordano
lgio@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 include patient encounters, rotations, and consultations. The goal is to gain experience in the management of the wide range of problems that are present in family practice.

Objectives:

1. Identify and manage problems which present commonly in family practice, 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.

3. Improve problem solving skills.

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

5. Improve skills in patient education and communication.

Family Med  | MEL 8265 Family Medicine Preceptorship | CF  | 1 - 11 | Yr 4 Status | 1 | 0 | 44-50 | 2,4 | Community Faculty | Clinical
3. Improve problem-solving skills

4. Study the role of other health professionals in the patient’s health care (consultants, social workers, etc.)

**Rotation Activities:**

**Evaluation:**

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

**Syllabus:**

**Visiting Students:**

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

---

**Family Med**  |  **MPMHC**  |  **Pri Care**  |  **Faculty at MPMHC**  
--- | --- | --- | ---
MEL 8272 Women’s Health Elective  |  1 - 5, 10 - 11  |  1  |  0  |  50  |  2  
--- | --- | --- | ---

**Contact:** Giordano

lgioiordan@health.usf.edu

(813) 974-1996

**Report to:** Will be 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:**
Evaluations:

Medical knowledge

Quality of assessments, plans, and presentations

Clinical decision-making skills

Attitude, motivation, and rapport with patients and team members

Syllabus:

Visiting Students:

N/A

Special Instructions:

Contact: Linda Giordano

lgiordan@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. This will include rotations in Family Medicine in-patient, women's health, pediatrics, geriatrics, nursing home, research, Ob/Gyn, acute care, etc.

2. Provide the student with housing when available

3. Introduce the student to the breadth of Family Medicine

4. Specific objectives to be determined based on elective scheduled

Rotation Activities:

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

Patient Encounters:

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</table>

Click here for additional course information.
### 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](https://www.usf.edu/) on VSAS.

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

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<td>MEL 9999F Indep Study - Family Medicine</td>
<td>USFMS or LVHN 1 - 11 None</td>
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<td>Int Med</td>
<td>MEL 8315 Clinical Allergy/Immunology</td>
<td>T-VAH 1 - 11 Adult Med, Pri Care</td>
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<td>2,4 Lockey, Richard Clinical</td>
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</tr>
</tbody>
</table>

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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
  - 20 40-44 2,4 Lockey, Richard Clinical
Dr. Richard Lockey
rlockey@health.usf.edu

Description:
Allergic and immunologic problems affect up to 20% of adults and children in the United States, therefore, students and physicians are essential to familiarize the student with the pathogenesis, diagnosis, and treatment of various allergic and immunologic diseases.

Objectives:
The objective of the Allergy/Immunology experience is to familiarize the student 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, food allergy, urticaria, angioedema, urticaria, and various other immunologic problems.

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

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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

Contact:
Dr. Howard Israel
Howard.Israel@lvhn.org

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

Description:
Allergic and immunologic problems affect up to 20% of adults and children in the United States, therefore, students and physicians are essential to familiarize the student 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 in private doctor's offices.

Click here for additional course information
Patient Encounters:

Students will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, acute rhinitis, angioedema, drug allergy, insect hypersensitivity, and food allergy. They will also observe and/or encounter immune deficiency diseases.

Evaluation:

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

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Int Med  Allergy Immun
MDR 8245 Respiratory Disease Research

T-VAH 1 - 11 Yr 4 Status 1 0 44 4 Kolliputi Narasai

Research

Contact:

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

Report:

Dr. Narasaih 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 patients will be observed and/or encountered in the Division of Allergy and Immunology for both children and adults.

Objectives:

The objectives of the respiratory disease research experience at the Joy McCann Culverhouse Airway Disease Center are to introduce students to the research environment at the Joy McCann Culverhouse Airway Disease Center, to develop skills critical to clinical research, and to promote a research career.

Rotation Activities:

The student will attend four weekly conferences on basic immunology and clinical allergy and immunology given by faculty members from USF College of Medicine. 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 clinical competence attained.
Syllabus:

Visiting Students: No

Special Instructions: N/A

Int Med Cardiovascular MDT 8200B Sudden Cardiac Death

USFMS 10A Yr 4 Status No Limit 0 40 2 Chae, Sanders Basic Science

Contact:
Dr. Sanders Chae
schae@health.usf.edu
Bonna Nichol
bonna@health.usf.edu

Report:

Description:

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

Rotation Activities:

1. Didactics
   - Basic Science Lectures
   - Clinical Lectures
   - Teaching Conferences

2. Research/Presentations

Patient Encounters:

Evaluation:
Students will be evaluated based on interaction with the faculty, a research project, and oral or written presentations.
<table>
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<th>Schocken, Dawn</th>
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</thead>
</table>

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

**Report to:** Dawn Schocken

**Center for Advanced Medical Learning and Simulation (CAMLs) CSEC**

**Description:**
The Harvey Elective is an uses the University of Miami Harvey Course Curriculum. This vetted curriculum has the students practice on the Harvey manikin, and at home, to learn how to interpret jugular venous distension (JVD), detect heart sounds, 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, including heart sounds and murmurs, diastolic murmur, normal heart sounds, heart failure, atrial fibrillation, palpitations, chest pain, ECG, arterial blood gas (ABG) analysis, advanced cardiac life support (ACLS), pulse oximetry, cardiac monitoring, and attend all of the scheduled discussions that provide an opportunity to explore their findings on the Harvey Manikin.

**Rotation Activities:**
The students will have on site activities that include, but are not limited to, lectures from cardiologists, discussions with center staff, weekly discussions, electrical cardioversion, and attend all of the scheduled discussions that provide an opportunity to explore their findings on the Harvey Manikin.

**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
Gastroenterology

Contact: Patrick Brady
pbrady@health.usf.edu

Tashalei Chau, Administrator
chaut@health.usf.edu

Report to 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 practice. The course will address the relationship of innate and acquired immunity to the disordered immune response in patients with inflammatory bowel disease and the immune system in viral hepatitis, and the pathophysiology of gastroesophageal reflux and Barrett's esophagus.

Objectives: The course will address the relationship of innate and acquired immunity to the disordered immune response in patients with inflammatory bowel disease and 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 practice, and workshops on interpretation of endoscopic images.

Patient Encounters: Encounters will be evaluated based on direct faculty observation and feedback from patients and families.

Syllabus: Visiting Students: No

Special Instructions: N/A
Dr. Paola G Blanco

Paola_G.Blanco@lvhn.org

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

Description:
This course will expose the medical student to a wide range of gastroenterology disease processes. The inpatient service will provide hands-on experience in the recognition and management 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 basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

Rotation Activities:
There will be a combination of direct patient contact and personal instruction. Observation of a variety of procedures including diagnostic and therapeutic upper GI panendoscopy, hands-on experience in capsule endoscopy is available. Attendance at ward and teaching rounds, outpatient clinics and teaching conferences will provide additional learning opportunities. Emphasis will be placed on pathophysiology, clinical manifestations, diagnosis and therapy. Emphasis will also be placed on the techniques of clinical nutrition. Students can participate in a short research project during the rotation or may elect to begin a longer-term project.

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:

Int Med Digest /Nutrition
MEL 8306 Gastroenterology Elective
MCAH 1 - 11
Adult Med, Pri Care
2 0 44 2,4 Brady, Patrick
Clinical

Click here for additional course information
Contact: Dr. 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 a broad exposure to gastrointestinal and liver disease.

Objectives: Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the field of gastrointestinal medicine. The student will be able to discuss 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 in-house ward rounds
- 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. The student will be evaluated on their knowledge of gastrointestinal medicine, their ability to perform gastroenterology consultations, and their participation in conferences.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

| Int Med | Digest/Nutrition | MEL 8306 | Gastroenterology Elective | TGH | 1 - 11 | Adult Med, Pri Care | 2 | 0 | 44 | 2,4 | Brady, Patrick | Clinical |

Contact: Dr. Patrick Brady
pbrady@health.usf.edu
Tashalei Chau, Administrator
chaut@health.usf.edu

Report to the gastroenterology attending at 8 AM of the first day of the rotation in the Gastrointestinal Endoscopy Center at TGH.
Description: This course is designed to give students a broad exposure to gastrointestinal and liver diseases through participation in rounds, presentations, and patient encounters 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 use of 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, and patient encounters. Opportunities to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

Patient Encounters: Patient encounters will be based upon clinical discussions and didactic presentations.

Syllabus:

Visiting Students: Visiting students are not accepted.

Special Instructions: N/A

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 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 on Aeromed, participation in gastroenterology consultatons, two hours on the Intensive Care Unit, two hours on the Emergency Department, and two hours in the Outpatient setting.

**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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**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:  

1. Kathleen Koch in order to schedule the ride along time with Aeromed (this is optional; you can 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. Her email address is Barbara.Tripp@tampagov.net.
3. Dr. Angus Jameson (ajamesonmd@gmail.com), medical director Pinellas County) and Dr. Stephanie Tershakovec (stephanietershakovec@gmail.com), our EMS fellow) to see whether there are additional EMS activities that would be useful for you for the rest of the month.

**Description:**
The purpose of this elective is to give the student a broad exposure to the scope of pre-hospital 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 read 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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<th>MEL 8305 Clinical Endo &amp; Metabolism</th>
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</table>

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

Description:

Objectives:
After the completion of this elective, the student should understand how to manage patients with a variety of endocrinologic and metabolic diseases.

Rotation Activities:
Students will see in-house consultations at the VA, Tampa General, and H. Lee Moffitt hospitals; attend daily work rounds; accompany attending physicians in the T-VAH; and attend lectures on a variety of topics related to clinical endocrinology.

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Click here for additional course information.
Special Instructions:

Int Med  | Endocr in  | MEL 8305 Clinical Endo & Metabolism | LVH-CC | 1 - 11 | Yr 4 Status | 1 | 0 | 40-44 | 2,4 | Perilli, Gretchen | Clinical

Contact: Gretchen Perilli

Gretchen_A.Perilli@lvhn.org

(610) 402-6790

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

Description: The rotation on the Endocrinology services involves exposure to inpatient consultations and the outpatient clinic with a focus on diabetes mellitus management.

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 the 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 complete a written report on the case. At the end of the rotation, students will be given 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
Contact: Michael.Chyu@lvhn.org
(610) 402-0100

Report to: 1255 S. Cedar Crest Blvd., Suite 3500

Description: This elective is designed to introduce the basic philosophy of palliative care and how these principles are applied to patients in the hospital to include a comprehensive medical history, physical examination, laboratory and diagnostic testing, and a psychosocial and spiritual assessment.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, laboratory and diagnostic testing, and a psychosocial and spiritual assessment.
2. Provide a comprehensive assessment of patients with pain identifying physical, psychological, and spiritual aspects.
3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and management of pain.
4. In patient encounters, identify and address common patient, family, health care provider, and 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 an interdisciplinary team.

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

Patient Encounters:

Evaluation: For the inpatient educational experience, the trainee will see patients at Lehigh Valley Hospital. For the hospice experience, the student will see patients primarily at the inpatient hospice unit. Knowledge will be assessed through a pre-post knowledge survey and exam, in addition to a...
**Syllabus:**

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

Special Instructions: N/A

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### Contact:

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

Rep: Carmine Pellosie

**Description:**

This elective is designed to introduce senior students to Occupational Medicine specialty care and services. This will include environment 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.
- Observation of documentation and reporting by practitioners in Occupational Medicine and Preventive Medicine to follow-up on the treatment plan of the patient. The goal of recognizing safety and health risks, reporting results to the corporate client and assisting with remedial plans.
Meet with Employee Assistance Program (EAP) professionals and learn about E.A.P. services.  
Observe/Work at the local health department with the Medical Director (for General Preventive) 
Observe and/or learn about Aviation Exams and the special considerations of the aerospace  
Learn and perform travel exams (utilize the Travax system).  This involves consideration of m  
Learn firefighter health concerns: perform firefighter exams while recognizing and utilizing  
Projects, as assigned, to utilize data for short research topics 
Attendance at quarterly “Safety Peer Group” meeting if present when scheduled (a topic exp  
Respiratory Protection Program (29CFR1910.134) familiarization with performance of exams l  
Commercial Driver exams with familiarization with regulatory requirements and other consid  

Patient Encounters: 

Students will be evaluated on a scale from “unacceptable” to “outstanding” in multiple categ  

Syllabus: 

Visiting Students: 

Special Instructions: 

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<th>Int Med</th>
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<th>MDE 8037 Occupational Medicine Elective</th>
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</table>

Contact: 
rachel.williams5@va.gov

Report to: 
Students should report to the James A. Haley Occupational Health Clinic at 8:00 am on the f  
The Employee Occupational Health clinic is in the Community Living Center (AKA CLC or Hai  
The phone number to the clinic and Dr. Rachel Williams is (813) 972-2000 ext. 7628.
The goals of this rotation are for the student to be exposed to the workplace, work exposures, and relevant statutes, and to be able to identify hazards and take appropriate action to reduce the risk of 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, clinical preceptors, program directors), clinical evaluation by program director, preceptor evaluation, and self-evaluation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Contact:
Dr. Jamie Morano
Jamie.Morano@va.gov

Report to:
TeleID Sessions: Monday 1230-1630; Tuesday 1000-1200; 1230-1630 (2C-249 near vascular area); Thursday Clinics anticipated September 2019; Dr. Jamie Morano
TeleNephrology Sessions: Tuesday PM (1C-North Room 11); Dr. Jorge Lamarche
TeleEndocrine: 1st
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 i
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

IDSA/AASLD Hepatitis C Treatment Guidelines (http://www.aasld.org/publications/practice-guid...)

2) Required Online VA TMS Courses:

Clinical Video Telehealth (CVT) Foundations for Teleproviders (#14170)

CVT: Core Competencies (#23393)

3) Suggested resources:

a) IDSA/AASLD Hepatitis C Treatment Guidelines (http://www.aasld.org/publications/practice-guid...)

b) National HIV Curriculum (https://www.hiv.uw.edu)

c) HIV Podcasts I,II,III, IV (http://www.idpodcasts.net)

Patient Encounters:

Evaluation back 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:** No

**Special Instructions:** N/A

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</table>

Contact: Anne Yawman

Anne_M.Yawman@lvhn.org

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

Description: The geriatric rotation will offer experience to observe and manage elderly patients with a wide variety of medical and neuropsychiatric disorders. The student will observe the unique dynamics of natural aging and disease processes as well as the techniques of assessment, therapy and chronic and acute disease management.

Objectives:

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

Rotation Activities:

Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient geriatric medicine service, and the community rehabilitation hospital. In addition, students will be involved in the patient's care and their families, and will be guided through the process of care planning, care plan formulations for post-rehab and their own recommendations for improvement of the system.

Patient Encounters:

Students will be evaluated based on the ACGME competencies. Students will receive a si
**Syllabus:**

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

**Special Instructions:**
N/A

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<th>BYRD 1 - 11</th>
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**Contact:**

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

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

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

**Description:**
This elective integrates students into the care of elderly and those who are victims of health disparities. Students will work closely with multidisciplinary teams 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:

- Perform comprehensive geriatric assessments.
- Understand and manage common geriatric syndromes.
- Identify and address health disparities in clinical practice.
- Participate in multidisciplinary care coordination.
- Develop empathy and communication skills for elderly patients.

- Share case presentations and learn from peers.
- Reflect on own practice and identify areas for improvement.

**Contact:**

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

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 medicine

Patient Encounters:

Evaluations

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:

Special Instructions:

Int Med General

MDE 8340 ICU Procedures for Internists

Contact: Elizabeth Bugarin

epbugarin@health.usf.edu

Barbara Pearce
Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

Report to: Elizabeth Bugarin
epbugarin@health.usf.edu

Description: This elective integrates students into the nocturnal critical care team and provides students with hands-on experience in critical care procedures and management.

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

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

Rotation Activities:

Patient Encounters:

Evaluation: Students will be evaluated by the main intensivist at the end of the course based on direct observation, completion of a procedural checklist, patient encounters, and discussions with the main intensivist.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Contact: T-VAH 1-11 Adult Med, Pri Care 2 0 40 2 Pegeur o-Rivera, Alfredo Clinical
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. The student will participate in the practice of bedside ultrasonography with the preceptors daily. The focus will be on the diagnosis and management of lung diseases. The student will be encouraged to interact with the patients actively.

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

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;31(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 mid-point, and both oral and written evaluation will be performed
2. Evaluation will consist of clinical performance (timeliness, interest, punctuality, % of sessions attended)
### Objectives:

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

### Rotation Activities:

- Gain understanding of Hospitalist medicine concepts
2. Understand human factor engineering and cite specific patient care examples

3. Manage patients in the capacity of an acting intern during business hours, answering pages

4. Participate in root cause analyses if opportunity is available

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:

Special Instructions:

Contact:

Asa Oxner, MD
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
Description:

This elective is designed to introduce students to the practice of medicine in a rural community. Under the supervision of experienced primary care physicians, students will experience daily primary care office visits, inpatient care, and procedures as part of a rural primary care practice.

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:

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

Syllabus:

Visiting Students:

No

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.
Darryl_D.Gaines@lvhn.org
(484) 661-4650

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

Description:
Students will function as acting interns on the general ward teams at Lehigh Valley Cedar Crest Hospital. They will be expected to participate actively in patient management, including performing physical exams, taking patients histories, writing progress notes, and attending daily 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 the management of their patients
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

Rotation Activities:
Students will be required to give a 15-20 minute case presentation halfway through the rotation. The presentation will be based on inpatient care, history and physical exam, diagnosis and differential diagnosis. Students should also be prepared to discuss their thought process and differential.

Patient Encounters:

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

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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<th>MCC</th>
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</table>

Click here for additional course information
Report to: The Moffit Cancer Center Attendings/Residents schedule changes every month. The students receive their assignment with the Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

Description: This rotation allows the medical student to learn how to diagnose and treat common medical conditions. The student will function as acting interns on the general ward teams at Moffitt Cancer Center.

Objectives:

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

Rotation Activities:

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:**

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<th>Clinical</th>
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</table>

**Contact:** Barbara Pearce

**Academic Services Administrator**

**Internal Medicine 4th Year Electives Program**

**bpearce@health.usf.edu**

**Report to:** TGH Attendings/Residents schedule changes 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 patient care responsibilities.

**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. They will participate in departmental rounds, in-service, journal club, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.
Patient Encounters:

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

Syllabus:

Visiting Students:

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

Special Instructions:

N/A

| Int Med | General MDI 8200 Acting Medicine Internship | T-VAH 1-2, 4-11 | Yr 4 Status | 5 | 0 | 40-64 | 4 | O’Brien, Kevin | Clinical |

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. The students receive their schedules a week before the start of the rotation. They may set up a time and place for their initial meeting with the Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

Description:

The student will function as acting or “early” intern on a general ward team. He/She will be given the full range of duties and responsibilities of a medical intern. 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 th

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

Rotation: Students will function as acting interns on the general ward teams. They will be given direct p

Patient Encounters:

Evaluation:

The student’s final grade is determined solely by his/her clinical faculty evaluation which is c

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Int Med | General | MEL 8335 | MCC | 1 - 11 | Yr 4 | 1 | 0 | 44 | 4 | Klinko | Clinical

Contact: Olga Klinkova

Olga.Klinkova@moffitt.org

(813) 745-8565

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

The Attendings at Moffitt schedule change every week. The students receive their schedules .

Description: This course is a 4-week experience for the 4th year medical student at one of our major inpa
The student will function as acting or "early" intern on an internal medicine consult service. The only mandatory conferences that students are required to attend are AM report, noon conferences, Grand Rounds, and Internal Medicine Board Review. Students will work directly with the Medicine attending on the Internal Medicine Consultation Service. Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:

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</table>

Contact: Barbara Pearce

Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

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

Description: This course is a 2-week experience for the 4th year medical student at one of our major inpatient teaching hospitals.
The student will function as acting or “early” intern on an internal medicine consult service. The only mandatory conferences that students are required to attend are morning report, noon conference, and Grand Rounds.

Objectives:

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

Rotation Activities:

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

Patient Encounters:

Evaluation:

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

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 they can improve patient care
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 their transition to residency smoother and to maximize the learning environment in residency.

Rotation Activities:
The course will predominantly consist of case based conferences which will be a review of such topics as writing orders, etc. Attendance to various internal medicine conferences (morning report and noon conference) is optional.

Patient Encounters:

Evaluation:
Students will be evaluated on attendance, participation in case based conferences, involvement in cross cover calls, and an end of the month presentation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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

Michelle Sheff
Management Assistant: Internal Hospital Medicine
Moffitt Cancer Center
Michelle.Sheff@moffitt.com
(813) 745-3134

Reported with IHM A inpatient service

Description
This rotation allows the medical student to learn how to diagnose and treat common medical conditions.

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 patient's illness
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.

Syllabus

Visiting Students:

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

| Int Med | General MDI 9202 Honors AI in Internal Medicine | TGH | 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 TGH Attendings/Residents schedule changes every month. The students receive their schedule in the middle of the month. The students receive their schedules a week before the start of their rotation as an orientation. They are to contact the Attendings/Residents for the 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 patient care responsibilities. 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 interventions
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, lumbar puncture, central line placement
6. Transition of patients from the Medical Intensive Care Unit
7. Communicate inpatient management and outcomes with patient’s primary care physician
8. Participate and learn appropriate discharge planning, utilization of system based care in the management of patients
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities. They will participate in AM report, noon conference, Grand Rounds. 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 conducted at the completion of the rotation. Thisevaluation facilitates discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
### Objectives:

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

### Rotation Activities:

Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibility. Students will attend morning report, noon conference, and grand rounds. 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:**

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

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

Available only to students in the Internal Medicine track

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</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
Description:
This course will expose the medical student to a wide range of hematologic and oncologic disease processes. In the...treatment and natural history of these disorders. Students will also spend time in multidisciplinary clinics.

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 chemotherap"y and new targeted therapy
7. Differentiate between palliative care and hospice care and decide when to transition patient
8. Appreciation for the importance of clinical trials and the process of screening patients
9. Appreciation for multidisciplinary care of oncology patients

Rotation Activities:
The student will be exposed to a broad variety of Hematologic and Oncologic cases. They will spend time 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 an 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 analyze and present the findings. They will answer questions 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 primary focus of this rotation is the inpatient consultative service. Students will be expected to round with infectious disease consult service. Students will be responsible for the care of patients, including history-taking, physical examination, differential diagnosis, and selection of advanced testing modalities.

Objectives:
1. Apply the principles of comprehensive history taking and physical examination to generate a differential diagnosis and 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 the 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. They will analyze the case and prepare a differential diagnosis. Students will also be asked to answer 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:

<table>
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<tr>
<th>Int Med ID, Internat Med</th>
<th>MEL 8310 Infect Disease &amp; Internat Med</th>
</tr>
</thead>
</table>

**Contact:**

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

**Description:**

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 its impact on the 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 throughout the elective a formal evaluation process results in generation of written comment.

**Syllabus:**
### 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. The student will observe the diagnostic and therapeutic steps, 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 and training, as members of the infectious diseases team.

### Patient Encounter:

Evaluations through the elective a formal evaluation process results in generation of written comments from the students.

### Syllabus:

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

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

- **Rotation Activities:** The clinical rotations conducted are structured to permit students to function, with guidance by advanced subspecialty faculty.

- **Patient Encounters:**

- **Evaluation:** Midway through the elective a formal evaluation process results in generation of written comments that are communicated to the student. Specific 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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</table>
**Description:**

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

**Objectives:**

The goal of this rotation is to introduce the senior students to transplant medicine and its many facets. Students will be part of a team which includes an Infectious Disease fellow and Infectious Disease attending.

**Patient Encounters:**

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

**Syllabus:**

Visiting Students:

**Special Instructions:**

N/A

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</table>

**Contact:**

Tammy Grice
tgrice@health.usf.edu

Report to: Tammy Grice
TGH Room G323

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**Contact:**

Tammy Grice
tsgrice@gmail.com

(813) 844-4187

---
Report to: Tammy Grice
TGH RM G323

Description: Clinical ID Elective

Objectives: The goal of the course is to learn to recognize, treat, and prevent infectious complications in the critically ill patient. Emphasis will be placed on infectious complications from invasive procedures, and infection control practices. A practical approach to antibiotic choices and effective use of diagnostic studies will be stressed.

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

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

Syllabus:

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

Special Instructions:

<table>
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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:
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. A significant exposure to renal patients is achieved through inpatient consultations in the affiliated institutions and clinics.

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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

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

Report to: 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. In addition, students will participate in the care of patients with a variety of renal and hypertensive problems.

**Rotation Activities:**
Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions 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 follow-up of patients will be the responsibility of the student who will function under the supervision of the Nephrology attendings and fellows.

**Patient Encounters:**

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

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<th>Int Med</th>
<th>Nephrology</th>
<th>MEL 8313</th>
<th>LVH-CC</th>
<th>1 - 11</th>
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**Contact:**

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. The performance of the history and physical examination, formulation of plans for diagnosis and management, and the follow-up of patients will be the responsibility of the student who will function under the supervision of the Nephrology attendings and fellows.

**Objectives:**
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. In addition, students will participate in the care of patients with a variety of renal and hypertensive problems.

**Rotation Activities:**
Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions 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 follow-up of patients will be the responsibility of the student who will function under the supervision of the Nephrology attendings and fellows.

**Patient Encounters:**

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

---

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A
Special Instructions:

Description:
This elective is designed to introduce the basic principles and practice of palliative care. A 2-4 week inpatient rotation provides opportunity for students to observe, participate in, and consult on palliative care patients.

Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical examination, and discussion of patient and family understanding of illness and prognosis. Gather a psychosocial, spiritual and values history.
2. Provide a comprehensive assessment of patients with pain identifying physical, psychosocial and spiritual components of distress and understanding of patient and family pain expectations.
3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and diagnostic options useful in differentiating among different etiologies of pain and non-pain syndromes.
4. In patient encounters, identify and address common patient, family, health care provider and health care system barriers to effective end of life care, hospice and palliative care.
5. List indications, clinical pharmacology, alternate routes, equi-analgesic conversions, appropriate titration, toxicities, and management of common side effects in opioid administration.
6. Communicate effectively with patients and families across a broad range of socioeconomic and cultural backgrounds.
7. Communicate effectively with physicians, other health professionals, and health related agencies.
8. Define patient requirements to qualify for the hospice medical benefit and other community based options for patients with serious illnesses.

Rotation Activities:
Students will see patients at Tampa General Hospital on the Palliative Care Consult Service. The student will actively participate in daily team rounds and scheduled didactic sessions.

Students will be assigned patients by the supervising faculty and will be integrally involved in the assessment of the patient, with particular attention to the process of care and understanding of illness and prognosis. They will actively participate in family meetings regarding goals of care and treatment plans.

Contact:
Dr. Howard Tuch
tuch@health.usf.edu
Lourdes Rodriguez
lrodrig1@health.usf.edu
Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:

<table>
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<th>Int Med</th>
<th>Pulm/Sleep Med</th>
<th>MDT 8200E Adv Respiratory Pathophysiology</th>
<th>USFMS 11A</th>
<th>Yr 4 Status</th>
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Description:

This course is specifically designed to enhance student competency in Respiratory Pathophysiology. It will provide an in-depth exploration of pulmonary physiology and its clinical applications. The course will include a combination of didactic sessions, case scenarios, and patient encounters to ensure comprehensive understanding.

Objectives:

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

Rotation Activities:

1. Clinical experiences
2. Advanced basic science review

Patient Encounters:

Evaluations will be based 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.

Syllabus:
### Visiting Students:

No

### Special Instructions:

N/A

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<th>MEL 7388 Intro to Sleep Medicine</th>
<th>T-VAH</th>
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</table>

**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. Students 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 objectives 1 & 2
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 gain experience in clinical decision-making and developing working hypotheses. 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.

**Patient Encounters:**

The student will have the opportunity to rotate with a variety of rheumatology faculty at sites including the USF Morsani Clinic, TGH Sleep Center, VA Sleep Center, and other TGH satellite sites. There are additional opportunities to have exposure to musculoskeletal ultrasound in the clinical setting.
Evaluations: Students will be evaluated by the course director or his designee, at the end of the course, by a final examination.

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 the activities and trainees during the weekly rheumatology conference on a topic relevant to a patient seen in the clinical setting.

Syllabus:

Visiting Students:

Special Instructions:

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

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 see patients at the USF Rheumatology Clinic and the VA and TGH Rheumatology clinics. 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 Rheumatology Clinic, VA Rheumatology Clinic and TGH Rheumatology Clinic. 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 evaluations and in-service exam. 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 rotations. This evaluation will be based on their performance during the rotation, their participation in the weekly rheumatology conference on a topic relevant to a patient seen in the clinical setting.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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

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

Report:
David Solomon
dsolomon@health.usf.edu

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

Visiting Students: No

Special Instructions:

Special Instructions: N/A

Contact:

Pat Oswald, Administrator
poswald@health.usf.edu

Report to:

Dr. David Solomon
dsolomon@health.usf.edu

Description:

Objectives:

1. Be able to perform a history and physical examination as it relates to pulmonary disease

2. Know how to order and interpret basic laboratory tests such as chest X-rays, CT scans, arterial blood gases, and pulmonary function tests

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

4. Have a working knowledge of pulmonary physiology, especially as it relates to respiratory failure and the use of respiratory therapy (ventilators, oxygen, etc.)

5. Have a familiarity with a number of emergent conditions seen in the Medical Intensive Care Unit (Moffitt; not at T-VAH or TGH for this course)

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.

T-VAH 1 - 11 Adult Med, Pri Care 2 0 44 2.4 Soloman, David Clinical
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

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

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

Description:

Rheumatology is a specialty in internal medicine devoted to the diagnosis and management of disorders affecting joints, muscles, and connective tissue. Rheumatologists treat conditions such as arthritis, lupus, rheumatic fever, and inflammatory bowel disease.

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

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 disorders affecting joints, muscles, and connective tissue. Rheumatologists treat conditions such as arthritis, lupus, rheumatic fever, and inflammatory bowel disease.

Objectives:

1. Perform a history, and musculoskeletal examination on patients presenting to the rheumatology clinic

2. Generate a differential diagnosis in the evaluation of patients presenting with common musculoskeletal complaints

3. Interpret relevant laboratory tests, and x-rays

4. List the indications for arthrocentesis in general and interpret synovial fluid analysis

5. Recognize common rheumatologic syndromes and the general principles of their management

Rotation Activities:

Participate in outpatient rheumatology clinic
Optional to participate in rheumatology inpatient consults

Attend weekly rheumatology conferences

Joint injection simulation

Opportunity for M5K ultrasound

Patient Encounters:

- During this elective, the student will actively participate on the rheumatology service in the outpatient setting, and will observe and manage patients with a wide variety of rheumatic diseases. Various patient encounters will be used, in conjunction with the clinical performance, for the final evaluation.

Syllabus:

- Visiting Students: No

Special Instructions: N/A

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. Various patient encounters will be used, in conjunction with the clinical performance, for the final evaluation.

Objectives:

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

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

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

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

**Rotation Activities:**

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

**Patient Encounters:**

Ambulatory visits and inpatient consults

**Evaluation:**

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

- 75% clinical evaluation
- 25% journal article presentation

**Syllabus:**

- Visiting Students:
  - Lehigh Valley Network on VSAS.

**Special Instructions:**

N/A

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<th>Interdepartment</th>
<th>BCC 8116 Intro to Derm, Ortho, and Rheum</th>
<th>LVHN 4-5, 7-11</th>
<th>Yr 4 Status</th>
<th>3</th>
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<th>Ross, James</th>
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<td>LVHN DOE</td>
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<td><a href="mailto:Davida_M.Leayman@lvhn.org">Davida_M.Leayman@lvhn.org</a></td>
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Description:
This elective is a multi-disciplinary four-week course designed to enhance the student’s competence in the recognition, evaluation, and management of the common rheumatologic, dermatologic, orthopaedic, and musculoskeletal diseases. Students are given instruction followed by 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 rheumatology, dermatology, orthopedic/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 to learn to perform joint injections and aspirations on patients with direct supervision
- 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

Report to:
Clinical sites include; Morsani, USF South, Tampa General Hospital, and the James A. Haley VA Hospital
Description: This elective is a multi-disciplinary four-week course designed to enhance the student's competence in the recognition, evaluation, and treatment of patients with systemic rheumatic, dermatologic, orthopedic, and musculoskeletal diseases.

Objectives:
1. Apply the skills and medical knowledge learned during the didactic sessions to evaluate patients presenting with conditions commonly seen in rheumatology, dermatology, orthopedics, and sports medicine.
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, orthopedic, and musculoskeletal diagnoses.

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

Patient Encounters: TBD

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


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

Description: This elective is designed to introduce students to the practice of medicine in an intensive care unit. Under the supervision of experienced intensivists, students will gain hands-on experience in the assessment and management of critically ill patients.

Interdepartmental Course Information:

| Interdepartment | MDC 8340 Critical Care Medicine | LVH-CC 1-11 Yr 4 Status 2 0 40-80 4 | Contact Daniel Schwed-Lustgarten Daniel.Schwed@lvhn.org | Report will be provided one week prior to the start of the rotation | Clinical |
Objectives:

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

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

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

4. Recognize patients with acute respiratory failure based on clinical laboratory data (i.e., blood gases) 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 in the areas of shock, acute respiratory failure, end of life decisions, and intensive care unit management.

Rotation Activities:

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

Patient Encounters:

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

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Interdepartmental Course:

MDC 8340
Critical Care Medicine

LVH-M 1 - 11
Yr 4
Status 1 0 40-80 4
Schwed-Lustgarten
Daniel
Clinical

Contact:

Daniel.Schwed@lvhn.org

Report to:

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

Description:

This elective is designed to introduce students to the practice of medicine in an intensive care setting. Under the guidance of experienced medical personnel, students will learn to apply science principles basic to the practice of medicine in the clinical management of complex illness.
2. Compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings.

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

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

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

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

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

**Rotation Activities:**
This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, or another critical care rotation. This rotation will be supervised by a faculty member from the Department of Anesthesiology, Internal Medicine, or Critical Care Medicine. The students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

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

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

---

**Interdepartmental Course:**

**MDC 8340 Critical Care Medicine**

**USFMS 1-5, 8-11**

**Yr 4 Status**

**12 6 40-80 4**

**Cox, Jennifer**

**Clinical**

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**Contact:**

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 another critical care rotation. This rotation will be supervised by a faculty member from the Department of Anesthesiology, Internal Medicine, or Critical Care Medicine. The students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

**Objectives:**
The objectives of this fourth year clerkship are to develop an approach to the care of patients with critical illness.
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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<td>González, Eduardo</td>
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<td>Contact:</td>
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</table>
Dr. Eduardo Gonzalez
egonzalez@health.usf.edu

Report to: Dr. Eduardo Gonzalez
egonzalez@health.usf.edu

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

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

Rotation Activities:
Patient Encounters:
Evaluation:
By the end of the elective, students should feel competent managing a multidisciplinary healthcare clinic. They will participate in cases and be evaluated on their ability to manage and design care plans for patients.

Syllabus:
Visiting Students:
No
Special Instructions:
Only students selected to be the student medical directors for BRIDGE will be eligible for this rotation. Students must notify and obtain permission from Drs. Lucy Guerra (lguerra1@health.usf.edu) or Eduardo Gonzalez (egonzalez@health.usf.edu) prior to scheduling.
The elective is designed to strengthen the clinical and mentorship skills of senior medical students by involving them in a variety of patient encounters. The objectives include:

1. Identify the special challenges in working with under-served populations, cultural differences,
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 to be held during weekly clinics. The content 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 developing research project. The project will be developed to allow for submission of an abstract to the Society of Student-Run Free Clinics' Annual Conference.

Patient Encounters:

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 minimum of 15 clinic nights is required. Visiting students interested in taking the elective will need to apply prior to registering.
Contact: Donald Levick, MD, MBA
Donald.Levick@lvhn.org
484-862-4115
Chief Medical Information Officer
Diplomate, Clinical Informatics, ABPM

Latoya Mitchell
Latoya.Mitchell@lvhn.org
484-862-4143
Administrative Support to the Office of the CMIO

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

Description: This elective will be an introduction to Medical Informatics. The elective will include a combination of didactic and hands-on activities designed to provide students with a comprehensive understanding of the critical role that information technology plays in modern healthcare. 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
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 active participation and assignments). Ongoing feedback will be used to ensure that the student is on track and will be determined at the beginning of the rotation; and assessment of those deliverables will be used in the evaluation.

Syllabus: Clinical Informatics Syllabus.pdf

Visiting Students: No

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

Contact: Amy B. Smith, PhD
amy_b.smith@lvhn.org

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 within the curriculum as it pertains to simulation, design and develop cases to meet course objectives and implement a simulation.

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 a course curriculum
3. Compare teaching with simulation versus assessing with simulation
4. Describe the various types of simulation modalities and how to choose the modality to best meet course need
5. Review simulation curriculum from a student perspective and design
6. Design and develop an interprofessional simulation course including simulation cases, SP 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:

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

Patient Encounters:

N/A

Evaluation:

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

Visiting Students:

No

Special Instructions:

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

Contact:

Dr. Lucy Guerra
lguerra1@health.usf.edu

Dr. Asa Oxner
aoxner@health.usf.edu

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

Report to:

Description:

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

Rotation Activities:
1. Mobile Clinic: Students are expected to volunteer on the mobile clinic Monday through Friday, both morning and afternoon. Students are expected to volunteer for 3 hours each day, including travel time. The mobile clinic locations are shown on the attached calendar. Students are responsible for their own transportation to each clinic location. All patients are seen on a first-come, first-serve basis, and patients will be asked to wait in a hallway if the clinic is at capacity. Students will be expected to complete a history and physical examination, order the necessary laboratory and radiographic tests, and generate 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 Tuesdays from 2:00 PM to 5:00 PM. Students are expected to participate in at least one weekly clinic during the rotation. Students will be responsible for setting up and breaking down the clinic, as well as assisting with patient triage and patient care. Students will be expected to complete a history and physical examination, order the necessary laboratory and radiographic tests, and generate a differential diagnosis and treatment plan. Students will be evaluated on their ability to work in a team setting and their ability to provide care to patients in a busy environment.
3. Research Project: Students will contribute to an ongoing research project that is directly related to the TBSM mission. Students will be expected to contribute to the project by providing care to patients, collecting data, and participating in data analysis. Students will be evaluated on their ability to contribute to the research project and their ability to work with a multidisciplinary team.

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

TBSM Medical Van Sites.pdf

Evaluation:
Students will be evaluated based on punctuality, professionalism, participation in all scheduled service events, effort, and attitude. A PASS grade will be given to students who attend and participate at all scheduled clinical duties and complete all required paperwork and documentation. Students who meet criteria for a PASS grade and also demonstrate outstanding performance in clinical duties and research will be given an A grade.

Syllabus:

Visiting Students:

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

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

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

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

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

II. Course Aims and Outcomes:
Aims
Understand which patients are appropriate for acute rehab vs. LTACH vs. SNF. Understand treatment plans and interventions for 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

Interdepartmental Medicine 8714 Intro to Medical LVHN 2 - 5, 7 - 11 Yr 4 Status 1 0 40 4 Cook, Matthew Clinical
Contact: Dawn Yenser
Dawn.Yenser@lvhn.org
(484) 884-2489

Report to: 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.
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 toxicology (naturally occurring toxins). These include plant and animal toxins, especially focusing on native venomous arthropods, reptiles and marine creatures.
9. Understand diagnostic toxicology laboratory techniques, limitations and costs of both qualitative and quantitative analyses.
10. Observe the clinical operation of a Poison Center. Understand the public health role of the Poison Center.

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 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
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 selected competencies.

Rotation Activities:
Refer to Syllabus

Patient Encounters:
N/A

Evaluation:
At the end of the course, students will be expected to:

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

Syllabus:

Visiting Students:

Special Instructions:

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<th>Clinical</th>
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</table>

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

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

Description:
Faculty will work with each student to design a curriculum to develop advanced proficiency in the various clinical settings, study aides, and professional expertise to allow students to work on competency-based clinical skills.
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

Rotation Activities:

Students will participate in this elective in the CAMLS, seeing standardized patients, observing videos, participating in group discussions, role-playing, developing experience in electronic charting. Occasionally students will practice in the clinical outpatient setting.

Patient Encounters:

Students will be evaluated using checklists to provide a 360 review of their performance - the student will complete self-assessment and evaluation tool, and submit a written report of what they have accomplished during the elective and what they plan to continue to work on as lifelong learners.

Syllabus:

Visiting Students:

No

Special Instructions:

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

Contact:

Angela Davis
Angela.Davis@lvhn.org
(610) 402-2316
Bryan Kane, MD
Bryan.Kane@lvhn.org

Report to:

N/A

LVHN Yearlong Yr 4 Status No Limit 0 4 44 Kane, Bryan SELECT

MDE 8950 SELEC T Capstone

Click here for additional course information

Contact:

Angela Davis
Angela.Davis@lvhn.org
(610) 402-2316
Bryan Kane, MD
Bryan.Kane@lvhn.org

Report to:

N/A

LVHN Yearlong Yr 4 Status No Limit 0 4 44 Kane, Bryan SELECT

MDE 8950 SELEC T Capstone

Click here for additional course information
This is a required course for all SELECT students. It will consist of a Project that results in scholarly output. The course provides 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 an Abstract, a paper. These modalities should be of a quality appropriate for both professional submission and university archiving.

Rotation Activities:

2. Proposal
3. Check Ins
4. Abstract
5. Poster
6. Oral Presentation
7. Final Paper

Patient Encounters:

N/A

Evaluation:

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

Syllabus:

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

Visiting Students:

No

Special Instructions:

N/A

Contact:

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

Description: This elective has been designed to provide students opportunities to further explore the SEL competencies of 

Students will be exposed to health care disparities at an international level through immersion experiences, exposed to different cultures and health care systems in developing countries, 

2. To experience teamwork through collaboration with students from different countries and 

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 

Objectives: 

1. To be exposed to a different culture and health care system in a developing country 

Students will be required to complete pre-work for the elective which will include readings, discussions on common health care disparities, preparation for patient encounters, and also a summary of their entries into their journaling.

Patient Encounters: As required by the host institute

Evaluation: Students will be evaluated by the course director at the end of the course based on their pre-work, reflections, and participation in patient encounters. Students 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.

Contact: USFMS Yearlong Yr 4 No Limit 0 4 44 Naught in, Ryan

| Interdept | MEL 8132 Outdoor Medicine Elective | USFMS | Yearlong | Yr 4 Status | No Limit | 0 | 4 | 44 | Naught in, Ryan | Click here for additional course information |
This course has unique locations for each activity.

Description: This senior medical student elective is intended to teach the practical and theoretical medical skills necessary to practice medicine in the outdoor setting. It will also be ample opportunities for students to present outdoor medicine topics to peers and junior medical students.

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 when 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 if necessary. Students are responsible for their own transportation and equipment rental, with fees varying depending on equipment and activities. Approximately $500 for the Annual Florida Outdoor Medicine Conference.

Contact: Carlos C. Callegari V. MD MEd DMSc FAAP
A yearlong online course is designed to help students reduce their communication and cultural gaps with Spanish speaking patients.

**Description:**
This course is intended to improve and facilitate more successful bi-cultural interactions with Spanish speaking patients with Limited English Proficiency (LELP). Students will learn medical Spanish vocabulary and communication strategies to work effectively in the clinical setting.

**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, complete the online course, and pass a final assessment. Students may take a face-to-face final assessment (in-person or Skype), which may include OSCEs or other educational strategies.

**Contact:**
Carlos C. Callegari V. MD MEd DMSc FAAP
Professor, Department of Pathology and Cell Biology

**Interdept MDE 8044 Int'l Medical Spanish /Culture**
EXT 1 - 9 Yr 4 Status No Limit 0 40 4 Callegari, Carlos Clinical
Description: This elective is designed to provide USF Medical Students an opportunity to participate in an established international rotation.

Objectives:

1. Students will be able to establish communication in Spanish to the degree of:
   a. Understanding a patient’s needs for seeking health care and obtaining their reason for the encounter (chief complaint)
   b. Conducting basic medical interviews and being able to characterize the signs and symptoms of the patient
   c. Being able to communicate requests when performing a general physical examination
2. Students will understand the differences between various clinical settings in the country visited and compare them with 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:

1. Students will assist formal Medical Spanish classes at the approved international institution.
2. Under the supervision of a Spanish speaking Clinical Faculty, students will evaluate and take a detailed history of new Spanish speaking patients.
3. During the elective students will accompany and observe Spanish Speaking medical and nursing personnel testing on their patients focusing in learning the communication and cultural skills.
4. Students will immerse in social and cultural activities organized by the approved international institution to understand and engage better in the Latin cultural environment.

Patient Encounters:

Evaluation:

1. Performance obtaining a clinical medical history in Spanish which may be conducted in an OSCE or another format before and after the experience.
3. Informal presentation to the course directors on their experience as it relates to the cultural and medical Spanish aspects of the course.

Syllabus:
**Visiting Students:**

*Special Instructions:*

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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**Contact:**

**Report to:**

**Description:**

**Objectives:**

**Role:**
Activities:

- Pennsylvania
- Missouri

Events:

- Illinois
- Georgia

Sysallas:

- Virginia
- Tennessee
Description:
This elective is designed to introduce senior medical students to the role of the physician educator. The course emphasizes 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

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.
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 and large group active learning settings

7. Deliver an effective basic science lecture, which integrates active learning principles into the session.

By the end of this elective, the student will have a better understanding of the basic principles of teaching and be able to demonstrate effective teaching techniques.

Rotation Activities:

- We will work together to create a curriculum/teaching module that will be used during our sessions.

Patient Encounters:

- Evaluate participation in teaching seminars
- Active collaboration with instructors to develop teaching materials
- Delivery of a well-researched lecture and well-researched small group session

Syllabus:

- Visiting Students: No

Special Instructions:

- Please submit a brief email to one of the faculty prior to signing up for this elective indicating any specific block you wish to focus on and your personal goals that you hope to achieve during this elective. Registration requires permission of the course director(s).

Contact:

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

Report to:

- DeWaway, Deborah

Interdepartmental:

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</table>

Click here for additional course information
Description: This elective will introduce senior students to the practice and theories of adult education, and receive feedback from longitudinal activities. Teaching activities will occur throughout the senior year, tailored to students' individual schedules.

Objectives:
1. Demonstrate the practice of good clinical and small group medical school teaching
2. Apply the theory of adult education to their small group teaching
3. Reflect on teaching experiences in written and verbal media
4. Deliver effective feedback to students and peers

Rotation Activities:
1. Students will attend seminars that introduce them to education pedagogy and effective teaching techniques.
2. Students will also teach for a minimum of 90 hours in the College of Medicine co-facilitating Doctoring 1, 2, and 3 small groups, or the CAMLS experience, with senior faculty.
3. With senior faculty, students will practice assessing the learning activities of underclassmen.
4. Students will reflect and write on their teaching experience.

Patient Encounters:
Every end of the elective, students should feel competent to teach in both small group and clinical settings. Evaluation:
By the end of the elective, students should feel competent to teach in both small group and clinical settings. Students will be evaluated by their performance on written examinations, self-reflection, and feedback from peers and faculty. The elective director will evaluate the overall performance of the students.

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.

Molec Med
BMS 7260 Research in Molecular Med

USFMS 1 - 11 None 4 0 44 2,4 Faculty Research

Contact:
Dr. Burt Anderson
banderso@health.usf.edu
(813) 974-2608

Report to:
Michael Ramsamooj
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:
Rotation with a PI in the Department of Molecular Medicine to:

1. Identify a research project that is agreed upon by the student and the PI
2. Design the study
3. Perform the necessary studies
4. Analyze the data

Patient Encounters:

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 the 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: N/A

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

Syllabus: Visiting Students: No

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

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</table>
Contact: Jessica Dominguez-Rieg, Ph.D.
Assistant Professor
jdominguezrieg@health.usf.edu
(813) 974-4542

Report to: Faculty Supervisor

Description:
This elective will provide experiential learning in physiology research.

Objectives:
The primary objective of this course is to introduce the student to the research environment. The student will learn about the research process, including the role of the researcher, and will gain basic competency in research methodologies.

Rotation Activities:
Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Develop hypothesis-driven research plan
2. Master specific research methodologies, such as biochemical assays, fluorescent imaging
3. Compile and analyze data
4. Develop tables and figures based on data
5. Derive conclusions and present data via verbal and/or written communication

Patient Encounters:
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.

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<td>Wirano wska, Marzen na</td>
<td>Basic Science</td>
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Description:
This is a 2-week elective for fourth year medical students under the supervision of Dr. Marzenna Wiranowska. This course serves to introduce students to the field of neuroimmunology, its role in neurological disorders, and the translation of scientific discovery to bedside treatments.

Objectives:
Students will appreciate the role that the immune system plays in many neurological conditions.
1. Students will learn about recent basic scientific advances in immunology and how they may translate into clinical therapies.
2. Students will appreciate the process of translating scientific discovery to bedside treatments.
3. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
4. 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 the rotation to delineate a topic of interest from the “List of Major Topics.”
2. In conjunction with the Course Director, students will perform an in-depth literature review on the role of neuro-immunologic therapies in the disease they have chosen to focus on.
3. Students will attend journal clubs and seminars, under the direction of the Course Director, pertaining to their topic of interest.
4. Students will attend outpatient neurology clinics tailored to the disease process they are studying (i.e. neuroimmunology/MS clinic, movement disorders clinic, neuro-oncology clinic, etc.).
5. Students will produce a final scholarly project based on their research to be presented to the course faculty at the conclusion of the 2-week rotation.

Patient Encounters:
Students will spend ~50% of their time in outpatient neurology clinics of their choosing, where they will have exposure to patients with neurological conditions 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 and weekly feedback will be given.
2. Home reading assignments may be given and assessed by the Course Director and clinical preceptors.
3. Students will be required to present a final project (usually in the form of a power point presentation) to the course faculty.

4. The student’s final grade will be based on evaluations from their clinical preceptors and the course faculty's evaluation of their final project.

Please outline when and how the learners will receive feedback on their performance:

1. They will get weekly assessments of their performance from the clinical faculty and the Course Director.

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

Syllabus:

Visiting Students:

Special Instructions:

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<th>Neurology</th>
<th>MDE 8580 Intro to Physical Med and Rehab</th>
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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 extend their knowledge and skills in the diagnosis and management of musculoskeletal and neurologic conditions. This elective includes didactic and clinical experiences in a variety of settings, including but not 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:

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 geriatrics.

4. Students are expected to observe, perform selected history and physical evaluations, and learn about certain procedures appropriate for the Physiatry setting. All such procedures will be under the direct supervision of the attending physician.

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:

Neurology

MDE 8580 Intro to Physical Med & Rehab

T-VAH 1-11 None 2 0 44 2.4

McCart

hy, Marissa

Clinical

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

Neurology

MDE 8580 Intro to Physical Med & Rehab

T-VAH 1-11 None 2 0 44 2.4

McCart

hy, Marissa

Clinical
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 neuromuscular, musculoskeletal and neurologic problems. This will benefit all medical students regardless of their primary area of interest.

Patient Encounters:
Educational objectives will be provided. Evaluation will be based on attendance and demonstration that the educational objectives have been met.

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

Special Instructions:

Neurology

MEL 8671 Elect in Inpatient Gen Neuro

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

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

Report to: 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 and residents.
2. Students will care for their own panel of patients under supervision of attending and residents.
2. Students will present at morning report and case conference.

3. Students will accompany their patients to different tests such as EEG and EMG.

4. Students will participate in daily rounds on inpatients.

Patient Encounters:

Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions: Prior approval of Dr. Varrato is required before scheduling this elective.

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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 also be responsible for following up on patients they evaluate, managing the patient they pick up. Neurological examination skills will be taught to the students at the bedside.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounter:
Students will see a variety of common and uncommon neurological conditions such as headache, epilepsy, multiple sclerosis, spinal cord disease, myasthenia gravis, Guillain Barre syndrome and amyotrophic lateral sclerosis.

Evaluation:
Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director, based on clinical evaluations completed by all Residents and Attendings who worked with them.

Syllabus:

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

Special Instructions: None

Neurology 8671 T-VAH 1 - 11 None 1 0 40 2.4 Clinical
Elective in Inpatient General Neurology

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

Location: 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 work alongside the staff and manage the patient they pick up. Neurological examination skills will be taught to the students at the bedside.
2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable to their patients.
3. Students will attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.
Patient Encounters:
Students will see a variety of common and uncommon neurological conditions such as headache, epilepsy, multiple sclerosis, spinal cord disease, myasthenia gravis, Guillain Barre syndrome and amyotrophic lateral sclerosis.

Evaluation:
Students on this rotation will be evaluated through the following methods:
1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:
1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

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

Special Instructions:
N/A

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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. Selim Benbadis. During this rotation, students wi.
Students may do a two or four-week elective in the Tampa General Hospital Comprehensive Epilepsy Program, USF clinics at ... The student will become an integral part of a team that specializes in the care of patients with refractory epilepsy.

Objectives:

1. Students should understand the differential diagnosis of epilepsy
2. Students should understand the difference between the different types of seizures and epilepsy syndromes and their implications
3. Students will learn the basics of EEG interpretation
4. Students should know the basics of video-EEG monitoring including its role and limitations
5. Students will learn the medical management of epilepsy patients and will be able to select appropriate medications for patients with different types of epilepsy
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 pre-surgical approach to patients with refractory focal epilepsies

Rotation Activities:

1. Students will learn how to obtain a thorough epilepsy history and understand the spectrum of epilepsy syndromes.
2. Students will round with the Attendings (and Fellows when applicable) on the patients in the video-EEG monitoring unit daily.
3. Students will have the opportunity to understand the basics of electroencephalography by reviewing studies with the Fellows and Attendings daily.
4. Students will have several opportunities throughout the month to participate in Wada testing, which is used for language and memory lateralization.
5. Attendance at weekly epilepsy surgery conference is mandatory.
6. Interested students may also spend a few days at the pediatric epilepsy clinic and video-EEG monitoring unit at All Children's Hospital based on availability.
7. Students may attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:

Students will see patients presenting with epileptic seizures and mimics of epilepsy such as psychogenic non-epileptic seizures. They will see patients in both the inpatient long-term video EEG monitoring unit and in the outpatient clinic setting.

Evaluation:

Students on this rotation will be evaluated through the following methods:

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

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

Special Instructions:

Neurology
MEL 8674 Elect in Headache & Pain Med

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 learn about the various clinical aspects of headache and pain medicine.

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 blockade.
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.

USFMS 1 - 11 None 2 0 40 2,4 Kalidas, Kavita Clinical
2. Students will learn how to do a detailed neurological examination under the supervision of the Attending physician.
3. Students will observe a variety of interventional procedures such as botulinum toxin injections, trigger point injections, and peripheral nerve blockade.
4. Students will have the opportunity to learn acute treatment of a variety of headaches.
5. Students will become acquainted with the interdisciplinary therapeutic Headache and Pain Medicine Team including but not limited to neuromuscular re-education/biofeedback, physical therapy, occupational therapy, psychological intervention.
6. Participation in Didactic Lectures and Journal Clubs is mandatory.
7. Opportunities to participate in research projects are available.

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

Evaluations on this rotation will be evaluated through the following methods:

1. Clinical history taking and physical examination skills will be evaluated by the Attending and weekly feedback will be given.
2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance
2. Through feedback and final assessment at the end of the rotation by the course director.

Syllabus:

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

Special Instructions: N/A

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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 rotating through the Movement Disorders Clinics to observe and participate in the care of patients with movement disorders. 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.

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, Smith, and Vale. Students 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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**Course Information:**

**Neurology**

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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 ... to assist students who want a career in primary care or neurology as they prepare for outpatient delivery of care.

**Objectives:**

1. Master skills in obtaining neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan
4. Learn different pathology in outpatient neurology
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency
7. Learn basics of EEG and EMG/NCS

Upon completion of this elective, students should understand the principles of diagnosis and management of general outpatient neurological disorders.
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:

Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

Prior approval of Dr. Varrato is required 3 months prior to the rotation.

Contact:

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

Report to:

TBD based on scheduling. Please contact Course Director and Mrs. Shereena Farrington at least one week prior to the start of the rotation.

Description:

The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will become an integral part of the clinical practice of neurology at the University of South Florida Medical Center. The goal is 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.

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<th>Neurology</th>
<th>MEL 8677</th>
<th>USFMS</th>
<th>1 - 11</th>
<th>None</th>
<th>2</th>
<th>0</th>
<th>44-50</th>
<th>2,4</th>
<th>Hurst, Rebecca</th>
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</thead>
</table>

Clinical
2. Actively participate in discussing differential diagnosis

3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions seen in the outpatient setting

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 detailed medical history, perform a complete neurological examination, order necessary diagnostic studies, and follow up with the patient.

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, 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
Description:
This elective is designed to give fourth-year students more extensive exposure to the practice of Vascular Neurology. 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.

Objectives:
1. Recognize the heterogenous nature of stroke syndromes and be able to differentiate them.
2. Apply principles of evidence-based medicine to cerebrovascular diagnosis and management.
3. Evaluate the proper use of laboratory and neuroimaging studies in cerebrovascular diagnosis.
4. Appreciate the diagnostic and management algorithms in acute stroke intervention.
5. Understand the principles of management of acute ischemic stroke.
6. Understand the principles of management of acute hemorrhagic stroke.

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:
Evaluation:
Students will be evaluated by the course director at the end of the course, based largely on clinical evaluations completed by all residents and faculty who work with them.

Syllabus:

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

Special Instructions: Meet with the faculty member with whom they plan to work and/or Dr. Varrato to plan the elective prior to scheduling.

**Neurology**

| Course | MEL 8678 Vascular Neurology | TGH | 1-11 | None | 1 | 0 | 40-60 | 2,4 | Rose, David | Clinical |

**Contact:** Shereena Farrington

Neurology Education Coordinator

sfarring@health.usf.edu

(813) 974-4142

**Report to:**

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... Care. Students will become an integral part of the stroke team and will be expected to function at the sub-intern level.

**Objectives:**

1. Learn how to do a focused neurological history and examination and evaluate patients using the NIH Stroke Scale under the supervision of the Attending physician.
2. Recognize the heterogeneous nature of stroke syndromes and be able to differentiate them from non-stroke mimics.
3. Apply principles of evidence-based medicine to cerebrovascular diagnosis and management.
4. Understand the principles of management of acute ischemic stroke, including the indications and contraindication 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 objectives through the following methodologies and activities:
Students will evaluate patients presenting with stroke-like symptoms in the emergency room and inpatient settings under the supervision of Vascular Neurology attending physicians. Students will participate in interpreting neuroimaging studies as applicable to their patients. Students will evaluate patients in the outpatient stroke clinic where they will learn about secondary stroke prevention and managing the patients they pick up. Neurological examination skills will be taught to the students at the bedside.

Students will participate in interpreting neuroimaging studies as applicable to their patients. Students will evaluate patients in the outpatient stroke clinic where they will learn about secondary stroke prevention and managing the patients they pick up. Neurological examination skills will be taught to the students at the bedside.

Students will gain experience in critical care neurology as it pertains to the management of ischemic stroke, intracerebral hemorrhage and subarachnoid hemorrhage. 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. Students will work with and learn from Vascular Neurology attending physicians and residents. Students will 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 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
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.

Objectives:
1. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
2. Students will learn how to formulate a research question and scientific hypothesis.
3. Students will learn how to plan a research study to evaluate their hypothesis.
4. Students will learn how to analyze data in order to evaluate their hypothesis.
5. Students will learn how to write a scientific paper presenting the results of their research.

Rotation Activities: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Students will meet with the Course Director (Dr. Brock) prior to and at the start of the rotation to delineate a topic of interest and identify a Research Mentor (if not already identified).
2. In conjunction with their Research Mentor, students will perform an in-depth literature review, formulate an hypothesis, obtain any pertinent IRB approval, collect and analyze data and create a manuscript reporting their findings.
3. Of note, given that the expectation of this course is that the student produce a publication based on their research, the student is expected to have already done some preliminary work on the research project prior to enrolling in this elective.

Patient Encounters: N/A

Evaluation: Students' final grade will be based on a review of their final manuscript by the Course Director and their Research Mentor.

Students will receive feedback on their performance:
1. Through weekly assessments of their performance from their Research Mentor.
2. Through feedback and final assessment at the end of the rotation by the Course Director.

Syllabus:

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

Special Instructions:
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<th>Program</th>
<th>Institution</th>
<th>Level</th>
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</table>

**Contact:**
Kelly Thompson, Residency Coordinator
kpthompson@health.usf.edu
(813) 259-0901

**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 the care 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 neurosurgical care. Students will learn and apply the specifics regarding performing neurological exams; collecting and analyzing neurological data; the basics of neurosurgical procedures; and managing neurosurgical patients. Students will demonstrate interpersonal and communication skills through their interactions with patients and healthcare professionals. Students will participate in team-based learning exercises; perform literature and/or database searches on specific neurosurgical topics; and present these findings in the form of a 5-7 minute presentation.

**Rotation Activities:**
Students will participate in daily ward rounds and will be integrated into the ward management team. Participating 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, presentations may be no more than ten minutes in length, on a neurosurgical topic, to both demonstrate and develop their presentation skills.

**Patient Encounters:**
Students will have the opportunity to work with patients in the outpatient clinics of USF Health's STC Building, Tampa General Hospital's Neuro-ICU, and Tampa General Hospital's fifth floor inpatient care. Encounters will include gathering detailed patient history; performing and/or assisting in patient evaluations and minor procedures with the direct supervision of a neurosurgical resident and/or attending.

**Additional Information:**
Click here for additional course information.
**Evaluation:**
At the conclusion of the rotation, the student should be quite familiar with and have a basic appreciation of the scope of neurosurgery.

**Syllabus:**

**Visiting Students:**
Apply via [USF Health Morsani College of Medicine on VSAS](https://vsas.org).

**Special Instructions:**
USF students are encouraged to enroll in period 2 or 3.

### NeuroSurg

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<th>LVH-CC 1-11</th>
<th>Yr 4 Status</th>
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<th>Clinical</th>
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</thead>
</table>

**Contact:**
Joseph Stirparo, MD
Joseph_J.Stirparo@lvhn.org

**Report to:**
LVHN Cedar crest

**Description:**
A subinternship in the field of neurosurgery encompassing emergent and elective procedures 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.

**Patient Encounter:**
Clinic, Operative, Floor, Intensive care

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

**Syllabus:**

**Visiting Students:**
**Special Instructions:**

**Neurosurg**

**MDR 8650**

**Neurological Research**

Click here for additional course information

**Contact:**

Kelly Thompson, Residency Coordinator  
kpthompson@health.usf.edu  
(813) 259-0901

**Report to:**  
Mark Greenberg, M.D., Program Director, unless specifically assigned to another faculty member.

**Description:**

This rotation is considered an introductory step for students who may be planning an academic course and can be tailored to the individual student's interests and needs.

Students will identify a specific research topic of interest, whether independently, or in collaboration with ongoing research projects in the Department of Neurosurgery and the Brain Repair Department.

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, imaging, clinical, and cellular techniques.
- 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, there will be 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:**
<table>
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<tr>
<th>Visiting Students:</th>
<th>Special Instructions:</th>
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</table>

Contact: Dr. Martin Martino
Martin.Martino@lvhn.org

Report to: Lehigh Valley Hospital Cedar Crest, 7C
Monday 6:00 AM
Call chief gynecologic oncology resident to set up specific expectations and requirements

Description: Students will be expected to demonstrate a level of skill in-patient care of both gynecologic oncology in-patients and to develop management and diagnostic plans for assigned patients.

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 of the principles of robotic surgery.

8. Develop communication skills regarding the care of complex patients with morbidity and complications.

9. Will research, prepare, and present a 15 minute oral presentation relating to a chosen gynecologic oncologic topic during the rotation.

Rotation Activities:

The student will work with the Gynecologic Oncology team caring for patients on the wards, in the OR, and in the office. The student will take on patient care responsibilities such as history and physical exams, setting up and helping with surgical procedures, attending conferences and lectures, and participating in the clinical rounds.

2. Participate in new consults and emergency room evaluations as acting intern and be responsible for examining and evaluating new patients in the office. The student will check in and assist with procedures and be assigned to the OB/GYN resident assigned to ward call or faculty on call.

3. The student will attend all conferences and lectures that the Gynecologic team intern is required to attend.

4. The student will be responsible for writing clinic and/or inpatient notes as assigned by chief resident.

Patient Encounters:

Evaluation will be based on clinical performance in the role as acting intern to include assessment of:

- Daily Inpatient Service clinical observation
- Daily Ambulatory service clinical observation
- Daily Surgical service clinical observation
- Daily oral feedback
- End of period oral feedback
- Written feedback
- Written evaluation by the chief resident and Gynecology Oncology faculty assigned to the team.

Syllabus:

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:

Ob/Gyn Milestone Elective

Click here for additional course information.
Contact: Stephanie-Marie Jones
Stephanie-Ma_L.Jones@lvhn.org

Report to: Labor & Delivery, 3rd Floor Jaidl
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 and gynecology.

Objectives:
1. Demonstrate basic knowledge of normal obstetrical care and common medical complications.
2. Demonstrate basic knowledge of routine/uncomplicated intrapartum obstetrical care including conduct of labor.
3. Demonstrate basic knowledge of normal postpartum care.
4. Demonstrate basic surgical procedures and basic gynecology office procedures.
5. Demonstrate knowledge of basic abdominal and pelvic anatomy.
6. Demonstrate 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 taught and evaluated through simulation, clinical case scenarios, and case-based learning.

Patient Encounters:
N/A

Evaluation:
Students will be evaluated by performance on meeting the ACGME Level 1 Milestones. This will be done through graded performance on clinical case scenarios, and simulation exercises.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Ob/Gyn 8165 Gyne 4-11 Yr 4 Status 1 0 60 4 Black, Christina Clinical
Contact: Christina Black
Christina_M.Black@lvhn.org

Report to: Valley Hospital – 17th Street
Monday 7:00 AM

Description:
This elective is intended for those students who wish to obtain additional background in gynecology and gynecologic surgery. It will be offered during the third year of medical school. The elective is designed to provide an opportunity for those interested in this subspecialty to gain hands-on experience in a variety of clinical settings.

Objectives:
1. Will act as the primary provider (house officer): admit, develop management and diagnostic plans for the gynecology 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 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 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
   - 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 the student’s performance in clinical, procedural, and interpersonal skills as well as their ability to function as an integral part of the team. 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 no.

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<td>1 - 11</td>
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<td>4</td>
</tr>
</tbody>
</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 obstetrical patients who are at risk for complications and patients with obstetric and medical complications. Students will also be expected to develop a comfort level with inpatient management of MFM patients including antepartum patients in the high-risk obstetrical clinic.

**Objectives:**
1. Gain exposure and develop a comfort level with inpatient management of MFM patients including antepartum patients in the high-risk obstetrical clinic.
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.

**LVHN Status:**
LVHN 1 - 11 Year 4 Clinical
**Rotation Activities:** is the preceptor for the rotation, though it is expected that you will interact with the entire MFM staff. Students will meet with Dr. Coassolo at the starting, mid-point and completion of the rotation. **YOU ARE RESPONSIBLE FOR SETTING ALL MEETINGS WITH DR. COASSOLO.** She will contact you by email the week prior to the rotation with more specific instructions for the first day—Kara_m.coassolo@lvhn.org.

2. Students are expected to function as a member of the MFM team. The team consists of the team members, and the team lead is the MFM attending. The students should demonstrate their ability to work well 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 to care for patients under the supervision of the MFM attending, attending all counseling and ultrasound sessions, and contributing to management decisions of these patients.

5. Students will have the opportunity and be expected to see an appropriate distribution of patients. Students will be expected to present a 15-20 minute talk during the rotation. This presentation can focus on a perinatal topic or an interesting patient seen during the rotation.

**Patient Encounters:**

- **Evaluation:**
  - Daily Inpatient Service evaluation
  - Daily Ambulatory Service evaluation
  - Daily oral feedback
  - End of period feedback
  - Written feedback
  - Completed H&P on Antepartum MFM patient and outpatient seen in High Risk Clinic or MFM
  - Completed oral project (slide set)
  - Completed “antepartum” procedural passport

**Syllabus:**

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

**Special Instructions:**

- LVH-CC 4 - 11 Yr 4 Status 1 0 60 4 Diven, Liay

- Click here for additional information.
Contact:
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 the service by completing all related clinical and administrative tasks under supervision of assigned faculty mentor.

Objectives:
1. Perform initial assessment of patients in the triage area by conducting history and supervised physical exams, and document admission paperwork. (Students are expected to provide a detailed and accurate medical history, perform a comprehensive physical examination, and document findings appropriately.)

2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progress.


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. YOU ARE RESPONSIBLE FOR SETTING ALL MEETINGS WITH YOUR PRECEPTOR so please contact the preceptor at the start of the rotation.

2. Students are expected to function as a member of the obstetrics team. The team consists of the resident staff (PGY1-4), general ob/gyn attending physicians, MFM specialist, ED resident, third year medical students, CNM, and nurses.

3. Students are expected to follow and participate in the care of designated patients. S/he will be assigned 1-3 patients and contributing to management decisions of these patients. To learn the computer system, take the online tutorials at http://lvhwebcontent.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 attending obstetrics workload. Students will be expected to take time floats to ensure that this list is completed.

5. Students will be expected to present a 15 minute talk during the last week of the rotation. This presentation will be determined by the midpoint in the rotation and approved by the preceptor.

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:
N/A

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDI 8162 Acting Internship in Gynecology</th>
<th>LVHN 1-11 Yr 4 Status 1 0 80 4 Black, Christina</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Christina Black
Christina_M.Black@lvhn.org

Report to: Valley Hospital – 17
th Street
Monday 7:00 AM

Contact chief gynecology resident by email to get a list of assigned cases for the following day.

Description:
Students will be expected to demonstrate a level of skill in-patient care of both gynecology in-patients and outpatients under the supervision of the gynecology resident and assigned faculty mentor.
Objectives:

1. Will act as the primary provider (house officer): admit, develop management and diagnostic plans for.
2. Will follow up on patient’s status and develops new management and diagnostic plans for.
3. Will be assistant surgeon and/or participate in procedures as level of training allows
4. Will follow, round on, document upon, and present assigned patients on the gynecology service.
5. Will manage a sufficient number of patients as an acting intern to gain skills, attitudes, and knowledge.
6. Will see patient in the ambulatory gynecology office setting with faculty attendings when assigned.
7. Will participate in and develop and understanding for the principles of gynecologic surgery.

Rotation Activities:

1. Oral presentation at end of rotation
2. Attend OR cases assigned to you by chief gynecology resident unless assigned to clinic 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:

<table>
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<th>Ob/Gyn</th>
<th>MEL 8420 Ob/Gyn Subspecialty Elective</th>
<th>TGH/MCAH</th>
<th>1-11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40</th>
<th>4</th>
<th>Mayer, James</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:
Mjmancao@health.usf.edu

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

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

Objectives:
1. Provide an introduction and appreciation to an Ob/Gyn sub-specialty
2. Develop student independent interest and research in the sub-specialty
3. Provide the student with a clinical interactive opportunity with a sub-specialty attending

Subspecialties available in the following areas:

- GYN Oncology
- Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
- Maternal Fetal Medicine
- REI (Reproductive Endocrinology & Infertility)
- Outpatient Generalist Ob/Gyn

Rotation Activities:

The student 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.

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDI 8160 Ob/Gyn Acting Internship</th>
<th>LVHN</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
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<th>Jones, Stephanie-Marie</th>
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<td></td>
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</tbody>
</table>

Contact:

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

Report to:

Delivery, 3rd Floor Jaindl
Lehigh Valley Hospital, Cedar Crest

Monday 7:00 AM

Description:
This course is for those students who wish to gain additional experience in. Requests for the

Objectives:
1. Perform initial assessment of patients in the triage area by conducting history and supervisi.
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%

Lehigh Valley Hospital, Cedar Crest

Monday 7:00 AM
Oral Teaching Cases - 5%

Your Evaluation - The Specifics

- Clinical Evaluation – The faculty that you work with will complete an evaluation through Evalute. At the end of the rotation feedback we will ask for any additional faculty / residents that you wish to receive an evaluation.

- Oral Final Exam – You will be given an oral final exam at the end of your rotation covering obstetrics by two attendings.

- Oral Presentations - You will be responsible for an oral case presentation that you will give.

- Obstetrical Passport – You must complete and hand in a passport of activities.

- Written Notes - You are required to complete a H&P weekly. Also a written csection (including the procedural steps), vaginal delivery notes, and a postpartum note. These notes can be typed or hand-written but should be copied from EPIC.

- Oral Teaching Cases - You will be assessed on weekly obstetrical teaching cases by residents and faculty.

Honors Eligibility

Students often ask about what preceptors look for in distinguishing the “average” from the “truly outstanding” or honors student. In order to be eligible for an Honors grade, a student must achieve ALL of the following:

1. Attain a honors grade on the final oral exam.
2. Receive outstanding clinical evaluations from the resident team and faculty. Need to be consistently evaluated as a fourth year student or intern level.
3. Demonstrate professional behavior at all times.
4. Participate during scheduled activities except in case of an excused, documented absence.
5. Complete all clerkship requirements.
6. Adhere to the honor code.

Pass with Commendation Eligibility

In order to be eligible for a pass with commendations grade, a student must achieve ALL of the following:

1. Attain a high pass or honors grade on the final oral exam.
2. Receive above average clinical evaluations from the resident team and faculty. Need to be consistently evaluated as a beginning of fourth year, fourth year student, or intern level.
3. Demonstrate professional behavior at all times.
4. Participate during scheduled activities except in case of an excused, documented absence.
5. Complete all clerkship requirements.
6. Adhere to the honor code.

Pass Eligibility

In order to be eligible for a grade of Pass, a student must achieve All of the following:
1. Attain a pass or higher on the oral exam.
2. Receive average evaluations (meet expectations) from clinical preceptors.
3. Complete all clerkship requirements.
4. Demonstrate professional behavior at all times.
5. Demonstrate adherence to the honor code.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDI 8160 Ob/Gyn Acting Internship</th>
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<tbody>
<tr>
<td>TGH</td>
<td>1 - 11</td>
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<td>Yr 4</td>
<td>Status</td>
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<td>2</td>
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<td>40-60</td>
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<td>Rapkin, David</td>
<td>Clinical</td>
</tr>
</tbody>
</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 area. 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
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 throughout the rotation.

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

Syllabus:
Visiting Students:
No Limit

Special Instructions:
Contact Melissa Mancao at least one month prior to the start of the rotation.

<table>
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<th>Ob/Gyn</th>
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<td>1 - 11</td>
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<tr>
<td>Oncologic Sciences</td>
<td>MDE 7286 Flex Yr3 Elective in Onc Hosp Med</td>
<td>MCC</td>
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<td>40-50</td>
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<td>Hembree, Timothy</td>
<td>Clinical</td>
</tr>
</tbody>
</table>

Contact:
Dr. Hembree
Timothy.Hembree@moffitt.org

Click here for additional course information.
Students will rotate on the Internal and Hospital Medicine (IHM) Inpatient service at Moffitt Cancer Center. The student is expected to attend Afternoon Report, Noon conference, Grand Rounds and Board review sessions.

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

Daily Encounters:
10-30 total

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 guidance of experienced palliative care providers, 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.
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 to each service.
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 General Hospital Medicine service to gain hands-on experience in palliative care. They will participate in interdisciplinary rounds, shadow palliative care providers, and present cases to the team. Students will give bad news, discuss advance care planning, and identify symptoms common at the end of life and manage them.

Patient Encounters:
Students will see patients on the H. Lee Moffitt Cancer Center palliative care inpatient consultative service and in the General Hospital Medicine service to gain hands-on experience in palliative care. They will participate in interdisciplinary rounds, shadow palliative care providers, and present cases to the team. Students will give bad news, discuss advance care planning, and identify symptoms common at the end of life and manage them.

Evaluation:
Students will be evaluated based on clinical evaluations completed by the course director. 10% of the evaluation will be based on attendance, participation, and professional behavior, 50% will be based on a written summary of patient interviews/clinical notes and required journal article reading, 25% oral presentation and 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.
Description:

This elective is designed to introduce senior students to the practice of Genitourinary (GU) Oncology. Under the direction 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.

Evaluation:

1. Medical Knowledge and Practice Based Learning - Does the medical student apply knowledge to the 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, nurses, and patients?

Syllabus:

Visiting Students:

Report to Dr. Poch prior to the start of the rotation for instructions on where to report.
Description: This elective is designed to provide exposure to the presentation, evaluation and treatment of patients with lung and thoracic malignancies. From a didactic stand-point the student will join the surgical team in conference 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 Xray and Chest CT Scan images and findings
4. Demonstrate solid knowledge of chest anatomy and cardio-pulmonary physiology
5. Demonstrate proficiency in the following technical skills: bronchoscopy, sub-cuticular stitching, flawless knot-tying, basic thoracoscopy, basic robotic manoeuvres, insertion/removal of chest tubes

Rotation Activities:
Participation in the operating room and seeing patients in clinic

Patient Encounters:

Evaluation:
The student will be evaluated by the course director at the end of the elective, based on clinical evaluations and oral presentations. Grades are determined by: 75% clinical evaluations and 25% oral presentations.

Syllabus:

Visiting Students:

Special Instructions: N/A
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 for Head and Neck Oncology. Medical students will be exposed to 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 associated with head and neck cancer
3. Practice head and neck physical examination skills
4. Develop an appreciation for multidisciplinary care of the oncology patient
5. Participate in complex head and neck surgical and reconstructive cases
6. Learn basic postoperative head and neck patient assessment including assessment of flap viability
7. Participate in team rounds and in-patient management with the Head and Neck Oncology team
8. Learn the basic principles involved in Head and Neck radiation planning
9. Learn the basic principles involved in chemotherapy, clinical assessment and evaluation of toxicities in Head and Neck cancer patients

Rotation Activities:

Two-week rotation in Head and Neck Surgery
One-week rotation with Head and Neck Radiation Oncology
One-week rotation with Head and Neck Medical Oncology

We will modify accordingly for students interested in two-week rotation.
Patient Encounters:

Evaluation: 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

Oncologic Sciences

MEL 8831 Surgical Oncology

Contact: Dr. John Kiluk
John.Kiluk@moffitt.org

Report to: John.Kiluk@moffitt.org prior to the rotation for instructions

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 increase student knowledge, understanding and skills in every aspect of patient care including: outpatient clinics, operative procedures, inpatient rounds, and tumor boards.

Objectives:

1. Expose students to the role of the surgeon in the diagnosis, management, and surveillance of cancer patients
2. Expose students to the importance other disciplines (medical oncology, radiation oncology, pathology, etc) play in the management of cancer patients
3. Introduce students to various emotional responses of patients to cancer and how best to manage these responses
4. Expose students to the basics of clinical research in the care of cancer patients
5. Educate students on advantages and disadvantages to different diagnostic tests, surgical choices, chemotherapy regimens, radiation, and screening techniques

Rotation Activities:
The student will be assigned to work with surgeons based on disease sites. These sites include: Breast, GI, GU, GYN, Head and Neck, Blood, Lymph, Gastro, Pulmonary, Urology, Nephrology, Oncology, Endocrinology, and Radiation. The student will be assigned 2 weeks of direct patient care (e.g. outpatient clinics, operative procedures, inpatient rounds, and tumor boards) each week with the remainder of the schedule dedicated to attending conferences, reading, and presentations.

Patient Encounters:

Evaluation: The student 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 coordinate their elective. The start, duration and availability of the elective may be dependent on availability of faculty that can be influenced by national meetings and vacations.

Oncologic Sciences

<table>
<thead>
<tr>
<th>MEL 8308</th>
<th>MCC</th>
<th>Adult Med, Pri Care</th>
<th>Jaglal, Michael</th>
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<td>Oncology</td>
<td>3-6, 8-11</td>
<td>1 0 40 2,4</td>
<td>Clinical</td>
</tr>
</tbody>
</table>

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 hematobiology.

Objectives:
The clinical experience should allow the student to gain additional knowledge and experience in the following areas:

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue and spleen
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of neoplastic and hematologic disorders
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:
**Evaluation:**
Students will receive an evaluation by their preceptor.

**Syllabus:**

**Visiting Students:**
Visiting students may be evaluated by Dr. Michael Jaglal and Lorie Jennings at least one month prior to the rotation.

**Special Instructions:**
Please contact Lorie Jennings and Dr. Michael Jaglal at least one month prior to the rotation.

<table>
<thead>
<tr>
<th>Oncologic Sciences</th>
<th>MEL 8309 Inpatient Hematology</th>
<th>MCC 1 - 11</th>
<th>Adult Med, Pri Care</th>
<th>1</th>
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<th>40</th>
<th>2,4</th>
<th>Jaglal, Michael</th>
<th>Clinical</th>
</tr>
</thead>
</table>

**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 attain a solid understanding of the pathophysiology, clinical manifestations, and management of a wide variety of hematologic disorders. The clinical experience should allow the student to gain additional knowledge and experience in the following areas:

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue and spleen
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of a wide variety of hematologic disorders
3. Chemotherapeutic drugs, growth factors, and their mechanisms of action, clinical indications, and limitations
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 the inpatient hematology team at Moffitt Cancer Center

**Patient Encounters:**
At least 20

**Evaluation:**
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 designed to provide fundamental information that allows for the assessment and treatment of an infectious disease. The rotation is designed to:

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 understand how antimicrobial usage can affect it
3. Gain insight into the process of selecting antimicrobials and creating durations of therapy

Rotation Activities:

The main component of the rotation is daily rounds with the multidisciplinary team of an ID fellow, ID trained pharmacist, and ID trained infectious diseases specialist. Other components include microbiology rounds, attending ward rounds, and attending rounds. Additional research projects are available on request during the rotation.

Patient Encounters:

Evaluation:

Midway through the elective, there will be an informal evaluation process to allow the student to get early feedback as to how well he/she is performing. The student will be asked to present a case. Feedback is provided on the process 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 | MCC | 1 - 11 | Adult Med, Pri Care | 1 | 0 | 44 | 2,4 | Nieder, Michael | Clinical |

Special Instructions:

Click here for additional course information

Contact:

Heydi Blackwell

Heydi.Blackwell@moffitt.org

(813) 745-6012

Dr. Michael Nieder

Michael.Nieder@moffitt.org

(813) 745-2191

Report to Dr. Nieder prior to the start of the rotation for instructions on where to report.

Description:

This will predominantly be an outpatient rotation focused on the evaluation of patients needing a blood & marrow transplant and cellular immunotherapy. Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will participate in the evaluation and care of patients undergoing active follow-up and patients will be undergoing outpatient transplant and cellular immunotherapy. Optional inpatient care is available for those students who wish to rotate.

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 thrombosis, acute graft-versus-host disease, organ rejection, chronic 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.

Patient Encounters:

Evaluation: No written test; Attending physicians will provide feedback.

Syllabus:
# Oncologic Sciences

## MEL 7740 Radiation Oncology

<table>
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<tr>
<th>MCC</th>
<th>1-6</th>
<th>Yr 4 Status</th>
<th>2</th>
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<th>44</th>
<th>4</th>
<th>Dilling, Thomas</th>
<th>Clinical</th>
</tr>
</thead>
</table>

### Visiting Students:
- No

### Special Instructions:
- N/A

### Description:
The Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of cancers. For visiting students, the focus will be on the integration of radiation oncology into patient care. Students will attend regularly scheduled tumor board conferences and didactic programs as assigned by their preceptors.

### 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, the potential side effects of radiation therapy, and radiation safety.
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 a minimum of 10 pertinent articles from the medical literature

### 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.

### Contact:
Angie Courtney
Angie.Courtney@moffitt.org

### Report:
Angie.courtney@moffitt.org
MCC 4135
(813) 745-8535
### Syllabus:

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

**Special Instructions:**
No

### Oncologic Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Year</th>
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<th>Model Year</th>
<th>Capacity</th>
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<tr>
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<td>Oncology Externship - Radiation Oncology</td>
<td>1 - 7</td>
<td>Yr 4</td>
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<td>4</td>
<td>Faculty</td>
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<tr>
<td>MEL 9999G USFMS</td>
<td>Oncology Independent Study - Radiation Oncology</td>
<td>1 - 11</td>
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<tr>
<td>MEL 8501 MCAH</td>
<td>Medical Ophthalmology</td>
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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:
The course teaches the ophthalmic signs and symptoms of systemic medical disease through lectures and patient experience. It is designed for 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 affecting the eye.

### Rotation Activities:
Attendance in clinics and surgeries of subspecialties

Click here for additional course information

---

**Oncologic Sciences**

**Ophthalmology**

**Click here for additional course information**
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:

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

Special Instructions:

N/A

Contact:

Robert Thompson, Practice Manager
LVPG Ophthalmology
Robert.Thompson@lvhn.org
(610) 969-2343

Report to:
To be determined by practice manager prior to start of elective

Description:
Students will rotate through an outpatient ophthalmic office and will be exposed to general ophthalmology. Students will observe and treat primary ophthalmic conditions including dry eye syndrome, cataract, glaucoma, and macular degeneration.

Objectives:

1. Learn how medical conditions affect the eyes.
2. Identify and treat basic ophthalmic conditions.
3. Perform a basic eye exam, including slit lamp exam, direct and indirect ophthalmoscopy.
4. Learn basics of ophthalmic equipment including topography, biometry, and visual field tests.
5. Learn how to triage ophthalmic complaints and learn when to refer and when to treat in a primary care setting.

Rotation Activities:
Examination of patients with attention to basic exam components and equipment.

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Special Approvals Required.

**Ophthalmology**

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<th>MEL 8506</th>
<th>MCAH</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 is designed for students interested in ophthalmology as a career. Students will participate in the clinical activities of physicians and attend clinic and surgeries.

Objectives:
Students will have basic knowledge of the anatomy, clinical exam, and pathology of disease.

Rotation Activities:

Patient Encounters:

Evaluation:
Evaluation 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.

Click here for additional course information.
2. Students will get weekly assessments of their performance

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

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

| Ophthalmic | MEL 8507 Retinal Elective | MCAH 1 - 11 Yr 4 Status | 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 management of patients with conditions affecting the eye. Students are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

Objectives: Students will have basic knowledge of the anatomy, clinical exam, and pathology of disease.

Rotation Activities: 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.
Visiting Students: No

Special Instructions: N/A

Ophthalmic Mel 8507 Retinal Elective

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 detachments, and other retinal pathologies. Students will 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 testing
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: No
### Description:
The course is designed for students interested in ophthalmology as a career. Glaucoma is one of the most common clinical conditions requiring diagnosis and treatment, and students will participate in the care of patients with this disease. Active participation in the care of patients with glaucoma will be a major component of the rotation. The expected outcome is that at the end of the rotation, students will be able to participate in patient care with minimal supervision and will be able to contribute to the management of 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

### Special Instructions:
- N/A

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### Ophthalmology (Ophthal)

**MEL 8509 Glaucoma**
- Yr 4 Status 1
- 1-11 (Yr 4); 9-11 (Yr 3)
- Contact: Lizzette Sanchez
- Report to: USF Eye Institute Administrative Offices
- 1st Floor FOB
- First day of rotation

**Description:** The course is designed for students interested in ophthalmology as a career. Glaucoma is one of the most common clinical conditions requiring diagnosis and treatment, and students will participate in the care of patients with this disease. Active participation in the care of patients with glaucoma will be a major component of the rotation. The expected outcome is that at the end of the rotation, students will be able to participate in patient care with minimal supervision and will be able to contribute to the management of 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

**Special Instructions:**
- N/A

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### Ophthalmology (Ophthal)

**MEL 7320E Externship -**
- Yr 4 Status No Limit
- 1-7
- Contact: Lizzette Sanchez
- Report to: USF Eye Institute Administrative Offices
- 1st Floor FOB
- First day of rotation

**Description:**

**Objectives:**

**Rotation Activities:**

**Patient Encounters:**

**Evaluation:**

**Syllabus:**

**Visiting Students:**
- No

**Special Instructions:**
- N/A

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### Ophthalmology (Ophthal)

**MEL 7320E Externship -**
- Yr 4 Status No Limit
- 1-7
- Contact: Lizzette Sanchez
- Report to: USF Eye Institute Administrative Offices
- 1st Floor FOB
- First day of rotation

**Description:**

**Objectives:**

**Rotation Activities:**

**Patient Encounters:**

**Evaluation:**

**Syllabus:**

**Visiting Students:**
- No

**Special Instructions:**
- N/A
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<tbody>
<tr>
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<td>MDT 8600C</td>
<td>Intro to Orthopaedic Peds</td>
<td>USFMS</td>
<td>7-11</td>
<td>None, Yr 3 only</td>
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<td>2</td>
<td>Maciel</td>
<td>Clinical</td>
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</table>

**Description:**
This 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, congenital abnormalities, 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 and lectures, and interpreting relevant imaging.

**Patient Encounters:**
Located on USF Main Campus

**Attendings:**
Maureen Maciel, MD, Site Director
Joseph Khoury, MD
Cheryl Lawing, MD

**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
Evaluation:
Upon completion of this elective, the student should have a basic understanding of the recognition and management of patient injuries and the principles of fracture repair and cast application. The student will participate in twice-weekly sub-specialty fracture conferences during their elective rotation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Ortho MDT 8600D Intro to Orthopaedic Trauma

<table>
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<th>Course</th>
<th>Week</th>
<th>Year</th>
<th>Credits</th>
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</tbody>
</table>

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. Students will participate in twice-weekly sub-specialty fracture conferences during their elective rotation. The student will 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.

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
5. Assist in dressing changes, seeing consults, assisting in fracture reduction and splinting

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 principals of orthopaedic trauma management.
## Description:
Students will also have the opportunity to work with the faculty and residents of the Department of Orthopaedics and Sports Medicine. Students will participate in the weekly orthopaedic core lecture series on Friday mornings from 7 am to 9 am. Students will also have the opportunity to work with the faculty and residents of the Department of Orthopaedics and 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 to 9 am. Students will also have the opportunity to work with the faculty and residents of the Department of Orthopaedics and Sports Medicine.

## Patient Encounters:
Evaluations will be done on an individual basis by the clinical preceptors and will be based on the patient interaction, case presentations, medical plans, and documentation.

## Syllabus:

<table>
<thead>
<tr>
<th>Ortho</th>
<th>MEL 8823 Orthopaedics Acting Internship</th>
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</thead>
<tbody>
<tr>
<td>MOR/TGH/VA</td>
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</tr>
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</table>

Contact:
Nicole Rives
nrives@health.usf.edu

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

Visiting Students:
No

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

Click here for additional course information.
Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
N/A

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<thead>
<tr>
<th>Ortho</th>
<th>MEL 7320U Externship - Orthopedics</th>
<th>Ortho</th>
<th>MEL 9999U Indep Study - Orthopedics</th>
<th>Otolaryn</th>
<th>MEL 7816 Otolaryngology AI</th>
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<td></td>
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<td>1 - 11 Yr 4 Status 3 0 44-70 4 Padhya, Tapan Clinical</td>
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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 courses.

Rotation Activities:
By the completion of the elective, all students will be able to demonstrate proficiency in the otolaryngological head and neck procedures.

Patient Encounters:
Clinical evaluation will be prepared by otolaryngology faculty based on the following: functional evaluation of the elective, all students will be able to demonstrate proficiency in the o
Syllabus:

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

Special Instructions: N/A

Otolaryngology AI

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 considered an essential part of any subsequent training in Otolaryngology. Trainees will follow patients throughout their hospitalization and will follow them upon their admission to the hospital. They will assist at the operative procedures on selected patients and will participate in the medical care of patients under the supervision of the attending surgeons. They will also assist in the management of patients undergoing endoscopy. Trainees 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 training. It is aimed at providing 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 and 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, interpersonal skills, and rapport with patients and families and subjective elements of interpersonal relationships, motivation, and ability.
### Otolaryngology

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### Otolaryngology

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### Path

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<tr>
<th>Role</th>
<th>BMS 7663 Anatomic Pathology</th>
<th>LVH-CC</th>
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<th>Clinical</th>
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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:

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:** Activities include observation of tissue processing in the grossing room; attendance of autopsies; and preparation and reporting of frozen sections.
**Evaluation:**
Evaluation will be based on assessment of the above objectives by members of the Department of Pathology.

**Syllabus:**

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

**Special Instructions:**
N/A

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<tr>
<th>Path</th>
<th>BMS 7663 Anatomic Pathology</th>
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<th>Riddle, Nicole</th>
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Contact: Michelle Burnham
mburnham@health.usf.edu

Report to: TGH: B232
8:00 AM on the first scheduled day to Dr. Nicole Riddle. Confirm rotation the week prior with the above named contact.

**Description:**
The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of medicine. Students will have the opportunity to participate in conferences and observe pathology in various settings within the TGH and 1023 TGH. Participation in grand rounds and 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 laboratory until its status as a finished product on a glass slide
5. Identify major histologic abnormalities in different organ systems

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

**Patient Encounters:**
### Evaluation
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:**
N/A

### Description:
The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of medicine.

### Objectives:
1. Analyze the roll 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 will be encouraged. The role of the pathologist as consultant and educator will be demonstrated.

### Patient Encounters:
N/A

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

### Contact:
Michelle Burnham
mburnham@health.usf.edu

Report to:
T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

### Table:

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<tr>
<td>Bulkeley, William</td>
<td>Clinical</td>
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Click here for additional course information
Syllabus:

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

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

<table>
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<th>Clinical</th>
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</table>

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

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

Description:
Rotations in gross/FS (2-3 days), Cytopathology (2 days) and other fields of pathology subspecialty sign outs (remaining of the rotation time)

Objectives:
The objective of this elective is to gain experience regarding the practice of pathology for those students considering a career in pathology. Particular attention will be given to correlation between clinical information and pathologic findings.

Rotation Activities:

Gross & Frozen Section Pathology
In the initial few days, students are stationed in the frozen section room where they shadow and learn from the residents and fellows. The goal is to understand the examination and appropriate sectioning of a variety of simple to complex specimens for processing and final diagnosis.

Systemic Pathology
This portion of the elective involves the process diagnosis of tissue prepared during gross examination of tissue specimens. This includes the review of slides and correlation with clinical information.

Cytopathology (Sign out & Intra-Operative Evaluation)
During this assignment, students shadow the resident(s) and Fellow on the cytology service, learning about the correlation between clinical and pathologic findings.
Autopsy Pathology

On this service, the student accompanies the resident(s) to the autopsy suite when there is a

Patient Encounters:

Evaluation: pathologists will evaluate the student using a standardized student evaluation form.

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

Path  | BMS 7664 Flexible Elective in Pathology  | T-VAH  | 1, 3-11 | None | 1 | 0 | 44 | 2,4 | Bulkeley, William
Path  | Clinical

Contact: Michelle Burnham
mburnham@health.usf.edu

Report to: T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

Description: The objective of this elective is to gain experience regarding the practice of pathology for those students considering a career in pathology. Particular attention will be given to correlation between clinical information and pathologic findings. The pathologist as consultant and educator will be demonstrated. 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, including autopsy, consultation, conferences, and correlated cases. The pathologist as consultant and educator will be demonstrated. The daily activities may vary depending on availability.
Patient Encounters:

Evaluation: The staff cytopathologists 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 | T-VAH 1, 3-11 | None | 1 | 0 | 44 | 2,4 | Bulkeley, William | Clinical

Contact: Michelle Burnham 
mburnham@health.usf.edu

Report to: T-VAH: 1D-171 (Resident’s room) 
8:00 AM on the first scheduled day

Description: The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize and process cytologic specimens. The course will include an introduction to the role of the cytopathologist in different professional activities, analysis of selected cases, and an overview of common specimen types and processes used in cytopathology. 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 review selected cytologic specimens during regular “sign out” sessions. The st...
Syllabus:

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

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

Path
BMS 7666 Clinical Cytopathology
Click here for additional course information

MCC 1, 4-11 Yr 4 Status 1 0 Status 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
cytotechnologists and technologists as they prepare cytologic specimens. There may be opportunities to observe procedures as well.

Objectives:
The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize changes in cells and tissue that be indicative of disease. Emphasis will be placed on the role of the cytopathologist in the diagnostic process and the importance of accurate results.

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 and

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 participate in daily diagnostic conferences.

**Patient Encounters:**

Minimal (FNA)

**Evaluation:**

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

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

Clearance from USF/Moffitt prior to start of rotation.

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**Path**

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</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 elective is to acquaint the student with appropriate technical and interpretative laboratory practices. The student will be on appropriate 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 choice.

**Patient Encounters:**
Evaluation:
The staff pathologists 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:
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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<th>Clinical</th>
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</table>

Click here for additional course information

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 oth
   5. Review pertinent medical literature for selected cases
   6. Accompany staff during testimony under oath at criminal and civil trials and at depositions
   7. Accompany staff during death scene investigations (evening and night call-out optional)
5. Participate in departmental conferences. These comprise a working case conference thrice weekly, a pending case conference weekly, a photo review conference weekly, and a fixed brain and heart cutting conference weekly.

6. Present an informal talk on a topic of personal interest related to autopsy pathology or anatomy for extra credit.

**Patient Encounters:**

**Evaluation:**

*Evaluation* is based on feedback from direct daily observation by attending physicians and th.

**Syllabus:**

**Visiting Students:**

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

**Special instructions required**

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<th>4</th>
<th>Bulkeley, William</th>
</tr>
</thead>
</table>

**Contact:**

Michelle Burnham
mburnham@health.usf.edu

**Report to:**

T-VAH: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

**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
Rotational 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 of the rotation.

Path  | BMS 8661 Research in Pathology  | MCC 1-6, 8-11 | None  | 1  | 0  | 44  | 4  | 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:

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.

**Patient Encounters:**

**Evaluation:**
1. Monitoring the student's interest, initiative, and progress through daily interactions and at 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>LVHN 1 - 11 Yr 4 Status 1 0 40 4 Esernio Jenssen, Debra Clinical</td>
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Protect

Click here for additional course information

Contact:

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

Report the first day after Pediatrics Morning Report, call Jennifer Redmond, CAC Office Coordina
th
& Chew campus -
6
Floor (directly off the Green Elevators).

Description: This elective is designed to provide a basic structure of child abuse pediatrics as a specialty
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
3. Recognize various conditions and injuries that require specialty child protection team eval.
4. Recognize various conditions and injuries that initially appear to be related to abuse but are also
commonly related to medical or accidental causes
5. Outline when and how to report suspected child abuse
6. Discuss what the legal and child welfare systems need from pediatricians in the community
7. Understand the other specialties such as radiology, ophthalmology, neurosurgery, trauma
8. Describe community based partners such as CYS, Law Enforcement, District Attorney’s office
9. Recognize the role of the Child Advocacy Center and Child Protection Team in the evaluation of

Rotation Activities:
Students will see patients at the medical center at LVHN, and, when available, different court

Patient Encounters:

Evaluation: will be completed by Dr. Esernio-Jenssen.

Syllabus:
### 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 diseases in children of all ages.
- Students will be expected to 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:

### 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

### Visiting Students:
No

### Special Instructions:

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

**Special Instructions:**
N/A

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**Peds**

**Report to:**

**Clinical**
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 diseases. Students will work within a multidisciplinary team, including 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  
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. Students 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...

Syllabus:  
Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions: N/A
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 to parents.
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, computerized brain tomography, magnetic resonance imaging, and angiogram.
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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<th>Peds</th>
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<th>Clinical</th>
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</table>

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

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

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

Objectives:
1. Demonstrate an approach for taking a proper history and neurological exam and be able to
2. Justify the approach and use it to formulate an appropriate differential diagnosis
3. Identify the role laboratory data, neurophysiology, and neuroimaging have on the diagnosis.
4. Discuss and effectively communicate treatment or therapy options with patients, family members, and other members of the health care team.

Rotation Activities:
1. Student will complete a Pediatric Neurology orientation test questionnaire prior to start of rotation 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 neurology team.
5. Student should attend Pediatric Morning Report on Monday and Thursday mornings at 8:00 am at the Cedar Crest site and will be scheduled to present at Pediatric Morning Report before the end of the elective.
6. Student should attend Pediatric Grand Rounds on Tuesday mornings at 8:00 am at the Cedar Crest site.

Click here for additional course information
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 the first day of rotation (providing it is a Monday), at 7:30 am call the sedation doctor ASCO 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. 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 the 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 Tuesdays, Wednesdays and Fridays student will work with the PICU physicians though there may not be sedations scheduled on those days.

Contact:

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

Report the first day of rotation (providing it is a Monday), at 7:30 am call the sedation doctor ASCO 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.

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Objectives:

1. Demonstrate the ability to conduct a comprehensive pre-sedation evaluation that includes
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3. Acquire and review pertinent medical records, select appropriate sedative and/or analgesia
4. Accurately calculate dosage and predict the effect the medication will have on the 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 Tuesdays, Wednesdays and 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 sedation doctors based on the above objectives. Rotation leader, in collaboration with the sedation doctors and inpatient team, will complete student’s evaluation form and forward to the medical school.

Syllabus:

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

Special Instructions: N/A

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</table>

Contact: Kristin Held Wheatley, PharmD, BCOP
Clinical Pharmacy Specialist, Pediatric Oncology/Infectious Diseases
Program Director, PGY1 Pharmacy Residency
Krisitin_m.held@lvhn.org
(610) 402-8340

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

Description: This clinical rotation provides an overview of pharmacologic principles related to the management of pediatric patients. Students will be assessed on their ability to apply pharmacokinetic principles and patient data to determine the most appropriate drug dosing regimen and formulation. Students will also develop and strengthen scientific literature searching skills and formulate 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 dosing regimen and formulation.
3. Identify appropriate evidence-based literature and summarize relevant information to respond to drug information requests.
Rotation Activities:

Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:

1. Students will identify and review pertinent patient information in the medical record with a focus placed on review of the patient’s medication regimens. This includes recognition of adverse drug reactions, 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 research the request and 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.

Peds

MEL 7103 Pediatric Cardiology

Click here for additional course information

Contact Dan Maurielo

(727) 767-4106

Sara Mastry

(727) 767-4106

For questions if not able to reach the above contact:
Report to: will be provided one week prior to the start of the rotation

Description: Principles of pediatric cardiology will be taught in outpatient and inpatient encounters at ACH-JHM. As a free-standing pediatrics residency, students will participate in work-up and care of cardiac patients including those admitted for procedures, as well as those seen in cardiology clinics. 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.

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, atrioventricular valvular defects, ventricular septal defects, 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 evaluation and treatment of heart murmurs, chest pain, palpitations, dizziness, and syncope. Principles in cardiac electrophysiology and anatomy will be taught using electrocardiography and echocardiography.

Students will participate in work up and care of cardiac patients including those admitted for procedures, as well as those seen in cardiology clinics.

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.

2. Inpatient Service
   - Students will participate in work-up and care of cardiac patients including those in the cardiac intensive care unit and neonatal intensive care unit.

3. Sub-specialty rotations
   - all students will observe at least one of the following: open heart surgery and learn about cardiopulmonary bypass, 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:

Syllabus:

Visiting Students:

Visiting Students:

Special Instructions:

Special Instructions:
Description:
This elective is designed to introduce fourth year medical students to the field of pediatric cardiology. Students will be able to see and care for pediatric patients up to the age of 18 in the outpatient setting.

Objectives:
1. Student will accompany an attending pediatric cardiologist to learn the essential elements of the pediatric cardiologic examination, history taking, and modes of therapy for different pediatric cardiac illnesses.
2. Student will familiarize themselves with what constitutes an innocent versus a pathologic murmur.
3. Student will understand the grading system of heart murmurs and modal auscultation for t.
4. Student will learn the basic differences between the pediatric EKG and the adult EKG.
5. Student will learn basic concepts of both performance of echocardiography and reporting.
6. Student will become familiar with the most common pathologic entities of congenital heart
7. Student will see patients in an outpatient setting and will participate in history taking and p

Rotation Activities:
Student will spend each day with one of three pediatric cardiologists in the office setting. Stu

Patient Encounters:

Evaluation:
Upon completion of this elective, student should understand the principles and diagnosis of . Students will be evaluated based on their level of participation and improvement over the co.
**Syllabus:**

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

**Special Instructions:**
N/A

<table>
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<tr>
<th>Peds</th>
<th>MDI 8400 AI-Inpatient Pediatrics</th>
<th>LVH-CC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
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<th>0</th>
<th>40-44</th>
<th>4</th>
<th>Robel, Lindsey</th>
<th>Clinical</th>
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</thead>
</table>

**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 4B on the 4th floor of the Pool Pavilion at 9:00 am.**

**Description:**
The inpatient pediatric course is presented to give the student an experience in the management of children with problems seen in the inpatient setting. The student will work closely with the pediatric house staff. The student 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 infants and children.
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 printed, reviewed, and emailed to the attending using MS Outlook or completed in a Word document and emailed to the attending on service.
3. Student should follow 3-5 patients depending upon complexity.
4. Student should become familiar with and use the IPASS method when signing out patients.
5. Student will be given access to the Hallway New Patient Presentation template and the Hallway Established Patient Presentation template and should become familiar with and use when presenting patients to attending and senior resident.

6. Student should attend Pediatrics Morning Report on Monday and Thursday mornings at 8:00 am with the inpatient team; as ... mornings with the inpatient team. Student is excused from these educational sessions when on the night shift week.

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:

Yes. Apply via Lehigh Valley Network on VSAS.

Syllabus:

Peds MDI 8400 AI-In-Patient Pediatrics

Student 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:

Yes. Apply via Lehigh Valley Network on VSAS.

Contact:

usfpedichiefs@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: provided one week prior to the start of the rotation
The senior medical student will serve as an "acting intern" with the resident staff assigned to the inpatient medical service. The student will participate actively in teaching rounds, journal clubs, and seminars as a junior house staff member.

Objectives:
To offer the student a period of intensive exposure to inpatient general pediatrics by permitting the student maximal responsibility for patient care in a supervised setting.

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:
Evaluate the student's written histories and physical examinations, problem list, and plans of evaluation.

Syllabus:

Visiting Students:

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

<table>
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<tr>
<th>Peds</th>
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<tbody>
<tr>
<td>MDI 8400 AI-In-Patient Pediatrics</td>
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</table>

Contact:
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: 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 ... these patients as an acting intern in consultation with a senior member of the pediatric house staff. 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.
4. The student should gain familiarity in performing certain basic procedures including venipuncture, lumbar puncture, intravenous line placement, and bone marrow aspiration.
5. The student should be able to give the indications for admission to the hospital for children.

Rotation Activities:
The student will participate actively in teaching rounds, journal clubs, and seminars as a junior house staff member.

The student will provide patient care under close faculty supervision.

The student is expected to either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

Evaluation of the student's performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

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

Special Instructions:

Contact:
Dr. Frank Ayestran
fayesta1@jhu.edu
(361) 244-9718

Dr. Jessica Rodriguez

| Peds | MEL 7563 Pediatric Nephrology | ACH 1 - 11 | Adult Med, Pri Care, or Maternal Newborn | 1 | 0 | 44 | 2,4 | Flores, Francisco | Clinical |
(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, and how hypertension, dialysis, and transplantation are part of the management of a renal disease. 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 the patient.
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. There will be two sessions at each site, one at the beginning of the rotation and another 1/2 to 2/3 of the way through the rotation. Students will be assigned a faculty mentor at each site. Students will either provide a discussion of one selected topic or present a patient management case towards the end of the rotation.

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:

Transportation may be needed for travel between hospitals and clinics.

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

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<tr>
<th>Peds</th>
<th>MEL 7563 Pediatri c Nephro logy</th>
<th>TGH 1 - 11</th>
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<th>44</th>
<th>2.4</th>
<th>Campo s, Alfonso</th>
<th>Clinical</th>
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Contact:
Description: This elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of renal failure, chronic kidney disease, 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:

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

Special Instructions:

Special 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.

**Contact:**
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, neonatal nurse intensivists, residents, and rotating students. The student will participate in a structured curriculum designed to provide a broad overview of the subspecialty of neonatology and its role in patient care.

**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:**
Ev\textit{s}tudents 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 should ask for feedback to facilitate self-improvement and learning

\textbf{Syllabus:}

\textbf{Visiting Students:}
Lehigh Valley Network on VSAS.

\textbf{Special Instructions:}
NRP Certification Required

\begin{tabular}{|l|c|c|c|c|c|c|}
\hline
\textbf{Peds} & \textbf{MEL} 7565 Neonatology Intensive Care & \textbf{TGH} 1 - 11 & \textbf{Yr 4} Status & 1 & 0 & 44 & 4 \textbf{Ho, Tina} Clinical \hline
\end{tabular}

Contact: 

\begin{itemize}
\item Tina Ho 
\item thaoho@health.usf.edu
\item (813) 844-3437
\end{itemize}

For questions if not able to reach above contacts:

\begin{itemize}
\item USF Health Peds Edu Dept (813) 259-8638
\end{itemize}

Report to: 

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

\textbf{Description:}

\textbf{Objectives:}

The objective of this elective is the development of clinical expertise in the management of disoders of the neonate. Students will participate as members of the NICU clinical team consisting of faculty attendings, pediatric residents, and neonatal fellows.

\textbf{Rotation Activities:}

rotate with pediatric residents, medical students, and neonatal fellows in the critical care nursery, delivery room, and NICU. Participation in conferences, rounds, and providing clinical care under close faculty and neonatal fellow supervision.

\textbf{Special instructions:}

NRP Certification Required.
**Patient Encounters:**

**Evaluation:**

Evaluation of the student's performance will be made by observing development of his/her clinical expertise and use of informal quizzes.

**Syllabus:**

**Visiting Students:**

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

**Special Instructions:**

NRP Certification Required

![Click here for additional course information](image)

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<tr>
<th>Peds</th>
<th>MEL 7596 Ped Diabetics &amp; Metabolic Disease</th>
<th>MCAH 3 - 11 Pri Care or Mat Newborn</th>
<th>1</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 clinic. The student will be instructed primarily by the Pediatric Diabetes Center staff in the 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 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:**
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

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

Special Instructions: Prior approval from Dr. Rodriguez required.
Transportation may be needed for travel between hospitals and clinics.
Those interested in more intense exposure to children with a chronic disease should contact Dr. Rodriguez to learn the dates of camp sessions for children with diabetes.

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<tr>
<th>Peds</th>
<th>MEL 8134 Intro to Med-Peds</th>
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<td>John</td>
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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: will be provided one week prior to the start of the rotation

Description: This elective is designed to introduce senior students to the specialty of Internal Medicine-Pediatrics. Under the supervision of Dr. McCormick, students will have the opportunity to develop their clinical skills in a primary care setting. The rotation is intended to provide a robust clinical experience in primary care as well as a better understanding of Med-Peds as a career.

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 arthocentesis, joint injection, and circumcision.
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. Students will also have the opportunity to participate in the weekly resident clinic curriculum. Students will also have the opportunity to see patients in an inpatient setting. The rotation is designed to provide a comprehensive experience in the clinical aspects of Internal Medicine-Pediatrics.
Patient Encounters:

Evaluation 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:

Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A

Contact:

Dr. 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:

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

17 Davis (across from USF Health STC, 1st Fl)

Description:

This rotation allows the student to experience the broad range of primary pediatric care issues in the USF Health Pediatrics setting. The student will participate in outpatients and inpatient care with the goal of providing well-rounded care. 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 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:

Contact at least one month prior.

<table>
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Contact: Tammy Winterhalt

Tammy.Winterhalt@lvhn.org

(484) 862-3149

Report to:

Student will spend 2 weeks in The Children’s Clinic at the LVHN 17 & Chew campus and 2 weeks at LVPG Pediatrics at Health Center/Madison Farms

Description:

This rotation allows the student to experience the broad range of primary pediatric care issues in Pediatrics outpatient practice. Each student will present a Morning Report presentation. Attendance at Pediatric Grand Rounds and scheduled conferences like Wednesday afternoon PediaPred is required.

Objectives:

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. Mandatory to attend Grand Rounds, PediaPred and Morning Reports, and prepare a Morning Report presentation.

Patient Encounters:

Evaluation by the supervising physicians in the Children’s Clinic and LVPG Pediatrics.
| Syllabus: Visiting Students: Special Instructions: |
|---|---|---|

**Peds**

**MDE 8455**

**Acquired Immunodeficiency**

Click here for additional course information

**TGH 1-11**

**Pri Care or Mat Newborn**

**1 0 44 4**

**Shapir o, David**

**Clinical**

**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

**Description:**

The senior medical student will participate in both inpatient and outpatient clinical duties involving HIV-infected infants, children, and adolescents. In addition, the student will have opportunities to conduct research, participate in small pilot projects under the mentorship of a faculty member.

**Objectives:**

Offer the student a period of intense exposure to HIV infection in infants, children, and adolescents. 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.

**Rotation Activities:**

**Patient Encounters:**

Evaluate the student's history and physical examinations, generation of problem lists, and plans for evaluation and treatment.

**Evaluation:**

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

**Additional Information:**

No夜 is call required.
Contact: Nanette Grana
(813) 259-8725
ACH GME
(727) 767-3970
Dawn Jones
dawn.jones@jhmi.edu

For questions if not able to reach above contacts:
USF Health Peds Edu Dept 813-259-8638

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

Description:
The student will be involved in the management of patients with pediatric hematology and oncology disorders.

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 followed patients. The student will be an active participant in daily rounds and will be expected to interact with patients and team members. Histories, physical examinations and plans for evaluation and treatment will be reviewed with the attending physician. 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.

Patient Encounters:

Evaluation:
Evaluation of the student’s performance will be made by observing development of his/her clinical skills and the use of informal quizzes.

Syllabus:
Visiting Students:

- No

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.

### Course Information

<table>
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<tr>
<th>Peds</th>
<th>MEL 8568</th>
<th>TGH</th>
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<th>40-44</th>
<th>2,4</th>
<th>Galligan, Andrew</th>
<th>Clinical</th>
</tr>
</thead>
</table>

CoTact:

- jrico@health.usf.edu
- Berlinda Garcia-Mora, Administrator
- (813) 259-8635

For questions if not able to reach above contacts:
- USF Health Peds Edu Dept 813-259-8638

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

**Description:**
The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings.

**Objectives:**
- Introduce the student to the clinical aspects of hematologic and oncologic disease in children
- Learn the basics of work up and care for the pediatric hematology/oncology patients

**Rotation Activities:**
- For inpatient services, the student will participate in the AM rounds and assist with diagnostic procedures and therapy planning.
- Students are encouraged to study the basics of hematopoiesis and cancer chemotherapy.
- Written histories and physical examinations and plans for evaluation and treatment will be reviewed with the attending physician.

- In the outpatient setting, the student will actively participate in interviewing and examining newly referred and follow-up patients.
- The student will attend the weekly multidisciplinary patient care and teaching rounds and monthly tumor board.

**Patient Encounters:**
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

**Syllabus:**

**Visiting Students:**
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 | LVHN 1-11  
Status  1 0 40-44 4 | Bautista Otanez, Felipe |
|------|---------------------|-----------------|------------------|
| LVHN | 1 -11  
Status  1 0 40-44 4 |  
Clinical |

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

Report to Felipe Bautista after attending Pediatrics Morning Report on the first day, at the outpatient clinic.

**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 spend time with the Residents to discuss patients. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

**Patient Encounters:**

**Evaluation:**
The student will be evaluated on multiple aspects of patient care and clinical performance during the 4 week rotation. This will include feedback from the team, will complete the evaluation provided by the student’s medical school at the end of the rotation.
The goal of this elective is to acquaint the student with genetic and metabolic disorders in pediatrics: diagnostic evaluation, differential diagnosis, inheritance, management, and counseling.

Rotation Activities:

Students will typically attend Genetics/Metabolic Clinics Monday, Tuesday, and Thursday at CMS on campus and occasional consultation rotations for Newborns and PICU. 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 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 Lehigh Valley Network 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 to: Will be provided one week prior to the start of the rotation

Description:

Objectives:
Familiarize the student with the clinical aspects of child development.
Learn to administer basic screening tests and to assess the many aspects of development, which contribute to diagnosis and intervention.
The objectives of this elective can be met via a research track, a clinical track, or a literature review/writing track.

Rotation Activities:
Participating in patient evaluations via observation and direct contact and interacting with various members of a multidisciplinary team will facilitate an understanding of the diversity of the field.

In addition to “hands-on” training, weekly didactics will provide teaching in the basic areas of normal, delayed, and specific developmental problems, 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.**

| Peds | MEL 8573 Pedi Allergy & Clinical Immun | ACH 1 -11 Yr 4 Status 2 0 44 4 Leiding Jennifer Clinical |

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, 7-8, 10-11 | Pri Care or Mat Newborn | 2 | 0 | 40-44 | 2, 4 | Ewig, Jeffrey | Clinical |

Contact: Carolyn Robinson
crobin84@jhmi.edu

Shirley Robles, Administrator
srobles3@jhmi.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106

Report to: 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
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, congenital malformations... 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 Learning Site. Attendance at the USF Residency didactic sessions (i.e. morning report, noon conference, etc.) is STRONGLY encouraged.

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:

Special instructions may be needed for travel between hospitals and clinics.

<table>
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<th>TGH 1-5, 7, 10-11</th>
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<th>Colon Cortes, Yanerys</th>
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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...
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, congenital malformations, and asthma. Pertinent literature will be discussed and will be available for review on the Moodle Pediatrics Learning Site.

**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:**

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, 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 referred to Pulmonary Clinic and consult on the inpatient unit, PICU, and NICU. They will also join one of the three pediatric pulmonologists when consulting on the pediatric inpatient unit, PICU, and NICU.
Objectives:

1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent.
2. Understand and interpret basic imaging of the respiratory system and lung function testing.
3. Establish a level of competence in diagnosing and managing asthma in children utilizing the NIH Asthma Guidelines.
4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.
5. Have a familiarity with common respiratory therapeutic agents employed in pediatrics including airway clearance techniques and asthma pharmacotherapy.

Rotation Activities:

This elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of respiratory disease in children. 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 from the attending faculty and a preceptor. The student leader, 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

Contact:

Tammy Winterhalt
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 and surgical problems. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both a
   ssess 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 addi-

**Patient Encounters:**

**Evaluation:**

Final evaluations will be based on the guidelines presented on the evaluation form and the de-

**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 va-

**Objectives:**

1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data
2. The student will learn to incorporate accumulated data with critical thinking skills to both a
3. The student will learn to appreciate the utility and usefulness of both invasive and non-inv

Rotation Activities:

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:

Special Instructions:** Students who select a 2 week rotation may only have 1 day of absence excused.

<table>
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<tr>
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<th>Weibley, Richard</th>
</tr>
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**Click here for additional course information**

**Contact:**

**driggs@health.usf.edu**

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

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

Description:

is a multidisciplinary unit providing acute care for pediatric patients with a wide vari

Objectives:

1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data
2. The student will learn to incorporate accumulated data with critical thinking skills to both a
3. The student will learn to appreciate the utility and usefulness of both invasive and non-inv.
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:

Special Instructions: **Students who select a 2 week rotation may only have 1 day of absence excused.**

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Contact: Dr. Mitzi Gomgo5@jhmi.edu

Dawn Jones
Admin
dawn.jones@jhmi.edu

ACH GME
(727) 767-4106

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

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

Description:

Objectives: Students will be taught to provide patient care that is compassionate, appropriate and effective for the promotion of health, prevention of illness, treatment of disease and at the end of life in the neonatal intensive care unit.

Rotation Activities:

Students will attend the NICU follow-up clinic. Students will have the opportunity to follow nutritional, developmental, and 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, endotracheal 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

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<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 diagnosis and treatment
3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal problems
4. Explain the role genetics, biochemistry and molecular biology has on the digestive system
5. Justify the use of drugs to treat gastrointestinal conditions and be able to explain the pharmacological effects on the body
6. Summarize the principles of gastrointestinal surgery and be able to assess the risks and benefits of surgical procedures.

Rotation Activities:
The student will attend the Pediatric Gastroenterology clinic with one of the attendings, discus


d floor on the Cedar Crest campus.

Patient Encounters:
Evaluations will be evaluated on multiple aspects of patient care and clinical performance durin

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:

Peds | MEL | ACH | Adult | Med or | Newborn | 1 | 0 | 40 | 4 | Wilsey, Mike | Clinical

Contact:
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 diagnosis and treatment
3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal problems
4. Explain the role genetics, biochemistry and molecular biology has on the digestive system
5. Justify the use of drugs to treat gastrointestinal conditions and be able to explain the pharmacological effects on the body
6. Summarize the principles of gastrointestinal surgery and be able to assess the risks and benefits of surgical procedures.

Rotation Activities:

Students will be expected to participate in clinical gastrointestinal rounds and Gastroenterology Journal Club. They will observe diagnostic modalities such as endoscopy, manometry, esophageal dilation, and suction rectal biopsies.

Patient Encounters:

Students will be expected to read about the diseases of their clinic and hospital patients. Clinical assessment and management.

Syllabus:

Visiting Students:

No

Special Instructions:

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

Contact:

Wassam Rahman, Dr. Laleh Bahar-Posey

Danielle Wolfson, Emergency Admin Coordinator

Wrahman2@jhmi.edu

lbaharp@jhmi.edu

dmeacha2@jhmi.edu
Beth McLaughlin
emclaug6@jhmi.edu
(727) 767-4106
For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638
Report to: will be provided one week prior to the start of the rotation

Description:
The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of acutely ill and injured children.

By the completion of the rotation, students will be able to identify an acutely ill or injured child.

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 healthcare team and participate directly in all aspects of patient care. Activities include but are not limited to patient evaluation, chart review, and monthly mock code scenarios.

Patient Encounters:

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

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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</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 identification and management of acutely ill or injured children. Students will be able to identify an acutely ill or injured child and develop and implement an appropriate management plan.

Objectives:
1. Introduce students to the clinical aspects of pediatric emergency medicine
2. Learn the basics of work-up and care for the pediatric emergency patient

Rotation Activities:
Students are integrated into the health care team and participate directly in all aspects of patient care. Activities include triage, bedside ultrasound, resident rounds, fellow rounds, radiology rounds, chart review, plus monthly mock code scenarios designed to integrate with syllabus material.

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:

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<tr>
<th>Peds</th>
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<th>40-44</th>
<th>4</th>
<th>Berman, David</th>
<th>Clinical</th>
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</table>

Contact: David Berman
dberma19@jhmi.edu
(813) 259-8725

A CH GME
For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

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

Description: Elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease (ID) 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, with time also spent in the Emergency Department. An inpatient consult rotation is 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 and the use of informal quizzes.

Syllabus:

Visiting Students:
- No

Special Instructions:
- Please contact the department at least two weeks prior to starting elective.
- Transportation may be needed for travel between hospitals and clinics.
- No night call is required.
- **Students who select a 2 week rotation may only have 1 day of absence excused.**

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<tr>
<th>Peds</th>
<th>MEL 8582 Pediatric Infectious Diseases</th>
<th>TGH 2-11</th>
<th>Pri Care or Mat Newborn</th>
<th>1 0 40-44 4</th>
<th>Bergamo, Dale</th>
<th>Clinical</th>
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</thead>
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Contact: Dale Bergamo
**Description:**

This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Diseases team.

**Objectives:**

**Rotation Activities:**

The majority of time is spent on inpatient consults. The student is exposed to all areas of the hospital since consults are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

**Patient Encounters:**

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

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

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.**

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

Report to: Dr. Tibisay Villalobos  
Pediatric Infectious Disease Physician Inpatient Unit at Cedar Crest.

Description: An elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team. The majority of time is spent on inpatient rounds with the pediatrics service, and the student is expected to participate in all rounds and consults. The student is also expected to assist with daily consults, perform history and physical examinations, and assist with patient care. The student is expected to present one case study each week to the Infectious Disease team. The student will also spend time in the outpatient clinic and the emergency department. The student will also attend weekly journal club, present an article each week, and participate in other educational opportunities provided by 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 bedside. 5. Learn about antimicrobials and the proper use in pediatrics. 6. Identify the immunizations administered during childhood and adolescence and evaluate the indications for specific vaccines. 7. Learn basic concepts of Hospital Epidemiology and Infection Prevention / Control and how to apply them to daily clinical practice. 8. Understand the principles of treatment for most common infectious diseases. 9. Identify infectious disease in the perinatal period that can cause congenital and neonatal infections. 10. Learn about travel medicine and global health: how infectious diseases spread around the world.

Learning Outcomes: This course will prepare the student to diagnose, treat and manage common infectious diseases in children. Students will be expected to identify common pathogens and their relevant symptoms, as well as the appropriate antimicrobial treatments. The student will also be able to recognize when immunization status is relevant and how it affects infection outcomes. Students will be able to apply basic concepts of Hospital Epidemiology and Infection Prevention / Control to daily clinical practice. They will also be able to understand the principles of treatment for most common infectious diseases. Finally, students will be able to recognize infectious disease in the perinatal period and its potential complications.

Rotation Activities: Students will join pediatric rounds each day with the Pediatric Infectious Disease team, inclusive of weekends. They will also be expected to present case studies each week to the Infectious Disease team. A short project or presentation is voluntary and up to the needs and interests of the student.

Patient Encounters:

Evaluation: Students will be evaluated on multiple aspects of patient care and clinical performance during the rotation. This includes the ability to perform physical examinations, take complete histories, and present case studies. The final evaluation will consist of a written report, as well as a final evaluation with formative and summative comments based on clinical performance, knowledge and skills.

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:
The elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to develop important skills while working in a variety of settings. They will also have the opportunity to develop skills in working with families and providers of adolescents. Students can also participate in adolescent health care in school-based clinics, at both high school and college settings.

Objectives:
1. Appreciate the unique medical and health needs of the adolescent population
2. Increase comfort level in communicating with teenagers, performing psychosocial risk interviews using the HEADDSS assessment, and providing preventive health anticipatory guidance for adolescents
3. Understand the normal sequence of physical growth and psychological development during puberty, and be able to accurately stage sexual development with Tanner staging
4. Perform a well adolescent physical and take on the role of primary care provider in working with specialists and others
5. Act as a subspecialist consultant for patients referred by outside primary care providers, and communicate the findings and plan of action back to the PCP
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, 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 obesity and substance abuse problems in adolescents; and at a variety of other settings, learning about sports medicine.

Students will work closely with residents from USF pediatrics, and depending on the site the student is working at, they may be available to attend the USF Residency program conferences.

Patient Encounter:
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:
May be needed for travel between hospitals and clinics.
Prior approval required from the course director (Dr. Straub) prior to start of the elective.

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<th>LVHN 7-11</th>
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</table>

Description:
This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to gain knowledge and skills in adolescent medicine through clinical experiences, didactics, and self-directed learning. Students can also participate in adolescent health care in school-based clinics, at both high school and college settings.

Objectives:
1. Appreciate the unique medical and health needs of the adolescent population
2. Increase comfort level in communicating with teenagers, performing psychosocial risk interviewing
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 and subspecialists
5. Act as a subspecialist consultant for patients referred by outside primary care providers, a role that includes communication and education of the primary care provider about adolescent health
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, 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 promote healthy behaviors.
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:

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:

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

Special Instructions: N/A

Contact:

Dr. Justyna Wojas
jwojas@health.usf.edu

Dr. Tanya Murphy
tmurphy@health.usf.edu

Amber Berkham, Admin
aberkha4@jhmi.edu

rothmanctr@health.usf.edu
(727) 767-8230

ACH GME
For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

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

Description: This elective is designed to introduce senior medical students to the identification, evaluation, and treatment of children and adolescents with psychiatric disorders, with a focus on the following conditions:

Autoimmune Neuropsychiatric Disorders associated with Streptococcal Infections (PANDAS), and Autism spectrum disorders.

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, and attend various seminars and workshops.

Patient Encounters:

Evaluation:

Faculty observation and evaluation of student/patient interactions, case presentations, journal article discussions and written assessments.

Syllabus:

Visiting Students:

No

Special Instructions:

Contact Dr. Murphy at least one month prior to the start of the elective.

Transportation may be needed for travel between hospitals and clinics.
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**Description:**

This course will be conducted in a seminar style fashion. Students will meet with faculty to review recent articles about dementia. Topics will include underlying pathophysiology, genetics, diagnostic methods, treatment and prevention of dementia.

**Objectives:**

At the end of the course students will be able to:

1. Discuss the latest models of how neuropathological protein misfolding occurs in the brain and its role in the development of dementia along with other pathophysiology that leads to dementia.
2. Describe trophic factors that support neuron functioning and toxins that may accelerate dementing processes.
3. Identify evolutionary and genetic factors that make a person susceptible to dementia and current recommendations for identifying these factors in clinical care.

Contact:

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

Report to:  
JAHVA Main Hospital  
GA-004  
8:00 AM

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Click here for additional course information.
4. Discuss potential interventions to prevent dementia
5. Discuss the work up for a patient with mild cognitive impairment or early dementia
6. Describe the pathways and biological targets for pharmacologic and non-pharmacologic interventions

Rotation Activities:
Students will meet with course faculty to review recent papers about advance in the understanding of the development, progression, and treatment of cognitive impairment.

Patient Encounters:

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:

Special Instructions:

Psych 8811 Integration of Brain Networks

Click here for additional course information

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368
Dr. Frank Kozel
(813) 972-2000 ext. 5289

Report to:
JAHVA Hospital
Building 68, Room 227
1:00 PM
The course will provide a conceptual framework to think about brain disease following the National Institute of Mental Health guidelines. 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—such as central nervous system structures.
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, a small conceptual paper will be required.

Patient Encounters:
N/A

Evaluation:
Students will be evaluated based on faculty evaluation of interaction, participation, peer evaluation, and a final scholarly project.

Syllabus:
Visiting Students:
No

Special Instructions:
N/A

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368
Dr. Cory Klippel
Cory.Klippel@va.gov
Description gives the student the unique opportunity to participate in the evaluation, diagnosis, and management of psychiatric emergencies within the acute care setting. The elective provides the student with the opportunity to demonstrate the ability to:

1. Obtain a history and perform relevant physical exam for urgent psychiatric complaints
2. Conduct a thorough mental status assessment inclusive of:
   1. A comprehensive assessment for dangerousness inclusive of suicide and violence risk
   2. Use of the MoCA to screen for cognitive deficits
3. Differentiate functional from organic disorders, define and identify common psychotic, affective and characterological disorders
4. Recognize interaction of substance abuse with other syndromes
5. Differentiate problems which require further inpatient assessment and treatment versus outpatient care
6. Appropriately utilize medications and recognize major side effects
7. Use of brief interventions inclusive of crisis intervention, chemical and physical restraint, etc.
8. Describe the elements required for confidentiality, involuntary hospitalization and surrogate decision making under the Florida statutes and Mental Health Code.
9. Identify appropriate sources of collateral information to inform the psychiatric evaluation (i.e. family, pharmacy, ALF, narcotic verification registry, etc.)
10. Demonstrate the ability to document a psychiatric history, mental status exam and medical decision making for an urgent psychiatric assessment.

Rotation Activities:
1. Perform supervised clinical interviews with the patient in the acute crisis setting Monday-Friday 8AM-4:30 PM
2. Demonstrate the ability to refine both oral and written psychiatric presentations.
3. In-service lectures on common topics relevant to psychiatric care in the acute care setting.

Patient Encounters:

Evaluation: Direct observation by supervising faculty of interviewing and PE skills (at least weekly)
Review of medical documentation by faculty supervising the rotation (daily)
10 minute oral presentation on a topic of interest

The grade will be compromised of 75% clinical evaluation and 25% oral presentation on a topic of interest.

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

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</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. The course will include a mix of didactic lectures, case presentations, and practical experience in the clinic setting. Opportunities for hands-on learning and direct patient care will be available.

**Objectives:**

By the end of the rotation, students will be able to:

1. Describe common presenting symptoms and disorders in various outpatient psychiatric settings.

2. Discuss challenges in establishing a psychiatric diagnosis in the outpatient setting.

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[Click here for additional course information]
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 setting.

Rotation Activities:
Students will see new and established patients in conjunction with psychiatry residents and faculty.

Patient Encounters:

Evaluation:
The supervising faculty will evaluate the student's clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus:
MEL 8109 Outpt Psych Syllabus.pdf

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

Special Instructions:
N/A

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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:**  
The elective is designed to provide the interested student with an opportunity to develop dia,...

**Objectives:**  
End of the rotation students will be able to:

1. Describe how to evaluate and diagnose common psychiatric and behavioral disorders in children.
2. Discuss the role of psychotherapy including individual and family therapy in the treatment of psychiatric disorders.
3. Discuss legal and ethical aspects of psychiatric care for children and adolescents including informed consent, assent and confidentiality in the outpatient setting.
4. List community agencies available to help children with psychiatric and behavioral problems.

**Rotation Activities:**  
Students will see new and established patients and families in conjunction with psychiatry residents and faculty.

**Patient Encounters:**

- **Evaluation:** The supervising faculty will evaluate the student's clinical performance according to the elective goals.
  - 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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</table>
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 of psychiatric problems including common behavioral disorders that are commonly encountered in family medicine and pediatric practices.

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 be involved in the day to day care of their patients. Students will also be expected to give a 10-minute presentation on a relevant topic of interest.

Patient Encounters:

Evaluation:
The supervising faculty will evaluate the student's clinical performance according to the elective objectives.
The student will conduct a 10-minute presentation on a relevant topic of interest.
The student will submit medical documentation for review by faculty.

Syllabus:

Visiting Students:

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

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</thead>
</table>

Contact:
PCRump
pcrump@health.usf.edu
(813) 974-5368
Dr. Jean Fils
jfils@health.usf.edu

Report to:
JAHVA Hospital Acute Recovery Unit (ARC) 30-G
Ground Fl of the nursing home
8:00 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612

Description:
This elective is designed to provide interested senior medical students with an advanced experience in the evaluation and management of patients with memory complaints and psychiatric disorders.

Objectives:
1. Become familiar with the multidisciplinary assessment of elderly patients
2. Develop specialized diagnostic skills for identifying and differentiating the multiple causes of dementia
3. Learn how to integrate psychiatry and medical care of the elderly
4. Become familiar with utilization of community resources in the care of the elderly
5. Become familiar with the therapeutic rapport between physician and the patient’s family or care giver

Rotation Activities:
The student will spend the majority of the elective at the Memory Disorders Clinic at the Psychiatry Center. The student will also spend time at the JAHVA Acute Recovery Nursing Unit and 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 asked to reflect on the elective by completing a self-evaluation of what he/she learned on the elective, and a critique of his/her elective experience.

Syllabus:

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

Contact:

 Pat Crump
 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 ... compose 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 includin
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
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...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.

Contact:
Dr. 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...compose discharge summaries. Close supervision, seminars, and independent study will complement the clinical activities.

Objectives:
1. Examine various psychiatric conditions in greater depth while determining the best method of treatment for these conditions
2. Analyze and identify appropriate uses of psychotropic medication
3. Develop a familiarity with a variety of psychotherapy modalities including individual, group
4. Develop effective interviewing skills used when working with psychiatric patients

Rotation Activities:
Students rotate on the inpatient psychiatry unit. They will follow several patients on the unit...
**Patient Encounters:**

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 the activities, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

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

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**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, an independent 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 Instruction will also be at the University Psychiatry Center.

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Contact:

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

Report to:

JAHVA Hospital Outpatient Psychiatry Clinic

1077 N. 46 th 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
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 complete a self-assessment of his/her knowledge, skills, and abilities, 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

Description:
This elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine with a focus on geriatric, HIV/AIDS, and other chronic infections, substance use, and dementia. Clinical rotations will include community mental health, psychiatry, inpatient and outpatient settings, and substance use treatment programs. Students will develop competencies in the psychiatric evaluation and management of patients with comorbid psychiatric and medical conditions, with an emphasis on care for the medically ill. The supervising faculty will evaluate the student’s clinical performance according to the elective objectives. In addition, the student will complete a self-assessment of his/her knowledge, skills, and abilities, and a critique of his/her elective experience.

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

Dr. Kimberly Hartney
(941) 276-3759

Report to:
Tampa General Hospital
2nd Fl
7:30 AM

Follow the signs to the rehab building. Once you cross the glass-enclosed walkway, you will...
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 1
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:
The 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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Contact:
pcrump@health.usf.edu
Description: This elective is designed to provide students with a greater understanding of the interface between psychiatry and internal medicine. It focuses on psychiatric diagnoses common in the medically ill, including mood disorders, conversion disorders, psychotic disorders, delirium, dementias, and other organic illnesses.

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 other 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
### Description

This elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, with a focus on psychiatric diagnoses in both the adult and child populations. In particular, the elective includes an exploration of 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.

### 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

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</table>

Contact: Siddhartha Maru

Siddhartha.Maru@lvhn.org

(484) 884-6503

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

Description: The elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, with a focus on psychiatric diagnoses in both the adult and child populations.

Objectives: The elective includes an exploration of mood disorders, conversion disorders, psychotic disorders, delirium, dementias, and other organic illnesses.

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.

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</th>
<th>T-VAH</th>
<th>Psych/Neuro</th>
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<th>40</th>
<th>2,4</th>
<th>Currier, Glenn</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

PCRUMP

pcrump@health.usf.edu

(813) 974-5368

Dr. Jaime Fernandez

(917) 822-4293

Dr. Frank Kozel

(813) 974-2000 ext. 5289

Kim Vantrees, Nurse Treater

Kimberly.Vantrees@va.gov

Memorial Hospital

2901 W. Swann Avenue, Tampa, FL 33609

Go to the main entrance and text Dr. Fernandez when you arrive.

Description:

This elective is designed to introduce senior students to the use of various forms of neural stimulation in the treatment of psychiatric disorders, with the goal of providing 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, vagal nerve stimulation, and electroconvulsive therapy

6. Participate in the treatment of patients with electroconvulsive therapy, transcranial magnetic stimulation, and deep brain stimulation

Rotation Activities:

Students will see patients at the James A Haley Neurotherapies Clinic, Memorial Hospital, and other related settings. This will involve hands-on experience with the implementation of neurostimulation, selection of appropriate patients, and the implementation of neurostimulation treatment plans.
Patient Encounters:

Students will work closely with the Neurostimulation Attending who will provide the assessment.

Syllabus:

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

Special Instructions:
Obtain required reading from Pat Crump before the rotation starts. Part of the rotation will occur at Memorial Hospital.

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

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

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. Students will spend this time under faculty supervision and review and will evaluate the literature that pertains to his/her chosen topic.

Objectives:
1. Increase the knowledge of psychiatry and behavioral medicine in an area of particular interest to the student
2. Become familiar with research methodology
3. Gain an enhanced perspective of the role of behavioral principles in the practice of psychiatry and medicine
Rotation Activities: 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. The student will provide the research supervisor with a written critique of his/her elective experience.

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. The student will present his/her independent project, which will be reviewed and evaluated by the faculty. The student will also review the literature that pertains to his/her chosen topic.

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. The research supervisor will provide the student with a written critique of his/her research performance. In addition, the student will provide the elective supervisor with a written critique of his/her elective experience.

Syllabus:

Visiting Students:

Special Instructions: Prior approval from the department (the Chair of Psychiatry or Faculty supervisor for the rotation) required. For UPC, call 813-974-4657 to make an appointment with the chair.

Contact: Cody Donchez
Administrative Secretary
Radiology Administration
Cody_A.Donchez@lvhn.org
(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 subspecialty setting. The student will observe and participate in the educational and patient care activities of the attending radiologists and the use of audio-visual aids including online pediatric radiology teaching files and courses.
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

Patient Encounters:

Evaluation:

Students will be evaluated based on feedback from the various attending radiologists who in...

Syllabus:

Visiting Students:

Special Instructions:

Radiology  MDE 8771 Radiological Anatomy

<table>
<thead>
<tr>
<th>Radiology</th>
<th>MDE 8771 Radiological Anatomy</th>
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<tbody>
<tr>
<td>USFMS</td>
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<td>4</td>
<td>Decker, Summer</td>
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<tr>
<td>Basic Science</td>
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</table>

Contact:

McArthur

Medical Education Coordinator
dmcarthur@health.usf.edu
Dr. Summer Decker
sdecker@health.usf.edu
Dr. Jonathan Ford  
jford@health.usf.edu

Report To:  
Dr. Decker

Description:  
This elective is designed to provide students with a self-study program in radiological anatomy as it relates to medical imaging modalities. The program will include cross-sectional imaging of the brain, head and neck, spine, upper and lower limb, thorax, abdomen, and pelvis.

Objectives:  
1. Identify important anatomical structures of the head, neck, brain, and spine in different medical imaging modalities.
2. Identify important anatomical structures of the musculoskeletal system of the upper and lower extremities.
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 rescheduling is on the universal reschedule date in April.

<table>
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<tr>
<th>Radiology</th>
<th>MDE 8772 Breast Imaging</th>
<th>MCC</th>
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<tr>
<td>Special Instructions</td>
<td>Final exam proctored on last day of elective in the USF Testing Center. The only option for re.</td>
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</table>
Report to: Will be provided one week prior to the start of the rotation

Description: This elective is designed to introduce senior medical students to the role and practice of breast imaging and image guided diagnostic procedures in disorders of the breast.

Objectives:
1. Develop an understanding of the effects of screening mammography on population based survival rates and the current recommendations for screening mammography.
2. Discuss the most common pathologic entities of the breast.
3. Develop a sound understanding of how to interpret a screening mammogram using the BI-RADS lexicon.
4. Understand when a diagnostic mammogram, ultrasound or MRI is indicated in the evaluation.
5. Observe mammograms and breast ultrasounds being performed and interpreted.
6. Understand the strengths and limitations of various breast imaging techniques.
7. Describe image guided breast procedures and their indications.
8. Develop an understanding for the interdisciplinary environment of breast care with radiologists, clinicians and surgeons, including attending weekly tumor board conference.
9. Follow a patient from image guided needle localization to lumpectomy.
10. Have the opportunity to be involved in research for publication if a 4 week elective is chosen.

Rotation Activities:
The student will review breast imaging studies with faculty and diagnostic radiology housestaff.

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

Syllabus:

Visiting Students:

Special Instructions:

| Radiology | MEL 7700 Intro to Radiology | TGH | 2-11 | None, Yr 3 only | 2 | 0 | 40 | 2 | Hazeltown, Todd | Clinical |
Contact: Destiny McArthur
Medical Education Coordinator
dmcarthur@health.usf.edu

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

1st day Orientation for Periods A
Assigned rotation for Periods B

Description: This two week elective is designed specifically for third year medical students to provide an introduction to diagnostic imaging in all subspecialties. The course is designed to prepare students for the upcoming clinical rotations and to provide them with an understanding of the various imaging modalities and their applications.

Objectives:
1. The medical student will develop an appreciation of the complexity of diagnostic imaging including an understanding of the types of studies which are available and the information they can provide.
2. The students will also gain an understanding of the clinical indications for obtaining studies, the relative risk/benefit of radiologic procedures and the basic technical aspects of how examinations are performed.
3. The student will develop an understanding of the differences between, and interactions among, each of the imaging specialties and the operation of these radiologic subspecialties in the context of modern radiologic and medical practice.
4. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate imaging: tumor ulceration, increased intracranial pressure, space occupying lesions, bone, fracture, elbow joint effusion, and shoulder dislocation.

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

Patient Encounters:

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

Syllabus:

Visiting Students:

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

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<tr>
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<th>MEL 7701 Neuroradiology</th>
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<th>Murtagh, Ryan</th>
<th>Clinical</th>
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</table>

Click here for additional course information
### Elective Description

**Description:**
This elective is designed to introduce senior students to the practice of neuroradiology, including computed tomography (CT), magnetic resonance imaging (MRI), CT angiography (CTA), and MR angiography (MRA). Students will have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at Tampa General Hospital.

### Objectives
- **Objective 1:** An understanding of the indications for advanced neuroimaging (CT, MRI, CTA, MRA)
- **Objective 2:** A fundamental understanding of basic neuroimaging with respect to pertinent normal anatomy
- **Objective 3:** The ability to categorize and organize subdivisions of neuroimaging such as cerebrovascular, neoplasms, infection, etc.
- **Objective 4:** The ability to discuss the most common neuropathologic entities
- **Objective 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 (USF) and the James A. Haley VA Hospital.

### Patient Encounters
- **Patient Encounters:** Students are responsible for contacting the course director within the first 3 days of the rotation.

### Evaluation
- **Evaluation:** Students are evaluated based on daily attendance and by a written evaluation at the end of the course.

### Syllabus
- **Syllabus:**

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<table>
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<th>Radiology</th>
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<th>Zwiebel, Bruce</th>
<th>Clinical</th>
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</thead>
</table>

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**Contact:**
Medical Education Coordinator
dmcarthur@health.usf.edu
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. The student will gain knowledge about a wide range of interventional radiologic procedures.

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

Patient Encounters:
Evaluation form and evaluation by the attendings will be used to measure grade.

Syllabus:

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

Special Instructions:
N/A
2. Identify the role of disease specific image guided interventions

3. Gain knowledge on patient evaluation/candidacy, image guided techniques, and post procedural management.

4. Understand the multidisciplinary options for cancer patients

Rotation Activities:

The student will have additional opportunities to participate in multidisciplinary conferences.

Patient Encounters:

Evaluation criteria include attendance, quality of comprehension, and clinical performance in patient care.

Syllabus:

Suggested Literature: Handbook of Interventional Radiologic Procedures – Kandarpa

Visiting Students:

No

Special Instructions:

N/A

Radiology

MEL 7710 Musculoskeletal Imaging

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

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

Description: This elective is designed to introduce senior students to the practice of musculoskeletal imaging, including musculoskeletal imaging lectures and conferences at USF, Tampa General Hospital, and the H. Lee Moffitt Cancer Center.

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

1. An understanding of the indications for advanced musculoskeletal imaging (ultrasound, CT, arthrography, MRI)

2. A fundamental understanding of basic musculoskeletal imaging with respect to pertinent normal anatomy in a musculoskeletal radiograph

3. The ability to categorize and organize subdivisions of musculoskeletal imaging such as rheumatology, neoplasm, infection, etc.

4. The ability to discuss the most common musculoskeletal pathologic entities
5. A basic understanding of technique and indications for arthrography, bone biopsy, and other invasive procedures

Rotation Activities:
The student will review musculoskeletal imaging studies with musculoskeletal imaging faculty.

Patient Encounters:
Evaluations: 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:

<table>
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<tr>
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<th>MEL 8704 Diagnostic Radiology</th>
<th>TGH</th>
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<th>Yr 4 Status</th>
<th>7</th>
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<th>Hazelton, Todd</th>
<th>Clinical</th>
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</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 provide an introduction to diagnostic radiology for medical students to develop basic knowledge of the importance of diagnostic imaging in medicine and to develop an understanding of the principles of diagnostic radiology.

Objectives:
1. Students will develop a basic understanding of radiation safety and the risks of radiation exposure. They will be able to discuss the proper use of radiation, recognize the increased intracranial pressure, space occupying lesions, bone, fracture, elbow joint effusion, and shoulder dislocation.
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 radiographs:
   - Increased intracranial pressure
   - Space occupying lesions
   - Bone
   - Fracture
   - Elbow joint effusion
   - Shoulder dislocation
Rotation Activities:
The student will rotate through the following subspecialty areas of diagnostic radiology: body imaging, cardiopulmonary radiography, computed tomography, and magnetic resonance imaging. A final exam will be given at the end of the elective.

Patient Encounters:
Evaluation:
The student will work closely with attending diagnostic radiologists and housestaff who will provide assessment of the student's knowledge and skills. Both written questions and images will cover the reading assignments, didactic lectures, and important imaging diagnoses.

Syllabus:
Will be posted on Canvas

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

Special Instructions:
All rescheduled final exams are only given on one universal date in April.

<table>
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<tr>
<th>Radiology</th>
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<th>Kowal, Alexander</th>
<th>Clinical</th>
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</thead>
</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 diagnostic radiologists. The student can also choose to spend more time in a particular area of interest if requested.

Objectives:
1. Students will develop an appreciation of the broad services a modern diagnostic radiology department provides, including all of the major modalities (radiography, CT, MR, US, nuclear medicine) and dedicated imaging of pediatric patients.
2. Students will be introduced to the concept of Appropriateness Criteria (as developed by the ACR) so that they may choose appropriate imaging examinations in the future, no matter what medical specialty they choose.
3. Students can expect to observe and be taught to recognize common and life threatening conditions including tube and bowel obstruction, fractures, dislocations, bowel wall thickening, abdominal masses, intracranial hemorrhage and stroke.
**Patient Encounters:**

**Evaluation:** 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

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<table>
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<th>Clinical</th>
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</thead>
</table>

**Contact:**

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 introduce senior students to the practice of cardiac and pulmonary imaging, including the ability to identify and interpret advanced cardiothoracic imaging studies. Students will gain an understanding of the role of imaging and diagnostic procedures in disorders of the heart, mediastinum, pleura, airways and lungs.

**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:**

Students will review cardiothoracic imaging studies with faculty and diagnostic radiology housestaff at Tampa General Hospital. They will also participate in a multidisciplinary conference to discuss case presentations and current trends in cardiothoracic imaging.

**Patient Encounters:**

Students will work closely with the attending radiologists and housestaff who will provide feedback on their performance.
Syllabus:

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

Special Instructions:
N/A

Radiology MEL 8711 Body Imaging

Click here for additional course information

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 introduce senior students to the practice of abdominal imaging, including ultrasound, CT, and MRI. The student will gain an understanding of the role of cross-sectional imaging and diagnostic procedures in disorders of the abdomen and pelvis.

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

Rotation Activities:
The student will review body imaging studies with faculty and diagnostic radiology housestaff.

Patient Encounters:

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.

Special Instructions: Students must enroll at least 60 days prior to the start of the rotation for IT security purposes.

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, computed tomography, and magnetic resonance imaging. Upon completion of 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: The student will review body imaging studies with faculty and diagnostic radiology housestaff at Tampa General Hospital. The student will observe the performance of procedures and be involved in the diagnostic process.

Patient Encounters:

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

Syllabus:
**Radiology MEL 7320R Externship - Radiology**

| Specialty          | Year | Status | Limit | Minimum | Maximum | Faculty
|-------------------|------|--------|-------|---------|---------|---------
| Radiology         | 1-7  | No     | 0     | 44      | 4       | Externs

**Radiology MEL 9999R Independent Study - Radiology**

| Specialty          | Year | Status | Limit | Minimum | Maximum | Faculty
|-------------------|------|--------|-------|---------|---------|---------
| Radiology         | 1-11 | No     | 0     | 40      | 2,4     | Indep

**Surgery MDE 8605 Vascular Surgery Elective**

| Specialty          | Year | Status | Minimum | Maximum | Faculty
|-------------------|------|--------|---------|---------|---------
| LVH-CC            | 1-11 | 1      | 60-70   | 4       | Guzzo, James

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 under the supervision of attending surgeons. The student will become familiar with work in the Non-Invasive Vascular Laboratory and Interventional Radiology.

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, busy service with a high volume of patients requiring noninvasive vascular diagnosis and interventional radiology. The student will become familiar with work in the Non-Invasive Vascular Laboratory and Interventional Radiology.

Patient Encounters: 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: Students will discuss personal goals with chair prior to start of rotation.

Surgery
MDE 8632 Cardiac Surgery
LVH-CC 1-11 Yr 4 Status 1 0 60-70 4 Misselbeck, Tim Clinical

Click here for additional course information

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

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

Description: Students will participate in the preoperative, intraoperative and postoperative care of this patient base. A basic understanding of 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. It is recommended that the student discuss personal goals with the chief of the division before starting the course.

Patient Encounters:

Students will be evaluated based on their ward performance.
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, cosmetic, and reconstructive surgery. Additional experiences are provided in the regional burn center. The Valley Health Network is 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, fluid, and electrolyte and volume status, infection, pain, respiratory, and nutritional status. Students will also participate in the evaluation of cosmetic and reconstructive patients. Students 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: 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 due 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 including colitis, diverticulitis, inflammatory bowel disease, colon polyps and colorectal cancer. This rotation will also include the evaluation of systemic disease affecting the colon and rectum such as hypertension, diabetes and chronic liver disease. Common colorectal problems affecting elderly veterans in VA healthcare facilities will also be addressed. The rotation will include fiberoptic colonoscopy and the evaluation and care of colon and rectal disorders arising from systemic disease.

Objectives:
1. Develop an understanding of the pathophysiology of common colorectal diseases
2. Create a differential diagnosis of colorectal disorders
3. Describe treatment and surgical options for colorectal disorders
4. Observe or participate in colorectal procedures and colonoscopies
5. Identify the relation of such disorders to systemic disease

Rotation Activities:
Students will participate in the outpatient, inpatient and surgical services provided by colorectal surgery. An emphasis will be placed on preoperative evaluation and operative decision making. Outpatient surgeries are performed at 17th street.

Patient Encounters:

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

Syllabus:

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

Special Instructions:

Surgery

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</tbody>
</table>
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. The course will take place at one of the following locations: Tampa General Hospital, or the USF campus. 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 will include:

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

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
### Surgery Subspecialties

#### 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.

#### 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 will be based on clinical performance based by direct observation.

#### Syllabus:

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#### Special Instructions:

- Contact:
  - Margaret Child
  - mmchild@health.usf.edu

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

- Description provides the student the opportunity to participate in hands-on care of surgical patients during rounds, in the operating room, clinic, and rounds.

- 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 will be based on clinical performance based by direct observation.

- Syllabus:

- Visiting Students:
  - No

- Special Instructions:
  - N/A

- Contact:
  - Hailee Hall
  - USF Plastic Surgery Residency Coordinator
  - haileehall@health.usf.edu
Description:
This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients including evaluation, surgical and outpatient care. Students actively engage with patients in the operating room. Students also participate in the outpatient follow-up care of the patients. No night call is required.

Objectives:
- Exposure to General Plastic Surgery, Cancer Reconstruction, Trauma, and Burn
- Rotation in Operating Rooms and Clinics
- Patient Encounters:
  - Evaluation will be completed by direct observation. There will be no examination.

Syllabus:

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

Special Instructions:
N/A

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
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 a variety of pathologies. 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:
Yes. Apply via Lehigh Valley Network on VSAS.

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 electing this course will work with the residents and faculty at LVHN Cedar Crest. Students will see a variety of surgical procedures and disease states. 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:

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

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:

Contact: Margaret Child
mmchild@health.usf.edu

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

Description:
Students selecting this course will work with the residents and faculty in the Division of Trauma.

Objectives:
1. Expose the senior student to the role of a surgical intern
2. Afford the student an in-depth experience in total patient management so these responsibilities may be assumed with confidence in the internship year

Rotation Activities:
As a member of the trauma team, students will participate in all endeavors and become conversant in the initial critical care and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.

Patient Encounters:

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

Syllabus:
**Surgery** | **MEL 7815** | **LVH-CC** | **9** | **Yr 4** | **Status** | **15** | **0** | **40** | **4** | **Stirparo, Joseph** | **Clinical**  
---|---|---|---|---|---|---|---|---|---|---|---  
**Advanced Surgical Skills**  
Click here for additional course information  
  
**Contact:** Joseph Stirparo MD  
Joseph_j.stirparo@lvhn.org  
(610) 402-1350  
  
**Report to:** Lehigh Valley Hospital – Cedar Crest – Surgical Simulation Center  
  
**Description:** This intensive elective is designed for the fourth year medical students who has a desire to enter a general surgery residency program. The course will include advanced surgical skills such as 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 participate in live patient cases and simulations to practice their surgical skills. 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

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**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 fellowship. The course will help students better understand the clinical management of patients both on the floor and in the ICU, as well as better prepare them to work in the operating room.

**Objectives:**

1. Complete common surgical procedures using simulators and prosections
2. Develop an advanced understanding of the etiology, pathogenesis and diagnostic studies used to diagnose and treat surgical diseases
3. Develop an advanced understanding of surgical treatment options and alternatives for surgical diseases
4. Be able to recognize and treat immediate life threatening conditions
5. Improve their ability to treat and relieve pain and suffering

**Rotation Activities:**

Didactics and simulation sessions at CAMLS

**Patient Encounters:**

Students will be evaluated based on laboratory performance, a final simulation exam, and attendance. Students will complete a self-assessment at the end of the rotation to identify areas for improvement. 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: This 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 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 participate in organ recovery, preservation, and transplantation. They will 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 workup of possible renal and liver transplant recipients, including 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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</table>

Contact:
Joseph Stirparo, MD
Joseph_j.stirparo@lvhn.org
(610) 402-1350
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 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:
Lehigh Valley Network on VSAS.

Special Instructions:
N/A

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

Surgery
MEL 7827
Advanced Surgical Intensive Care
LVH-CC 1-11 Yr 4 Status 2 0 60-70 4 Stirparo, Joseph
Clinical

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 in techniques of advanced surgical intensive care.

Objectives:
1. Describe common surgical complications, preoperative preparation of the complex surgical patient, and practical application of hemodynamic monitoring.

Click here for additional course information
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.

3. Examine pulmonary artery catheterization, placement of central venous catheters, and modalities of parenteral and enteral nutrition.

**Rotation Activities:**

While assisting a dedicated team, provide surgical critical care to patients with critical illnesses. Focus on the basic principles of critical care, including sedation, pain control, ventilator management, and management of shock states.

**Patient Encounters:**

**Syllabus:**

**Visiting Students:**

Yes. Apply via Lehigh Valley Network on VSAS.

**Special Instructions:**

N/A

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</tbody>
</table>

**Contact:**

Hailee Hall

haileehall@health.usf.edu

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 to provide care for patients with vascular 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:**

**Evaluation:**

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:
N/A

Surgery
MEL 7828
Vascular Surgery AI

LVH-CC
1-11
Yr 4
Status 1 0 60-70 4
Guzzo, James
Clinical

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

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

Description:
Students will participate in the preoperative, intraoperative and postoperative care of patients with vascular disease. Focused assessment and interpretation will be given. Focus will be on the preoperative assessment 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 attending staff, fellows, 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:
Lehigh Valley Network on VSAS.

Special Instructions:
N/A
### Surgery MDI 8605 Vascular Surgery Research

- **Contact:** Hailee Carroll
  - haileecarroll@health.usf.edu

- **Report to:** Dr. Murray Shames
  - mshames@health.usf.edu

**Description:** This elective is designed to allow students an exposure to research in vascular diagnosis and fundamental problems in vascular disease.

**Objectives:** Exposure to vascular diagnosis and research on fundamental problems in vascular disease.

**Rotation Activities:** This elective provides the student with an opportunity to have hands-on experience with instrumentation that map arterial diagnoses and fundamental problems in vascular disease.

**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 TGH 1 -11 Yr 4 Status

- **Visiting Students:**
  - Sanchez, Jaime

- **Clinical**
Description: The clinical elective affords the students an in-depth experience in total patient management as an acting intern on a surgical service.

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.
- Patient Encounters: The student is expected to function as an intern. Responsibility will vary with the ability of each student.
- Operating room experience will also be extensive.

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: N/A
This clinical elective affords the students an in-depth experience in total patient management as an acting intern on several 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. The student will also be involved in patient care, such as obtaining vital signs, setting up for surgery, postoperative care, and assisting with procedures such as central line placement, chest tube placement, etc. with appropriate supervision. Operating room experience will also be extensive.

Patient Encounters:

Evaluations will be evaluated based on their ward performance.

Syllabus:

Visiting Students:

Visiting students are not permitted.

Special Instructions:

Special instructions are not required.

Contact:

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

Reports are provided one week prior to the start of the rotation.

Description:

Students may choose to participate on 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

Click here for additional course information
Rotation Activities:

- Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various conference rotations.
- Some rotation conferences include the opportunity to present case reports with appropriate supervision.
- Operating room experience will also be extensive.

Patient Encounters:

- Students will be evaluated based on their ward performance.

Syllabus:

- The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for future professional development.
- Students will be evaluated based on their performance and will be offered feedback by their preceptor(s), fellows, residents, and other qualified faculty responsible for teaching and evaluation.

Special Instructions:

- N/A

Visiting Students:

- Yes. Apply via Lehigh Valley Network on VSAS.

Contact:

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

Description:

The Department of Urology provides comprehensive, urologic patient-oriented care with concern for quality of life and state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to

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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 members in the various clinic settings.

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 an emphasis on integrating technology with a state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for practice in other areas. The rotation will be at the University of South Florida, Bay Pines, 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.

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 faculty clinics and pre-operative work-up of urological patients. Students will learn from attending faculty members in the various clinic settings.

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 an emphasis on integrating technology with a state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for practice in other areas. The rotation will be at the University of South Florida, Bay Pines, 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.

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 faculty clinics and pre-operative work-up of urological patients. Students will learn from attending faculty members in the various clinic settings.

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 an emphasis on integrating technology with a state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for practice in other areas. The rotation will be at the University of South Florida, Bay Pines, 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.

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 faculty clinics and pre-operative work-up of urological patients. Students will learn from attending faculty members in the various clinic settings.

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 an emphasis on integrating technology with a state-of-the-art multidisciplinary patient care while striving to blend compassion, technology and advanced techniques.

The elective is an introduction to basic urology with emphasis on clinical service designed to provide a background for practice in other areas. The rotation will be at the University of South Florida, Bay Pines, 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.
Patient Encounters:

*Evaluate* 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: