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

**Tampa Instructions**

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

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

**LVHN Instructions**

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

- For housing requests, visit https://secure.jotformpro.com/form/40904101972953.
- Provide a copy (front and back) of their personal health insurance card to medicalstudents@lvhn.org.
- Complete student orientation requirements 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 everything on this site, including the CRIMINAL CLEARANCES

**Drop/Add open 4/16/18 - 01/31/19**

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.
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 **01/31/19**.
5. **Electives Open/Closed Report** - Please refer to this report when looking for courses that might have availability. This report will be updated on a weekly basis and does not reflect any pending requests still in the system. This report is meant to serve as a guideline.

---

**Instructions for Reading Report**

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

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

<table>
<thead>
<tr>
<th>Period</th>
<th>Prefix</th>
<th>Numb</th>
<th>Title</th>
<th>Site</th>
<th>1</th>
<th>2</th>
<th>3</th>
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<tbody>
<tr>
<td>4 WEEK PERIOD</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Y</td>
<td>USFMS</td>
<td>83</td>
<td>00</td>
<td>00</td>
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Elective Y is offered in periods 1, 5, 6, 9, 10, and 11. (Period 12 is an extra month for remediation purposes.) There are a total of 8 slots available in each of those periods. 3 students are enrolled in period 1, so there are 5 slots available. Period 10 is full.

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

<table>
<thead>
<tr>
<th>Period</th>
<th>Prefix</th>
<th>Numb</th>
<th>Title</th>
<th>Site</th>
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<tbody>
<tr>
<td>2 WEEK PERIOD A</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
<td>20</td>
<td>20</td>
<td>20</td>
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<tr>
<td>2 WEEK PERIOD B</td>
<td>MEL</td>
<td>xxxx</td>
<td>Elective Z</td>
<td>TGH</td>
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<td>4 WEEK PERIOD</td>
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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.

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**Course Key**

See [Course Key](#) for a definition of sites.
## Advanced Human Anatomy

**Department:** Anat  
**Course:** BMS 8187 Advanced Human Anatomy  
**Site:** USFMS  
**Periods:** 1, 3 - 11  
**Pre-req:** None  
**Max Enroll:** No Limit  
**Min Enroll:** 0  
**Hours/Wk:** 44  
**Weeks:** 2,4  
**Faculty:** Bharadwaj, Srinivas  
**Type:** Basic Science

*Click here for additional course information*

**Contact:** Dr. Srinivas Bharadwaj  
snagaraj@health.usf.edu

**Report to:** Contact Dr. Bharadwaj at snagaraj@health.usf.edu or Gross Anatomy Lab Monday 10:00 AM - 12:00 PM

**Description:** Advanced anatomy is an elective course designed to provide prospective students with an opportunity to review anatomical structures and function in the context of clinical problems. The course includes a review of basic embryology and developmental biology, with an emphasis on the development and functional aspects of the nervous system, musculoskeletal system, and organ systems. Students will also have the opportunity to engage in interactive laboratory settings to enhance their understanding of anatomical concepts and principles.

**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 process.
5. Develop experience and demonstrate competence in dissection/prosection techniques.
6. Develop in depth understanding of three-dimensional presentations of anatomy through... through interactive laboratory settings.
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.
### Applied Head and Neck Anatomy

**Description:**
Applied Head and Neck Anatomy is an elective course designed to provide prospective students with an opportunity to study the major developmental, structural, and functional aspects of the head and neck. The course is intended to enable students to understand the structural organization of the human body to the interpretation of disease processes that pertain to surgical as well as non-surgical fields.

**Objectives:**
1. Perform an in-depth study of anatomy as it relates to surgical and other clinically relevant disciplines
2. List the major pathologic processes that has a distinct gross anatomic correlate
3. **Outline the anatomic basis of procedures and associated complications**
4. Understand the structural organization of the human body to the interpretation of disease processes
5. Develop experience and demonstrate competence in dissection/prosection techniques

---

**Contact:**
Dr. Srinivas Bharadwaj
snagaraj@health.usf.edu

**Report to:**
Contact Dr. Bharadwaj at snagaraj@health.usf.edu or Gross Anatomy Lab Monday 10:00 AM - 12:00 PM

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**Rotation Activities:**

**Patient Encounters:**

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

**Syllabus:**
Elective Syllabus 18-19 Anatomy.pdf

**Visiting Students:**
No

**Special Instructions:**
N/A
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.

[Elective Syllabus MDE 8521.pdf]

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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</table>

**Contact:** Srinivas Bharadwaj
snagaraj@health.usf.edu

**Report to:** Dr. Bharadwaj at snagaraj@health.usf.edu or Gross Anatomy Lab Monday 10:00 AM - 12:00 PM

---

**Description:** Applied Anatomy of Musculoskeletal System is an elective course designed to provide prospective students with an in-depth understanding of the anatomy applicable to the anatomical basis of diseases that pertain to surgical as well as non-surgical fields.
Objectives:

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

Rotation Activities:

Patient Encounters:

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

Syllabus: Elective Syllabus MDE 8522.pdf

Visiting Students:

Special Instructions:

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</table>

Contact:
Description: The course is directed towards medical students who plan to enter Anesthesiology, Critical C
Objectives: The primary objective of this course is to introduce the student(s) to the practical/hands on a,
Rotation Activities: are expected to make preoperative rounds with the anesthesiology staff on,
Patient Encounters: intraoperative Patients - Multiple
Evaluation: practical, and/or written evaluations of medical students will include clinical performance.

Syllabus:

Visiting Students: 

Special Instructions: 

Anesth  
MDE 8700  
Anesthesiology Elective  
MCC 1 - 11 Yr 4 Status 1 0 50 4 Evans, Raymond  
Clinical  

LaCetta Carroll  
LaCetta.Carroll@moffitt.org  
(813) 745-1674  
Dr. Raymond Evans  
Raymond.Evans@moffitt.org  

Report to: Second Floor MCB Anesthesia Department  
12902 Magnolia Dr., Tampa, FL 33612
Description:
The course is directed towards medical students who plan to enter Anesthesiology, Critical Care Medicine, or Emergency Medicine. Excellent hand-eye coordination is a must for this course, since students are expected to perform procedures on patients.

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

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

Patient Encounters:

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

| Anesthesiology Elective | MDE 8700 | T-VAH 1 - 11 | Yr 4 Status | 1 | 0 | 50 | 4 | Kambam, Jayakumar | Clinical |

Contact:
Layne Jackson
Administrative Officer
Layne.Jackson@va.gov
(813) 972-2000, ext. 5157

Report to:
James A. Haley VA Medical Center
Room 2C-207
Monday at 8:00 AM (except for holidays)

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

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

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

Patient Encounters:

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

Evaluations:
Oral, practical, and/or written evaluations of the medical students will include clinical performance.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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</table>

Contact:
Frenziz
(610) 402-3212

Report to:
Cardiology Cath Lab office on 3C at Cedar Crest

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

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

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

2. Demonstrate proficiency in proper bedside physical examination.

3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac tachyarrhythmias, and tricuspid regurgitation, 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, ventricular tachycardia, left bundle branch block, left ventricular hypertrophy, acute myocardial infarction, ischemia, WPW, and hyperkalemia.

5. Infer heart size, presence of cephalization, infiltrate, pleural effusions, and pneumothorax.

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 information.
- Students will participate in daily teaching rounds with intern, medical resident, cardiology fellow.
- 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:

Contact:

Twyla Sumpter

tsumpter@health.usf.edu

Report to:

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

Description:

The Cardiology Consultative elective rotation is an experiential patient based rotation with integrative didactics that emphasizes the integration of 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 for feedback and evaluation. This should include a comprehensive understanding of the consultative request, the cardiovascular exam and testing, and the patient's overall care plan. It is expected that all aspects of the consultative service will be covered in detail, including the history and physical examination, the use of diagnostic tests, and the development of a plan of care.

**Objectives:**

1. Understand the question(s) framed from the originators of the consultative request and the answers to be provided for best outcomes of multidisciplinary care.
2. Develop and perform the focused cardiovascular interview question(s) and review of cardiovascular systems that are relevant to the consultative request.
3. Practice and refine the 5-point cardiovascular exam physical findings — general physical findings, interpretation of heart sounds, abnormalities of heart sounds, and distinguish heart murmurs associated with valvular heart disease.
4. Integrate the history and physical exam into efficient, appropriate, and cost effective test ordering for new diagnosis and ongoing management of prior or contemporarily defined cardiovascular problems.
5. Interpret, with supervision, the objective testing performed including ECG, imaging modalities.
6. Provide differential diagnosis and understand the classification of disease states that pertain.
7. Recognition and interpretation of ECG rhythms (heart blocks, tachyarrhythmias) and appropriate use of telemetry.
8. Participate in an environment of inquiry (including psychological safety) for the development of research questions and projects.
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 therapies to be applied including pharmacologic, interventional, and surgical solutions for best patient outcomes.

**Rotation Activities:**

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

**Patient Encounters:**

**Evaluation:**

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

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A

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| Card | MDE 8224 Consultative Cardiology | T-VAH 1 - 11 | Adult Med, Pri Care | 2 | 0 | 44 | 2,4 | Leonelli, Fabio | Clinical |

Contact: Twyla Sumpter
tsumpter@health.usf.edu
Report to Twyla Sumpter at least one week prior to the start of the rotation to determine your Cardiology Consultative elective rotation is an experiential patient based rotation with integrative didactics that will provide and reinforce the necessary 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 that a face to face “360” between learner and teacher(s) will be performed to evaluate the goals and objectives have been realized and deficiencies identified, so that future learner plans may be derived.

Objectives shall:

1. Understand the question(s) framed from the originators of the consultative request and the answers to be provided for best outcomes of multidisciplinary care
2. Develop and perform the focused cardiovascular interview question(s) and review of cardiovascular systems that are relevant to the consultative request
3. Practice and refine the 5-point cardiovascular exam physical findings - general physical findings, interpretation of heart sounds, abnormalities of heart sounds, and distinguish heart murmurs associated with valvular heart disease
4. Integrate the history and physical exam into efficient, appropriate, and cost effective test ordering for new diagnosis and ongoing management of prior or contemporarily defined cardiovascular problems
5. Interpret, with supervision, the objective testing performed including ECG, imaging modalities, and laboratory analyses
6. Provide differential diagnosis and understand the classification of disease states that pertain to the consultative request
7. Recognition and interpretation of ECG rhythms (heart blocks, tachyarrhythmias) and appropriate use of telemetry will be understood by the students
8. Participate in an environment of inquiry (including psychological safety) for the development of research questions and projects that may provide for future professional training and research endeavors in cardiovascular diseases
9. Develop the communication and cooperation skills for collaborative care with the requesting service and other sub-specialty services (Critical Care Medicine, Infectious Diseases, etc.)
10. Recognize the need for ongoing management of patients with multiple co-morbidities and the timeliness of continuity of care and/or withdrawal from the care path of individual patients.

Rotation Activities:

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

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:

No

Special Instructions:

N/A
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 and teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Objectives:
1. Demonstrate the knowledge and skills necessary to obtain a proper cardiac history. The student will pay special attention to and record medications, medication compliance, diet compliance, and risk factors for various cardiac diseases.
2. Demonstrate proficiency in proper bedside physical examination.
3. Be able to accurately assess the presence or absence of congestive heart failure, cardiac tamponade, basic murmurs of mitral stenosis, and tricuspid regurgitation, and the presence or absence of peripheral vascular disease and abdominal aortic aneurysms.
4. Demonstrate basic electrocardiographic skills including an understanding of basic arrhythmias such as atrial fibrillation, Wolff-Parkinson-White syndrome, and 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.
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 and teaching cardiologist. Attendance at various other weekly Cardiology Department teaching conferences is required.

Patient Encounters:

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

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:
Description: Upon completion of this elective, the student will be able to conduct a full dermatologic examination and will be able to make appropriate recommendations and referrals to the Dermatology residents. Periods 2, 3 and 4 are reserved for students applying to dermatology residency programs.

Objectives:

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

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

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

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

**Patient Encounters:**

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

**Syllabus:**

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

**Special Instructions:**

| Derm | MDE 8536 Elective in Dermatopathology | USFMS 8 - 11 | Yr 4 Status | 2 | 0 | 40-44 | 4 | Rodriguez-Waitkus, Paul |

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

**Referral:**
Rodriguez-Waitkus, MD, PhD
Director, Dermatopathology Lab, 4th Floor
Morsani Center for Advanced Healthcare
13330 USF Laurel Drive
Tampa, FL 33612

**Description:** This course is designed for students interested in expanding their knowledge of dermatopathology.
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. Ascertaining 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 with a resident or faculty member depending on availability of such a project.

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

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

Syllabus:

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

Special Instructions:
- None.

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

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

Derm MD 8250
Special Topics in Dermatology

<table>
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<tr>
<th>Derm</th>
<th>MDT 8250 Special Topics in Dermatology</th>
<th>USFMS</th>
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<th>Patel, Nishit</th>
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</table>

Click here for additional course information.
This course allows third year students to gain exposure to various topics in Dermatology by special arrangement with the Dermatology department director, Dr. Nishit Patel.

Objectives:

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

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

Rotation Activities:

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

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

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

Patient Encounters:

Evaluation:

10 minute Case Presentation to be made at a morning Resident Conference.

Syllabus:

Visiting Students:

No Limit

Special Instructions:

N/A
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<tr>
<th>Emerg Med</th>
<th>MDR87 10Research in Emergency Medicine</th>
<th>TGH</th>
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<th>40</th>
<th>2, 4</th>
<th>Wilson, Jason</th>
<th>Research</th>
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</table>

**Contact:** Dr. Jason Wilson
tampaerd@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 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 interaction.
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.

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<th>MDT 8710 Intro to Emergency Medicine</th>
<th>TGH 1-9 (Yr 4) 1-12 (Yr 3)</th>
<th>None</th>
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<th>2</th>
<th>Zachariah, Anish</th>
<th>Clinical</th>
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</table>

**Contact:** Zachariah, MD

ZachariahMD@gmail.com

**Department 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.

**Objectives:** This rotation will enrich students’ knowledge, help them develop history-taking ability, physical skill assessment, and evidence-based medicine. It will also help them develop a caring, compassionate, and empathetic attitude in dealing with patients and their families.

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

**Patient Encounters:**

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

**Syllabus:**
**Visiting Students:**

**Yes. Apply via Lehigh Valley Network on VSAS.**

**Special Instructions:**

**N/A**

---

**Emerg Med** | MEL 8347 AI in Emergency Medicine | LVHN 1-8 Yr 4 Status | 2 0 40-44 4 | Worrollow, Charles | Clinical

**Contact:** Dawn Yenser

Dawn.Yenser@lvhn.org

(484) 884-2489

LVH-M 5th Fl South Building

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

**Description:** This acting internship integrates clinical skills and evidence-based medicine through didactic lectures, performance of clinical skills, 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.

**Objectives:** This rotation will enrich students’ knowledge, help them develop history-taking ability, physical skill assessment, diagnostic reasoning, critical thinking, and clinical decision-making. It also aims to reinforce and expand knowledge on the pathophysiology of common conditions, gain familiarity with diagnostic tools and their limitations, and understand the importance of evidence-based practice.

**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:**

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**Emerg Med** | MEL 8347 AI in | TGH 1-11 Intro to EM | 6 0 40-44 4 | Semmons, Rachel | Clinical
Emergency Medicine

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
Time and exact location will be sent via email ~1 week before start of rotation

Description: This acting internship integrates clinical skills and evidence-based medicine through didactic and performance components.

Objectives: This rotation will enrich students' knowledge, help them develop history-taking ability, physical skill assessment, and problem-solving skills. It will also 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. Experience with ED 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 encounter a variety of patients and chief complaints depending on their comfort level. Students should attempt to see a variety of chief complaints.

Evaluation:
Student grades are based on daily attending evaluations, quality case presentations, & attendance.

Syllabus:
TBD

Visiting Students:
Apply via USF Health Morsani College of Medicine on VSAS.
Description:
The Neighborhood Health Centers of the Lehigh Valley (NHCLV) is a Federally Qualified Community Health Center serving the greater Lehigh Valley. Our team provides primary care and medication assisted treatment services to patients with opiate use disorders in the community. The goal of the program is to help patients live a good life in the face of complex issues inherent in opiate use disorders.

Objectives:
1. Develop empathy and deeper understanding by developing relationships with patients and hearing their stories.
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 based organizations and community building programs.
7. Describe the health policy implications of learnings from personal experiences including service delivery redesign, payment reform, and outcomes at local, state and federal levels.
8. Reflect on implications for relationship-centered care in students’ vision of personal practice.

Rotation Activities:
Students will participate in daily team rounds, initial assessments, primary care and medication assisted treatment, case conferences, home visits, and problem-solving. Each student will identify individual learning goals and present either a topic or project to the team.

Patient Encounters:

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.
**Evaluation:**

Students will work in close contact with the interdisciplinary team and participate in daily huddles. They will meet as a group and as part of the family medicine clinic. Students will demonstrate the ability to work as part of an interdisciplinary team and to learn from and engage respectfully with the team and patients will be assessed as satisfactory by the elective director.

**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:**

Linda Giordano  
lgiovan@health.usf.edu  
(813) 974-2445

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

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

**Description:**

This elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved setting. Students will gain experience in a rural or underserved practice setting and better understand the health care needs of medically underserved populations. Students will be introduced to the unique opportunities and challenges of medical practice in rural or underserved communities and to cross-cultural issues in health care.

**Objectives:**

1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.

2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved setting.

3. Introduce/sensitize the student to cross-cultural issues in health care.

4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice settings.

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

<table>
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<th>Family Med</th>
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<th>40-44</th>
<th>2,4</th>
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<th>Clinical</th>
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</table>

Click [here](#) for additional course information.
**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 rotation).

3. At certain locations opportunities are available for additional practice activities within the I.D.

**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 HealthCare Centers (Ruskin, Dover, Plant City), Pinellas Community HealthCare (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto).

**Family Med**

- MEL 7258 Elect in Rural Med or Underserved
- LVHN 1 - 11 Yr 4 Status 1 0 40-44 2,4 Brohm, Veronica

**Description:**

This is a rural/underserved health elective in which a student will be matched with an attending physician in the Department of Family Medicine. The site has a different flavor and feel. Students interested in a remote experience should consider other options.

**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.
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.
2. The student will accompany the clinic physician Monday through Friday at the designated clinic site, will see patients, and will perform procedures assigned by the preceptor under his/her supervision.
3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A

Contact:

Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445
Victor Cruz
Coordinator of Clinical Training & Enrichment

Family Med

MEL 7258 Elect in Rural Med or Underserved

PCHG 1 - 11 Yr 4 Status 1 0 40-44 2,4 Faculty at PCHG Clinical
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 community. This rotation will provide an opportunity to gain insight into the medical needs and challenges faced by the underserved population, and to develop an understanding of the healthcare system in these areas.

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

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

Patient Encounters:

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

Syllabus:

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

Special Instructions:
At certain sites this elective is available to USF students only. The Department of Family Medicine 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), DMH Pinellas (Clearwater, Largo, Pinellas Park, St. Petersburg, Tarpon Springs), or Citrus County Health Department (Lecanto)
Med or Underserved

Contact: Giordano
igiordan@health.usf.edu
(813) 974-2445

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

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

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

Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community
3. Introduce/sensitize the student to cross-cultural issues in health care
4. Understand the mechanisms and indications for consultation and referral in rural or underserved practice 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 or evening on call).
3. At certain locations opportunities are available for additional practice activities within the hospital, emergency department, and in the community.

Patient Encounters:

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

Syllabus:

Visiting Students: Yes. Apply via
Special Instructions:

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

Sites

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

Family Med

MEL 7258 Elect in Rural Med or Underserved

SCHC 1 - 11 Yr 4 Status 1 0 40-44 2.4 Faculty at SCHC

Elective rotation is designed to introduce the senior student to the unique characteristics of medical practice in a rural or underserved practice setting. The student will learn to provide care to a medically underserved population and to gain a better understanding of providing care under these circumstances.

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.

Contact:

Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

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

Report to be provided prior to the start of the rotation.
2. The student will accompany the physician during the course of the preceptor’s schedule, which may involve a Saturday 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 site.

Patient Encounters:

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

Syllabus:

Visiting Students:

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

At certain sites this elective is available to USF students only. The Department of Family Medicine at CHCP, Premier Community HealthCare Group (Dade City), Suncoast Community Health Care Center (Pinellas), or Citrus County Health Department (Lecanto) and Gulfcoast North AHEC will make the final arrangements. Availability at all clinic sites is per the preceptor’s approval.

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<th>2,4</th>
<th>Faculty at CHCP</th>
<th>Clinical</th>
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Contact:

Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

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

Report:

Report 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 underserved area.
Objectives:
1. Compare and contrast the health needs and problems encountered in rural or underserved practice to those encountered in prior urban practice rotations.
2. Identify the unique opportunities and challenges to medical practice and life in a rural or underserved community.
3. Introduce/sensitize the student to cross-cultural issues in health care.
4. Understand the mechanisms and indications for consultation and referral in rural or underserved 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 morning clinic 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 I.

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:

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

Family Med

| MEL 7267 Internat ional Health Elective | EXT 1 - 9 Yr 4 Status | 4 0 45-50 4 | Gonzalez, Eduardo |

Contact:
Eduardo Gonzalez, MD
egonzale@health.usf.edu

Report to:
Any interested student MUST meet with Dr. Gonzalez and/or Dr. Callegari prior to selecting this elective. Ideally, this should be done prior to beginning the clerkship, if possible. It is recommended that a faculty advisor at LVHN is available to help with the advising, planning, and evaluation of this elective.

Check if interested in this course.

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

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

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

**Patient Encounters:**

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

**Syllabus:**

**Visiting Students:**

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

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<th>Clinical</th>
</tr>
</thead>
</table>

**Contact:** Giordano  
igiordan@health.usf.edu  
(813) 974-2445

**Bayfront Medical Center**

**Description:** This elective provides students with a Family Medicine residency experience at the intern level.

**Objectives:**
1. Integrate the student into the hospital teaching service such that the student functions at the level of an intern, managing their own patients under the supervision of a senior resident
2. Strengthen the student’s ability to develop an initial assessment and plan for patients requiring hospitalization, including 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 residents.

Patient Encounters:

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

Syllabus:

Visiting Students:

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

Family Med

MDI 8120
Acting Internship Family Med

LVHN 1 - 11 Yr 4 Status 2 0 40-50 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:
The Acting Internship in Family Medicine rotation provides students the opportunity to work closely with our residents.

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:

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

Contact:

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

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

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

Hospital Based

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

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

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

Office Based

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

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

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

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

Rotation Activities:
The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident and attending physicians. The student will function on the Family Medicine service, attending on rounds, participating in daily team meetings, evaluating patients, being involved in admission and discharge planning, doing consults, and working on a patient’s Lindsay. The skills and values of “Turtle Craft,” our relationship-centered approach to family medicine, will be taught.

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:

- Any interested student must contact Dr. Brohm to plan the elective. This MUST OCCUR AT LEAST 3 MONTHS PRIOR to the elective.

Office-based AI

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

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MDI 8120 Acting Internship Family Med</th>
<th>MPMHC</th>
<th>Yr 4 Status</th>
<th>1</th>
<th>0</th>
<th>40-50</th>
<th>4</th>
<th>González, Eduardo</th>
<th>Clinical</th>
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<td>Click here for</td>
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</table>
Contact: Giordano
lgiordan@health.usf.edu
(813) 974-2445

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, in consultation with and under the direction of a senior resident.
3. Educate the student regarding common medical problems requiring hospital admission, indications for common in-patient procedures, discharge planning, and legal/ethical/cost considerations.

Rotation Activities:
The student is expected to function as a Family Medicine intern under the direct supervision of the senior resident and in consultation with the attending physicians. Activities include patient consultations, teaching conferences, rounds, and didactic presentations. The student will be responsible for overseeing the care of patients assigned to them, including performing physical exams, ordering tests, writing orders, and managing the care of the patients throughout their hospital stay.

Patient Encounters:

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

Syllabus:

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

Special Instructions: Final arrangements concerning the course location/preceptor will be made by the Department of Family Medicine after the student is scheduled for the elective.
Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Report to: provided prior to the start of the rotation

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

Objectives: This elective will provide students an opportunity to learn sports medicine from a primary care/family medicine and orthopaedic standpoint. Students will also gain experience in assessment and management of musculoskeletal injuries in athletes as well as non-orthopedic medical problems of the athlete.

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

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

Syllabus: Visiting Students:

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 (813) 974-2445 or by E-mail at lgiordan@health.usf.edu prior to enrolling.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8255 Family Medicine Residency Elect</th>
<th>BFMC 1, 3 - 7, 9 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
<th>0</th>
<th>40-44</th>
<th>2,4</th>
<th>Faculty at Res Program</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Giordano
lgiordan@health.usf.edu
(813) 974-2445
Description:
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:
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
Effective 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. Additional information on the role of the Family Medicine Resident will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgjordan@health.usf.edu.

<table>
<thead>
<tr>
<th>Family Med</th>
<th>MEL 8255 Family Medicine Residency Elect</th>
<th>FH 1 - 8 Yr 4 Status 2 0 40-44 2,4 Faculty at Res Program</th>
</tr>
</thead>
</table>
Contact: Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Report to: Assigned site

Description: This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical, Tampa; USF Health, Morsani College of Medicine, Tampa; 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

Effective elements of interpersonal relationships, motivation, and ability.

Syllabus:

Visiting Students:

No

Special Instructions: Students must check with the Department of Family Medicine before scheduling this elective through the Registrar’s Office. Further information will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.

| Family Med | MEL 8255 | HH | 3-7 | Yr 4 | Status | 1 | 0 | 40-44 | 2,4 | Faculty at Res Program | Clinical |
Elect

Contact: Giordano

lgiordan@health.usf.edu

(813) 974-2445

Description:

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

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:

Students must check with the Department of Family Medicine before scheduling this elective through the Registrar. Additional information and special instructions will be provided. Contact information can be obtained through the Family Medicine Education Coordinator at (813) 974-2445 or lgiordan@health.usf.edu.
Description:
This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Center, St. Petersburg; Hospital for Special Surgery, Tampa; TMH, Tallahassee; UF-St. Vincent, Gainesville; 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
Positive elements of interpersonal relationships, motivation, and ability

Syllabus:

Visiting Students:
No

Contact:
Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

Assigned site:

Faculty at Res Program:
Clinical
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 974-2445 or lgiordan@health.usf.edu.

<table>
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<td>5. Demonstrate the various responsibilities and activities of the Family Medicine Resident</td>
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<td>Quality of assessment and presentation</td>
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<td>Attitude and rapport with patients and families</td>
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<td>Active elements of interpersonal relationships, motivation, and ability</td>
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Syllabus:

Visiting Students:
No

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 974-2445 or lgiordan@health.usf.edu.

Family Med Elect

<table>
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<tr>
<th>MEL 8255 Family Medicine Residency Elect</th>
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<tbody>
<tr>
<td>MPMHC 1 - 11 Yr 4 Status 2 0 40-44 2,4 Faculty at Res Program</td>
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</table>

Contact: Giordano
lgiordan@health.usf.edu
(813) 974-2445

Report to: Assigned site

Description:
This elective for senior students may be served at any of the affiliated Family Medicine Residencies (Bayfront Medical Resort, 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. Contact information can be obtained through the Family Medicine Education Coordinator at 974-2445 or lgiordan@health.usf.edu.

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<th>0</th>
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<th>2,4</th>
<th>Brohm, Veronica</th>
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</table>

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

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

Description:
During this elective, students will spend each day seeing patients and working closely with the LVHN Family Medicine Residency. The focus will be on understanding the principles and practice of our relationship-centered approach to family medicine, with an emphasis on patient care and education. Come and see innovative education in action.

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

5. Demonstrate the various responsibilities and activities of the Family Medicine Resident.

Rotation Activities:
The student will have primary responsibility for care of assigned patients while in the clinic and in the hospital. The rotation is structured to provide experience in the various activities of a primary care residency, including patient care, teaching, and medical education. There is no call or nightfloat for this rotation unless requested by the student.

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

Special Instructions:

Family Med
MEL 8263 Public Sector Medicine
Click here for additional course information

USFMS 1 - 11 None 2 0 44 2,4 Woodward, Laurie

Clinical

Contact:
Linda Giordano
lgiordan@health.usf.edu
(813) 974-2445

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

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

Objectives:
- Provide a learning experience for students who have a demonstrated interest in the health care of the underserved 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 ... medicine. Students will be encouraged to develop projects worthy of publication or presentation at a scholarly meeting.

### Patient Encounters

**Evaluation:** Students will be evaluated based on clinical skills, self-education/independent learning, und...

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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**Family Med**

<table>
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<tr>
<th>MEL 8264 Fam Med Elect-USF Med Clinics</th>
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</table>

**MCAH** 1 - 11 **Yr 4 Status** 2 0 44 2.4 **Gonzalez, Eduardo** **Clinical**

---

**Contact:** Giordano

*igiordan@health.usf.edu*

*(813) 974-2445*

**Report to:** 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...

3. Improve problem solving skills

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

5. Improve skills in patient education and communication

---

**Rotation Objectives**
Patient Encounters:

Evaluation: 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

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<tr>
<th>Family Med</th>
<th>MEL 8265</th>
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Contact: Giordano

lgiordan@health.usf.edu

(813) 974-2445

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

Description:

This elective students will accompany faculty members who are in private clinical 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 to the etiology of problems.
3. Improve problem-solving skills.
4. Study the role of other health professionals in the patient’s health care (consultants, social workers, nurse practitioners, etc.) and the relationship between them and the family physician.

Rotation Activities:

Patient Encounters:

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

Syllabus:
**Visiting Students:**

**Special Instructions:**

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

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

**Contact:**

Giordano

igio@health.usf.edu

(813) 974-2445

**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 in a Women's Center of Excellence.

**Objectives:**

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

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

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

**Rotation Activities:**

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

**Patient Encounters:**

**Evaluation:**

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
**Family Med**

<table>
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<th>MEL 8273</th>
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**Special Instructions:**

- Click here for additional course information.

**Contact:**

Linda Giordano  
lgioordan@health.usf.edu  
(813) 974-2445

**Report to:**

Will be provided prior to the start of the elective.

**Description:**

This elective provides students an opportunity to create an elective that will provide an experience into the broad clinical opportunities in Family Medicine.

**Objectives:**

1. Encourage the student to design and complete his or her own ideal elective within the realm of Family Medicine.
2. Provide the student with housing when available.
3. Introduce the student to the breadth of Family Medicine.
4. Specific objectives to be determined based on elective scheduled.

**Rotation Activities:**

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

**Patient Encounters:**

Evaluation:

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

**Syllabus:**

**Visiting Students:**

Apply via USF Health Morsani College of Medicine on VSAS.
### Description:
Allergic and immunologic problems affect up to 20% of adults and children in the United States, therefore, students need to be familiar with these problems. This experience is important to physicians regardless of their specialty interests. Both children and adults are seen in the clinics.

### 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:
The student will primarily be involved in out-patient care at the VA Hospital, Tampa General Hospital, H. Lee Moffitt Cancer Center, and the Allergy and Immunology outpatient clinic. The student will spend time in the clinical Allergy and Immunology outpatient clinic and participate in conferences on clinical allergy and immunology given by residents, fellows and faculty from USF College of Medicine.

### Patient Encounters:
The student will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, asthma, atopic dermatitis, chronic urticaria, urticarial vasculitis, angioedema, anaphylaxis, food allergies, drug allergies, autoimmune hemolytic anemia, pruritus, and various other immunologic diseases (including HIV infection), eosinophilia, eosinophilic syndromes, and various other immunologic diseases.

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

### Table:

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<td>MEL 8315 Clinical Allergy/Immunology</td>
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<td>Clinical</td>
</tr>
</tbody>
</table>

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**Contact:**
- Geeta Gehi, Administrator
  ggehi@health.usf.edu
- Peggy Hales, Administrator
  phales@health.usf.edu
- 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 should be familiar with the pathogenesis, diagnosis, and treatment of various allergic and immunologic diseases. Both children and adults are seen in the clinics.

### 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.

### Patient Encounters:
Students will examine patients with common medical diseases such as allergic rhinoconjunctivitis, chronic rhinitis, acute and chronic asthma, urticaria and/or angioedema, drug allergy, insect hypersensitivity, and food allergy, and also assess patients with immunodeficiency diseases.

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

### Syllabus:

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<th>Int Med</th>
<th>Allergy / Immunology</th>
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<th>Clinical</th>
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</thead>
</table>

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

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

**Visiting Students:**
Applicants should apply via Lehigh Valley Network on VSAS.
Allergic and immunologic problems affect up to 20% of adults and children in the United States. Therefore, students will be exposed to a broad and comprehensive overview of the field... of their specialty interests. Both children and adults are cared for in the Division of Allergy and Immunology.

Objectives:
The objectives of the respiratory disease research experience at the Joy McCann Culverhouse Airway Disease Center are to... and others. The student will learn the accepted methods used in clinical research in this state-of-the-art program.

Rotation Activities:
The student will attend four weekly conferences on basic immunology and clinical allergy and immunology given by faculty 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:
The faculty members and staff associated with the training program will assess the level of competence and will complete evaluations.

Syllabus:

Visiting Students:

Special Instructions:

Contact:

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

Report to Dr. Narasaiah Kolliputi at nkollipu@health.usf.edu for information on where to report.
**Contact:**
Dr. Sanders Chae  
schae@health.usf.edu  
Bonna Nichol  
bonna@health.usf.edu

**Description:**
Objectives: This course is to introduce and review clinical cardiac disorders that have a predominantly genetic component. The course will include basic science and clinical lectures, didactic teaching conferences, and a simulated genetic counseling session. Genes have been identified for some causes of death. 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:**
N/A

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

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

<table>
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<th>Int Med</th>
<th>Cardiovascular</th>
<th>MEL 8351 Harvey Elective in Cardiology</th>
<th>USFMS</th>
<th>Yr 4 Status</th>
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<th>Schocken, Dawn</th>
<th>Basic Science</th>
</tr>
</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...

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

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

Patient Encounters:
N/A

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

Syllabus:
Posted to Canvas

Visiting Students:
With permission from Course Director

Special Instructions:
N/A
Report to: Dr. Brady at the Morsani Center at 8 AM on the first day of the rotation.

Description: This course is designed to give students an appreciation for the relationship between basic science and clinical medicine. The course will address the relationship of innate and acquired immunity to the disordered immune response in inflammatory bowel disease and the immune system in viral hepatitis, and the pathophysiology of gastroesophageal reflux and Barrett’s esophagus.

Objectives: This course will address the relationship of innate and acquired immunity to the disordered immune response in inflammatory bowel disease 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 to clinical practice, and patient encounters.

Patient Encounters: Students will be given the option of participation in a research project if they desire to do so.

Evaluation: Students will be evaluated based on direct faculty observation and feedback from patients and families. Evaluation will also include a written examination to determine base knowledge, and the ability to formulate differential diagnoses and propose solutions.

Syllabus: Visiting Students:

Special Instructions:

Int Med Digest/Nutrition
MEL 8306 Gastroenterology Elective
LVH 1-11 Yr 4 Status 1 0 44 2,4 Blanco, Paola Clinical

Contact: 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 expose students to both common and uncommon GI problems with emphasis on recognition, treatment and natural history of these disorders.

Objectives: Upon successful completion of this elective, the student may expect to achieve an acceptable level of competence in the diagnosis and management of gastroenterology disease processes. The student will be expected to demonstrate knowledge of the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

Rotation Activities: There will be a combination of direct patient contact and personal instruction. Observation of a variety of procedures including diagnostic and therapeutic upper GI panendoscopy, capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry. Hands-on experience in capsule endoscopy is available. Attendance at ward and teaching rounds, outpatient clinics and teaching conferences will provide a further source of learning.
Emphasis will be placed on pathophysiology, clinical manifestations, diagnosis and therapy.

Emphasis will also be placed on the techniques of clinical nutrition.

Students can participate in a short research project during the rotation or may elect to begin.

Students will participate in a regularly scheduled conferences and clinics.

Patient Encounters:

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

Syllabus:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions: N/A

<table>
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<tr>
<th>Int Med Digest/Nutrition</th>
<th>MEL 8306 Gastroenterology Elective</th>
<th>MCAH 1 - 11</th>
<th>Adult Med, Pri Care</th>
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<th>Clinical</th>
</tr>
</thead>
</table>

Contact:

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 recognition, interpretation, and application of clinical data; understanding of the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

Rotation Activities: Daily work and teaching rounds, participation in gastroenterology consultations, two hours of conferences weekly, precepted patients to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.
**Patient Encounters:**

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

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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<table>
<thead>
<tr>
<th>Int Med Digest Nutrition</th>
<th>MEL 8306 Gastroenterology Elective</th>
<th>TGH 1-11</th>
<th>Adult Med, Pri Care</th>
<th>2</th>
<th>0</th>
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<th>Brady, Patrick</th>
<th>Clinical</th>
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</thead>
</table>

**Contact:**

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:**

The course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in consultation and conferences 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 diagnosis and management of gastrointestinal and liver disease. The student should be able to apply knowledge of the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

**Rotation Activities:**

Daily work and teaching rounds, participation in gastroenterology consultations, two hours of conferences weekly, learning to learn interpretation of capsule endoscopy, 48 hour pH recordings, and high resolution esophageal manometry.

**Patient Encounters:**

*Evaluation:* The faculty will base their performance evaluations upon clinical discussions and didactic presentations by the student.
### Int Med Digest/Nutrition

**MEL 8306 Gastroenterology Elective**

Click here for additional course information

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

**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.

**Description:**

This course is designed to give students a broad exposure to gastrointestinal and liver disease through participation in gastroenterology consultations, participation in gastroenterology consultations, two hours of conferences weekly, and daily work and teaching rounds.

**Objectives:**

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

- Understanding the basic pathologic processes of gastrointestinal and liver disease
- Knowledge of the basic therapeutic approaches, and interpretation of the gastrointestinal radiographs and other imaging techniques.

**Rotation Activities:**

- Patient Encounters:

**Evaluation:**

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

**Syllabus:**

Visiting Students:

No

Special Instructions:

N/A
Click here for additional course information

Contact:
Barbara Pearce
Academic Services Administrator
Internal Medicine 4th Year Electives Program
bpearce@health.usf.edu
Dr. Rachel Semmons
Rachel.semmons@gmail.com

Report to:
The student must contact the following personnel:

1. Kathleen Koch in order to schedule the ride along time with Aeromed (this is optional; you kkoch@tgh.org

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

3. Dr. Angus Jameson (ajamesonmd@gmail.com, medical director Pinellas County) and Dr. Beth Mannion (elizabethmmannion@gmail.com, our EMS fellow) to see whether there are additional EMS activities that would be useful for you

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

2. Learn to manage common toxicological problems by rotation in the Florida Poison Control

3. Be exposed to EMS Administration by accompanying the medical director of Tampa Fire at

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

Clinical
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
8. Monthly Journal Club for the EMS fellowship - articles will be made available one week bef.

Patient Encounters:

Evaluation:
The student’s final grade is determined by his/her clinical faculty evaluation which is comple

Syllabus:

Visiting Students:

Special Instructions:

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<tr>
<th>Int Med</th>
<th>Emerg Med</th>
<th>MEL 7320Q</th>
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<td>Gomez-Daspet, Joaquin Clinical</td>
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</table>
Description:

Objectives: Upon the completion of this elective, the student should understand how to manage patients with endocrine/metabolic diseases.

Rotation Activities: Students will see in-house consultations at the VA, Tampa General, and H. Lee Moffitt hospitals.

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students: No

Special Instructions: N/A

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

Report to: Joaquin Gomez-Daspet
Joaquin.Gomez-daspet@va.gov

Visiting Students:

Int Med Endocrin
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: provided one week prior to the start of the rotation
Description:
The rotation on the Endocrinology services involves exposure to inpatient consultations and outpatient clinic. Students will learn how to interact with patients & their families, colleagues, and staff regarding patient care and treatment.

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

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<th>LVH-CC</th>
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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 patient care. Students will learn about the symptom management, the role of opioids and other medications commonly used to treat symptoms in dying patients, and an introduction to the regulatory requirements for hospice.

LVH-CC 1,4,5,6,9,10

None

Chyu, Michael

Clinical
Objectives:
1. Initiate palliative care consults on patients in the hospital to include a comprehensive medical history, physical, and social history.
2. Provide a comprehensive assessment of patients with pain identifying physical, psychosocial, and spiritual components.
3. Explain the relevant basic science, pathophysiology, associated symptoms and signs, and treatment options.
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, approach, 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 to apply.

Rotation Activities:
During the entire month, students will attend palliative care journal club, and weekly hospice conferences. Students will also participate in the hospice and palliative medicine core clerkship series, landmark journal articles regarding key palliative care topics, and also to complete relevant CAPC modules.

Patient Encounters:
For the inpatient educational experience, the trainee will see patients at Lehigh Valley Hospital. They will participate in interdisciplinary team (IDT) meetings, including patient care conferences and rounds.

Evaluation:
Knowledge will be assessed through a pre-post knowledge survey and exam, in addition to a comprehensive clinical examination.

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

Special Instructions:
N/A
Description:
The elective is designed to introduce the basic principles and practice of palliative care. A 2-4 week inpatient rotation is utilized to provide hands-on experience in the practice of palliative care.

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

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

Student will see patients at Tampa General Hospital on the Palliative Care Consult Service. Students will be assigned patients by the supervising faculty and will be integrally involved in the assessment of the patient and family, including a comprehensive medical history, physical examination, psychosocial and spiritual assessment.

Patient Encounters:

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

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
Contact: Dr. Rachel Williams
rachel.williams5@va.gov

Students should report to the James A. Haley Occupational Health Clinic at 8:00 am on the first day of the elective. Walk over the crosswalk from USF. The clinic is located in T-72 which is on the right across the parking area before you get to the main entrance. The phone number to the clinic and Dr. Rachel Williams is (813) 972-2000 ext. 7628.

Description: The goals of this rotation are for the student to be exposed to the workplace, work exposures, and relevant statutes, so as to learn to identify workplace and environmental hazards to reduce the risk of future injury or illness to the patient.

Objectives:
1. Gain exposure to complete patient histories, with an emphasis on occupation and exposure
2. Gain exposure to the selection of appropriate diagnostic studies in relation to the occupational injury or exposure
3. Review relevant occupational IT, databases, guidelines or other resources when providing
4. Gain exposure to legal and regulatory authority relating to protection and promotion of the 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), preceptor evaluations, student self-assessment of knowledge, skills, and abilities, faculty self-assessment of knowledge, skills, and abilities, and a student exhibition specific to the elective.

Syllabus:

Visiting Students: No

Special Instructions: N/A
Contact:
Alfredo.Peguero-Rivera@va.gov
Dr. Jamie Morano
Jamie.Morano@va.gov

Report to:

TeleID Sessions: Monday 1230-1630; Tuesday 1230-1630
Telenephrology Sessions: Monday 0800-1200; Tuesday 1300-1630; Weds 0830-1100; Thursds 1000-1200 (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 through all sessions... within Teledermatology or Telewound care may also exist for very motivated participants with advanced notice.

Description:
This elective will introduce medical students to the practice and theory of the brave new world of Clinical Video Telehealth (CVT). Students will learn about CVT in both Nephrology and Anemia settings. The focus of this CVT elective will be to enable students to understand key elements of the CVT workflow, to actively demonstrate the importance of integrating healthcare delivery and CVT innovation.

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

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

1) Required Reading:
Goldman’s Cecil Textbook of Medicine (24th ed):
   i. Vol 1 (XI: Renal and Genitourinary Diseases), Chapters 116-133
   ii. Vol 2 (XXIV: HIV and the Acquired Immunity Syndrome), Chapters 392-402
IDSA/AASLD Hepatitis C Treatment Guidelines (http://www.aasld.org/publications/practice-guidelines-0)
HIV Primary Care Primer (to be provided)

2) Required Online VA TMS Courses:
Clinical Video Telehealth (CVT) Foundations for Teleproviders (#14170)
CVT: Core Competencies (#23393)
3) Suggested Journals: Health Affairs, Journal of Telemedicine and Telecare; Sign up for Athens access at VA Medical Library (2nd floor) for full access

Patient Encounters:

Evaluation:

Oral feedback will be provided at the mid-point, and both oral and written evaluation will be reviewed with the participant. (For example, 2-week participants will be evaluated at week 1 and 2; 4-week participants will be evaluated at week 2 and 4.)

Evaluation components will consist of dual evaluation by nephrology and ID faculty as applicable. The post-test will consist of a computerized exam and evaluation covering straightforward concepts on the very basics of Nephrology/Hepatitis C as well as the basics of quality improvement concepts.

Syllabus:

Visiting Students:

Special Instructions:

Int Med  General  MDE 8140  Geriatric Medicine
LVHN  1-11  Yr 4  Status  1  0  40  2,4  Clinical

Contact:

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

Description: The geriatric rotation will offer experience to observe and manage elderly patients with a wide variety of medical conditions. Participants will learn about the normal anatomical and physiologic changes associated with aging and 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, depri
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 qu
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 cog
8. Understand the various post-acute rehabilitation and long-term care settings, including the duties of the interdisciplinary team members and Medicare/Medicaid and other insurance payment options.

**Rotation Activities:**

Students will see patients on the hospital geriatric consultation service, the ambulatory primary care and outpatient settings, and be exposed to the various settings of care concerns, care plan formulations for post-rehab and their own recommendations for improvement of the system.

**Patient Encounters:**

Evaluation:

Students will be evaluated based on the ACGME competencies. Students will receive a short pre-test and post-test of knowledge; 50% clinical evaluation, 25% continuity patient summary writeup, 15% post-test score, 10% journal article presentation.

**Syllabus:**

Visiting Students:

Lehigh Valley Network on VSAS.

Special Instructions:

None

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<th>Int Med</th>
<th>General</th>
<th>MDE 8148 Geriatrics and Health Disparities</th>
<th>SCHC</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>2</th>
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<th>Guerra, Lucy</th>
<th>Clinical</th>
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**Contact:**

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

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

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

**Report to:**

SCHC 1 - 11 Yr 4 Status 2 0 40 2,4 Guerra, Lucy Clinical
Asa Oxner, MD
Internal Medicine
aoxner@health.usf.edu

Description:
This elective integrates students into the care of elderly and those who are victims of health disparity in our community, to improve outcomes, reduce costs and result in fewer hospital admissions.

Objectives:
By the end of the elective students will be able to:
1. Compare and contrast the health needs and problems encountered in indigent care in the elderly
2. Compare and contrast the health needs and problems in an urban setting
3. Introduce and sensitize the students to cross cultural issues in healthcare
4. Understand the business application of Obamacare and intersection of poverty at the expense of health care
5. Understand reasons for involvement in 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 Suncoast Community Health Center in Palm River, Byrd Alzheimer’s Center, and housecall visits.
2. Mandatory attendance at weekly geriatric didactic sessions in order to learn about geriatric and health disparities topics.

Patient Encounters:

Evaluation:
Students will be evaluated by the course director at the end of the course based on clinical evaluations completed by their designee and at the end of the course based on medical knowledge, medical skills, and demonstrated professionalism.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
Contact:

Elizabeth Bugarin
epbugarin@health.usf.edu

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

Report:

Elizabeth Bugarin
epbugarin@health.usf.edu

Description:
The elective integrates students into the nocturnal critical care team and provides students with bedside training and hands-on experience. This training includes bedside management of critically ill patients, performing procedural skills under the supervision of a nocturnal intensivist. These activities include chest tube insertion, dialysis catheter placement, Swan Ganz catheterization, thoracentesis, paracentesis, and lumbar puncture.

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

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

Rotation Activities:

Patient Encounters:

Evaluations:
Students will be evaluated by the main intensivist at the end of the course based on direct observation and participation in patient encounters.

Syllabus:

Visiting Students:

Special Instructions:

Int Med   General   T-VAH   1 - 11   2   0   40   2   Clinical
MDE 8774 Bedside Ultrasoundography

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

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

Description:
This elective will introduce medical students to the practice and theory of bedside ultrasonography. Bedside ultrasound is an essential skill for the diagnosis of lung diseases. The student will round with the preceptors daily and will interact with patients actively.

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

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

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

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

**Suggested additional ultrasound literature journals and books:**

Sign up for Athens access at VA Medical Library (2nd floor) for full access.

**Patient & feedback:**

2. Evaluation will consist of clinical performance (timeliness, interest, punctuality, % of sessions attended).


**Evaluation:**

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

**Objectives:**

1. Further the student’s education of internal medicine.

2. Expose the student to the concepts of patient safety and preventable medical errors.

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

**Contact:**

Alexander Reiss, MD

Alexander.Reiss@va.gov

Report to: T-VAH

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

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

**Objectives:**

1. Further the student’s education of internal medicine.

2. Expose the student to the concepts of patient safety and preventable medical errors.

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

**Objectives:**

1. Further the student’s education of internal medicine.

2. Expose the student to the concepts of patient safety and preventable medical errors.

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

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1. Further the student’s education of internal medicine.

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**Objectives:**

1. Further the student’s education of internal medicine.

2. Expose the student to the concepts of patient safety and preventable medical errors.

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

**Objectives:**

1. Further the student’s education of internal medicine.

2. Expose the student to the concepts of patient safety and preventable medical errors.

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

**Objectives:**

1. Further the student’s education of internal medicine.

2. Expose the student to the concepts of patient safety and preventable medical errors.

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

**Objectives:**

1. Further the student’s education of internal medicine.

2. Expose the student to the concepts of patient safety and preventable medical errors.

**Description:**

This rotation is designed to further the fourth year medical student’s education in internal medicine and examine the student’s knowledge and competency pattern ultrasonographic recognition post-test scoring.

**Objectives:**

1. Further the student’s education of internal medicine.

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

**Rotation Activities:**

1. Gain understanding of Hospitalist medicine concepts
2. Understand human factor engineering and cite specific patient care examples
3. Manage patients in the capacity of an acting intern during business hours, answering page
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" sy

**Patient Encounters:**

**Evaluation:**

Supervising attending evaluations, completion of skills modules, quiz scores, presentation ev

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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**Int Med** | **General** | **MEL 8332 Elective in Rural Medicine** | **AHEC 1 - 11** | **Adult Med, Pri Care** | **1 0 44 2.4** | **Oxner, Asa** | Clinical

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Contact:

Asa Oxner, MD

Internal Medicine

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

Description:
The elective is designed to introduce students to the practice of medicine in a rural community. Under the supervision of Dr. Gaines, students will have the opportunity to compare and contrast the health needs and problems encountered in rural practice to those encountered in prior urban rotations. Students will identify the unique opportunities and challenges to medical practice and life in a rural area. They will also be introduced to the health care system in rural areas and learn about cross-cultural issues in health care. The elective will help students understand the mechanisms and indications for consultation and referral in rural practice. Finally, students will evaluate the business management of rural practice, including availability of organized funding for patient care.

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 for patient care.

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 the 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.
Acting Medicine Internship

Contact: Darryl Gaines
Darryl.D.Gaines@lvhn.org
(484) 661-4650

Report to: 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 involved in patient care, including inpatient and outpatient evaluation and management, consultation, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

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

Special Instructions: N/A
| Int Med | General | MEL 8334 Acting Medicine Internship | MCC | 1-2, 4-11 | Yr 4 Status | 1 | 0 | 40-64 | 4 | Holmstrom, Bjorn | Clinical |

Contact:

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

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

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

Description:
This rotation allows the medical student to learn how to diagnose and treat common medical conditions and exposes the students to a variety of challenging scenarios. Students will have the opportunity to stay late during certain days of the week to assist with admissions. Students will round with IHM A inpatient service.

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 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 at Moffitt Cancer Center. They will be given direct responsibility for patients and have autonomy in managing these patients as if they were true interns. 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.

### Patient Encounters:

Evaluation:

The student’s final grade is determined solely by his/her clinical faculty evaluation which is conducted at the end of the rotation. The student will function as acting or "early" intern on a general ward team. He/She will be given the full range of responsibilities expected of a medical student. 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.

### Syllabus:

Visiting Students:

No

Special Instructions:

N/A

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</table>

### Contact:

Barbara Pearce
Academic Services Administrator

Internal Medicine 4th Year Electives Program

bpearce@health.usf.edu

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

### Description:

The student will function as acting interns on the general ward teams at Moffitt Cancer Center. They will be given direct responsibility for patients and have autonomy in managing these patients as if they were true interns. The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

### Objectives:

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

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities as early as possible. Students will participate in rounds, attend daily case conferences, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

Patient Encounters:

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

Syllabus:

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

Special Instructions:
N/A

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

Report to:
The VAH Attendings/Residents schedule change every month. The students receive their schedules a week before the start of each month 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 direct patient care clinical responsibilities as early as possible. Students will participate in rounds, attend daily case conferences, and grand rounds. Students are also encouraged to participate in the monthly journal club and the M&M conferences.

The only mandatory conferences that students are required to attend are AM report, noon conference, and Grand Rounds. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.
Objectives:
1. Introduce the student to hospital based care and management
2. Student will learn how to perform adequate and thorough history and physical examination.
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention.
4. Participate on night call every fifth night as scheduled with the assigned team.
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis.
6. Transition of patients from the Medical Intensive Care Unit.
7. Communicate inpatient management and outcomes with patient’s primary care physician.
8. Participate and learn appropriate discharge planning, utilization of system based care in the patient’s care.
9. Learn to interpret EKG’s, radiographic studies, PFT’s and appropriate lab diagnostic studies.

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care responsibilities.

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

Special Instructions:
N/A

Contact:
Holmstrom, Bjorn
Clinical
Dr. Bjorn Holmstrom
Bjorn.Holmstrom@moffitt.org
(813) 745-2582

Report to Dr. Holmstrom 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 inpatient teaching hospital sites, Moffitt Cancer Center.

The student will function as acting or "early" intern on an internal medicine consult service.

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

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

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

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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<thead>
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<th>Int Med</th>
<th>General</th>
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<tbody>
<tr>
<td>MEL 8335 General Int Med Consult Srv</td>
<td>TGH 1 - 11 Adult Med, Pri Care</td>
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</table>
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, Tampa General Hospital. The student will function as acting or "early" intern on an internal medicine consult service. The student will be given the opportunity to view preoperative and postoperative charts, to conduct a preoperative evaluation, and to assist the attending in the care of surgical patients. At the end of the rotation, the student will be able to perform a comprehensive preoperative evaluation, evaluate and treat postoperative complications such as Atrial Fibrillation, Diabetes, Hypertension, and the management of Urgencies and Emergencies. Students will also learn to approach the diagnosis and treatment of VTE in surgical patients, and to evaluate and treat common medical problems in both the pre- and post-operative patient.

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

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

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. 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: N/A

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<th>Mai, Cuc</th>
<th>Clinical</th>
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</thead>
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Contact: Dr. Cuc Mai

cmai@health.usf.edu
Description:
This elective offers the fourth year medical student a review of pertinent skills for a smoother transition to internship.

Objectives:
1. Diagnose and treat common overnight call issues
2. Practice and learn common bedside medical procedures
3. Improve teaching skills to be a better educator
4. Improve communication skills specifically delivering bad news
5. Familiarize yourself with ancillary medical services in the hospital/community and how the
6. Learn skills to improve balancing the rigors of residency with personal/social endeavors

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

Rotation Activities:
The course will predominantly consist of case based conferences which will be a review such topics as writing orders, ...

Patient Encounters:

Evaluation:
Students will be evaluated on attendance, participation in case based conferences, involvement

Syllabus:

Visiting Students:

Special Instructions:

Contact:
Lorie Jennings
Education Coordinator
Moffitt Cancer Center
Report to: Round with IHM A inpatient service

Description:
This rotation allows the medical student to learn how to diagnose and treat common medical conditions, perform adequate and thorough history and physical examinations, write appropriate progress notes and orders for therapeutic and diagnostic intervention, participate on night call, and learn and participate in internal medicine procedures. Students will also have the opportunity to transition patients from the Medical Intensive Care Unit and communicate inpatient management and outcomes with the patient's primary care physician.

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

Rotation Activities:
Students will function as acting interns on the general ward teams. They will be given direct patient care responsibilities on the ward and participate in case conferences, teaching rounds, 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 completed at the end of the rotation. This evaluation will facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:

Special Instructions:
Report to: The TGH Attendings/Residents schedule changes every month. The students receive their schedules a week before the start of their rotation. Attendings/Residents will inform the students of any changes to the schedule. The students are responsible for obtaining and maintaining their Attendings/Residents contact information, so that they may set up a time and place for their initial meeting.

Description: The student will function as acting or "early" intern on a general ward team. He/She will be given the full range of responsibilities and will be involved in the care of patients. The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the M&M conference. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:
1. Introduce the student to hospital based care and management
2. Students will learn how to perform adequate and thorough history and physical examination
3. Write appropriate progress notes and all orders for therapeutic and diagnostic intervention
4. Participate on night call every fifth night as scheduled with the assigned team
5. Learn and participate in internal medicine procedures including: paracentesis, thoracentesis, 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
10. Participate and learn appropriate discharge planning, utilization of system based care in the management of their patients and how to do discharge summaries

Rotation Activities: Students will function as acting interns on the general ward teams. They will be given direct patient care clinical responsibilities, which include managing patients in AM, Noon, 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:
Evaluation:
The student’s final grade is determined solely by his/her clinical faculty evaluation which is completed at the end of the rotation. The evaluation is intended to facilitate discussion of competencies met or issues that need to be addressed prior to the completion of the rotation.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

Int Med  General MEL 9940 Honors AI in Internal Medicine
Click here for additional course information

Int Med  General T-VAH 3 Yr 4 Status 5 0 64 4 O’Brien, Kevin Clinical

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

Report to: The VAH Attendings/Residents schedule changes every month. The students receive their schedules a week before the start of the rotation. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Description: The student will function as acting or “early” intern on a general ward team. He/She will be given the full range of responsibilities and privileges appropriate to the role of a first-year intern. The mandatory conferences that students are required to attend are AM report, noon conference, Grand Rounds and the clinical conferences. There are no other weekly didactic sessions to attend. There are no weekly quizzes. There are no end of course examinations.

Objectives:

1. Introduce the student to hospital based care and management
2. Students will learn how to perform adequate and thorough history and physical 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 studies.

Rotation Activities:

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

As part of the Honors Medicine Acting Internship, students must either complete a research 

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:

Special Instructions:

Contact:

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

Rose Laudenslager
Description: This course will expose the medical student to a wide range of hematologic and oncologic disease processes. In the course, students will be provided the schedule with planned elective rotations.

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 patients
5. Strengthen skills to develop a differential diagnosis and be able to justify studies ordered and the rationale behind treatment recommendations
6. Be able to compare and contrast mechanism of action and side effects of traditional chemotherapy and new targeted therapy
7. Differentiate between palliative care and hospice care and decide when to transition patients
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 students will be exposed to a broad variety of Hematologic and Oncologic cases. They will spend time in multidisciplinary clinics.

The students also spend time in the office setting with an attending. They accompany the attending during office visits and spend time discussing cases.

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 end.
3. Students will be given assignments. For example: Students will be given a case to review.
Visiting Students: 
Lehigh Valley Network on VSAS.

Contact: Jamie Morano, MD, MPH
jmorano@health.usf.edu
(813) 844-4187
(813) 802-9743 (Pager)

Report to:
Monday (8 am to 4 pm): Disease Interventional Specialists, HIV Epidemiology, Clinical Research Trial Unit
Location: FL-DOH Hillsborough, 1105 E Kennedy Blvd, Tampa, FL 3360

Tuesday (8am to 4pm): Disease Interventional Specialists, HIV Epidemiology, Clinical Research Trial Unit
Location: FL-DOH Hillsborough, 1105 E Kennedy Blvd, Tampa, FL 3360

Wednesday (8am to 4pm): Tuberculosis Clinic and Case Management
Location: (8515 N Mitchell Ave, 1st Floor, Tampa FL 33604)

Thursday (8am to 4pm): HIV/HCV Clinic
Location: 1st Floor

Syllabus:

Int Med ID, International MDE 8325 Infectious Disease and Public Health
Click here for additional course information

USFMS 1 - 11 None 1 0 40 2.4 Moran o, Jamie Clinical
Friday (8am-10am): Infectious Disease Teaching Rounds and Case Presentation

Location: 17 Davis Blvd, 4th floor, Tampa, FL 33606 near TGH

Infectious Disease Observation rounds on Immunocompromised Service (11am to 4pm)
Location: Tampa General Hospital

Description:
This elective is designed to introduce students of medicine at any level to the practice of infectious diseases. It aims to provide students with the opportunity to observe and participate in the management of patients with a variety of infectious diseases, including HIV, Hepatitis, TB, and various STI's. Participants will be given opportunities to meet and potentially have a short internship in these areas depending on availability.

Objectives:
1. Understand how Clinical Trials are practically organized, reported, and run at a local level
2. Participate in direct clinical care of patients with HIV, Hepatitis, TB, or various STI's.
3. Understand the needs of refugee populations and the challenges of receiving and maintaining immunizations.
4. Appreciate the complexity of state-wide medical record infrastructure and be a part of formulating solutions.
5. Participate in Disease Inteventional Services outreach projects and contact tracing if interested.
6. As appropriate, work with a mentor on a specific project or research endeavor complimentary.

Rotation Activities:
- Patient Care Observation
- Clinical Research Observation
- Real World Public Health Epidemiology and Contact Tracing

Patient Encounters:
A typical student will first outline goals of the rotation and be given an opportunity to tailor the experience.

Evaluation:
The medical student will first outline goals of the rotation and be given an opportunity to tailor the experience. Any written evaluation will be a part of the final assessment as part of the College of Medicine requirements.

Syllabus:

Visiting Students:
No

Special Instructions:
Any interested student MUST meet either with Dr. Morano, Dr. Somboonwit, or Dr. Casanas prior to the start of the elective to review research or clinical goal as well as to confirm the availability of divisions of interest.
**Elective**

Click here for additional course information

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**Contact:** Melissa Keyser  
Melissa.Keyser@lvhn.org

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

**Description:** The primary focus of this rotation is the inpatient consultative service. Students will be expected to round... and laboratory medicine, infection control, travel medicine, HIV, wound management, and antibiotic stewardship.

**Objectives:**

1. Apply the principles of comprehensive history taking and physical examination to generate a differential diagnosis and to select advanced testing modalities
2. Improve their assessment and management of disease processes using evidence-based literature and interdisciplinary communication
3. Apply principles of empiricism and stewardship to antibiotic selection and management
4. Improve familiarity with antimicrobial therapies, including antibiotic classes, adverse drug reactions, and proper dosing
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... and activities in care of patients.

**Patient Encounters:**

**Evaluation:** Students will be evaluated by the faculty attending.

Students will be given assignments. For example: Students will be given an interesting case by the attending to review. They will answer the question based on a case they were involved in. They will answer the question with support from the medical literature.

**Syllabus:**

Visiting Students:  
Lehigh Valley Network  
on VSAS.

**Special Instructions:**

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<p>| Int Med | TGH | 10 | 10 | 0 | 40 | 2 |</p>
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<th>ID, International</th>
<th>MDT 8200A Integrated Sciences in Inf Dis</th>
<th>Yr 4 Status</th>
<th>Anderson, Burt</th>
<th>Basic Science</th>
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</thead>
</table>

Contact: Tammy Grice  
tsgrice@gmail.com  
(813) 844-4187  
Dr. Burt Anderson  
banderso@health.usf.edu  
Report to: Tammy Grice  
TGH, Room G323  

Description: Clinical experiences are directed by the 3 section leaders – Drs. Somboonwit, Casanas, and Alrabaa with 2 students max per section. Students would be together for didactic material and presentations.

Objectives: This course will combine evidenced-based didactic lectures on infectious diseases (including antibiotics, infection, and ... will be stressed. Students will have opportunities and responsibilities for self-study and scholarly/case presentation.

Rotation Activities: A typical day of this rotation is seeing assigned patients in the morning, didactic teaching, and rounds in the afternoon. Additional didactic teaching is provided on Monday from 6-7 pm and Friday from 8-9:30 am.

Patient Encounters: Evaluation: Students will be evaluated based on literature research for clinical rounds, presentations, and discussions.

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

Int Med  ID, International  MEL 8310 Infect Diseases  MCC 1 - 11  Adult Med, Pri Care  4  0  44  2,4  Greene, John  Clinical
**Description:** Facilities include patient populations with bacteremias, urinary tract infections, pneumonias, and HIV related issues. The Mayo Clinic'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 diseases so as to better understand whether therapy is affecting the course of disease in a given patient.
3. Comprehend the process of selection of appropriate antimicrobial therapy.

**Rotation Activities:**

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

**Patient Encounters:**

Evaluation:

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

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

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

**Objectives:**

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

**Rotation Activities:**

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

**Patient Encounters:**

Evaluation: Throughout the elective a formal evaluation process results in generation of written comments that are communicated to both the student and the instructor. Performance data will be incorporated in teaching rounds to provide guidance for the student to strengthen skills in areas of need.

**Syllabus:**

**Visiting Students:**

No

**Special Instructions:**

N/A
**Contact:**
Verona Allen  
verona.allen@va.gov

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

**Description:**
Objectives:
1. Provide fundamental information concerning techniques employed in diagnosing infectious disease
2. Obtain an appreciation for the natural history of infectious disease so as to better understand its progression and impact on the 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 supervision, in a setting that simulates the real world of medicine. Daily teaching rounds are integral to the educational experience, providing opportunities for students to interact with attending faculty and gain valuable insights into patient care.

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

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

| Int Med, International ID, MEL 8357 Infects Transp/Immuno com | TGH | 1 - 11 | Adult Med, Pri Care | 2 | 0 | 44 | 2,4 | Montero, Jose | Clinical |
|---|---|---|---|---|---|---|---|---|---|---|

**Contact:**
Tammy Grice  
tgrice@health.usf.edu
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 agent is made. The students will train with other members of the team including an Infectious Disease fellow and Infectious Disease attending.

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

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

Patient Encounters:

Evaluation:
The evaluation process will be ongoing on a daily basis through constructive criticism to help students perfect history taking, physical examination and presentation. Students are given the opportunity to give suggestions to help incorporate students' needs into future rotations through this service.

Syllabus:

Visiting Students:

Special Instructions:

Int Med ID, International Medicine
MEL 8363 Infectious Medicine
TGH 1-11
Adult Med, Pri Care
2 0 44 2.4 Montero, Jose
Contact:
Tammy Grice
TGH
tsgrice@gmail.com
(813) 844-4187

Report to: Tammy Grice
TGH Room G323

Description: Clinical ID Elective
TGH 1-11 Adult Med, Pri Care
2 0 44 2.4 Montero, Jose
Clinical

Click here for additional course information
Objectives:
The goal of the course is to learn to recognize, treat, and prevent infectious complications in the critically ill. The importance of early consultation and follow-up will be emphasized.

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

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

Syllabus:

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

Special Instructions:
N/A

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

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

Description:
TGH 1 - 11 Adult Med, Pri Care 1 0 40-44 2,4 Durr, Jacques Clinical
Objectives:
The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. In consultation with house staff and clinical fellows, participate in the care of patients with a variety of renal and hypertensive problems.

Rotation Activities:
Adequate exposure to renal patients is achieved through inpatient consultations in the affiliated institutions and the inpatient service that involves dietitians, social workers, clinical nurse specialists, as well as the attending staff.

Patient Encounters:

Evaluation:

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

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

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

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

Report to:
Alfredo Peguero-Rivera
Alfredo.Peguero-Rivera@va.gov

Description:
Objectives of this elective is to expose medical students to the broad general principles of Clinical Nephrology. In consultation with house staff and clinical fellows, participate in the care of patients with a variety of renal and hypertensive problems.

Patient Encounters:

Evaluation:
### Syllabus:

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

**Int Med**  
**Nephrology**  
**MEL 8313 Clinical Nephrology**  
**LVH-CC**  
**Yr 4 Status**  
**Yr 4**  
**2**  
**0**  
**40-44**  
**4**  
**Saqib, Mohammad**  
**Clinical**  

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

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**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 on an inpatient basis. The clinical experience involves a broad range of renal diseases, understanding the techniques of assessment, therapy, and chronic and acute disease management.

**Objectives:** The objective of this elective is to expose medical students to the broad general principles of Clinical Nephrology. In addition, students will learn how to develop a comprehensive assessment and management of renal disease patients in the inpatient setting that involves dietitians, social workers, clinical nurse specialists, as well as the attending staff.

**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 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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**Int Med**  
**Pulm/Sleep Med**  
**MDT 8200E Adv Respiratory Pathop**  
**USFMS 11A**  
**Yr 4 Status**  
**Yr 4**  
**10**  
**5**  
**40**  
**2**  
**Morris, Kendall**  
**Basic Science**
Description: This course is specifically designed to enhance student competency in Respiratory Pathophysiology. It will provide an in-depth review of normal and abnormal respiratory physiology, with an emphasis on critical care medicine. The course will consist of a combination of didactic sessions, interactive case scenario training, and patient encounters. Students will be required to prepare and present a case report.

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

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

Patient Encounters:

Evaluations: Students will be evaluated on oral presentations, application of the principles of pulmonary physiology to clinical scenarios, and the ability to critically analyze the most recent basic science discovery in oral case reports, as well as the use of references and judgment of evidence in case reports.

Syllabus:

Visiting Students: No

Special Instructions: N/A
Description:
The 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
4. Describe the various presentations of a patient that may be referred for clinical evaluation
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

Rotation Activities:
The trainee will see patients at the USF, VA and TGH Sleep clinics as well as in-patient consults. Trainees will have a plan developed with 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, TGH and VA. There are additional opportunities to have exposure to musculoskeletal ultrasound in the clinical setting.

Evaluation:
Students will be evaluated by the course director or his designee, at the end of the course, based on the clinical evaluations by all fellows and faculty who work with them. An in-service exam will assess some of the ACGME six core competencies.

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

The student will receive a final evaluation from the faculty preceptor with which they were assigned.

Syllabus:
Visiting Students:
Special Instructions:
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
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)

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

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

Patient Encounters:
The student will have the opportunity to rotate with a variety of rheumatology faculty at sites including USF Morsani and TGH. Students will also 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 by all fellows and faculty who work with them. An in-service exam will assess some of the ACGME six core competencies.

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

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

Syllabus:

Visiting Students:

Special Instructions:
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.

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:

Special Instructions:
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
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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.

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

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

Patient Encounters:

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

Syllabus:

Visiting Students: No

Special Instructions: N/A
Description:

Rheumatology is a specialty in internal medicine devoted to the diagnosis and management of over 100 complex and chronic diseases affecting the musculoskeletal system. These diseases include inflammatory arthritis such as Vasculitis, Rheumatoid Arthritis, Psoriatic Arthritis, Ankylosing Spondylitis, Gout, Osteoporosis, and Osteoarthritis.

Objectives:

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

Rotation Activities:

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

Patient Encounters:

During this elective, the student will actively participate on the rheumatology service in the outpatient setting, focusing on the clinic environment. The educational activities 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 and musculoskeletal diseases. Students will gain an understanding of the pathophysiology of these conditions, the techniques of assessment, therapy, and chronic and acute disease management.

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

- Perform an appropriate history and physical examination on patients with common systemic rheumatologic disease and other musculoskeletal conditions.
- Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic and musculoskeletal 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 services, as well as inpatient consults. They will work with the patient, transitions of care concerns, care plan and their own recommendations for improvement of the system.

Patient Encounters:
Ambulatory visits and inpatient consults

Evaluation:
The 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:**

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<td>LVHN DOE</td>
<td>Davida M. <a href="mailto:Leayman@lvhn.org">Leayman@lvhn.org</a></td>
</tr>
<tr>
<td>Dr. James Ross</td>
<td><a href="mailto:James.Ross@lvh.com">James.Ross@lvh.com</a></td>
</tr>
</tbody>
</table>

**Contact:**

Davida Leayman

LVHN DOE

Davida_M.Leayman@lvhn.org

Dr. James Ross

James.Ross@lvh.com

**Report to:**

Dr. Ross, Rheumatology

3080 Hamilton Blvd

Allentown, PA

10 am

**Description:** This elective is a multi-disciplinary four-week course designed to enhance the student’s competence in the recognition, evaluation, and management of patients with rheumatologic, dermatologic, orthopedic/sports medicine, 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, orthopedics, and musculoskeletal disorders. Students will be able to evaluate patients, recognize the clinical, laboratory, and radiographic features of the more common rheumatologic, dermatologic, orthopedic, and musculoskeletal diagnoses.

2. Recognize the clinical, laboratory, and radiographic features of the more common rheumatologic, dermatologic, orthopedic, and musculoskeletal diagnoses.

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

LVHN 5-6, 8-11 Yr 4 Status 10 4 40 4 Ross, James Clinical
Patient Encounters:

Evaluation:
- Presentation score and faculty evaluations

Syllabus:

Visiting Students:
- No

Special Instructions:
- N/A

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 rheumatologic, dermatologic, orthopedic, and musculoskeletal conditions. Students are given instruction in and hands-on experience in various procedures used in each of these specialties.

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

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

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

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

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

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**Patient Encounters:**

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

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

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**Interdepartmental Medicine (MDCC) 8340 Critical Care Medicine**

**LVH-CC**

1 - 11

**Yr 4**

2 0 40-80 4

Schwed-Lustgarten, Daniel

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 unit. Under the supervision of a preceptor, students will be introduced to the practice of medicine in ICUs. The goals of the course are to:

1. Obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information. Students will be expected to utilize the resources available on the floor to enhance the clinical examination (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 that identify patients with a rapidly declining, life threatening condition or a worsening disease state that threatens a vital organ function.
4. Recognize patients with acute respiratory failure based on clinical laboratory data (i.e. blood gases) and become familiar with the basics of mechanical ventilation (invasive and non-invasive).
5. Recognize patients with end-stage organ failure that may be candidates for therapy (i.e. renal, hepatic, cardio-pulmonary).
6. Analyze and become sensitized to end of life discussions with patients and/or family members.
7. 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 the areas listed above. The student will be expected to evaluate and manage critically ill patients and outline an initial course of management for patients with serious conditions requiring critical care.

Rotation Activities:
This course will include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, or a rotation in a variety of other critical care areas. The course will also include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, or a rotation in a variety of other critical care areas. The course will also include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, or a rotation in a variety of other critical care areas. The course will also include a rotation either through a Medical ICU, Pulmonary/Critical Care Consult ICU, Anesthesia Consult ICU, or a rotation in a variety of other critical care areas.

**Patient Encounters:**

**Evaluation:**
Students will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation activities. Students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.
Syllabus:

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

Special Instructions: N/A

Interdepartmental Elective MDC 8340 Critical Care Medicine

Click here for additional course information

Contact: 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 medical personnel (i.e., ER physicians, available hospital records, and interviews with the patient's family members), students will...

Objectives:

1. Obtain a clinical history and physical exam on a non-verbal, critically ill patient based on limited available information.
2. Compare and contrast the health needs of the critically ill patient to those encountered in the general medical ward and outpatient settings.
3. Recognize critically ill patients with shock as well as trends in vital signs and key laboratory data 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, skills, and abilities required to provide care for critically ill patients. Students will be evaluated by written, oral, and/or practical methods which include direct patient contact and simulation.

Rotation Activities:

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

Evaluation:

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

**MDC 8340 Critical Care Medicine**

Click here for additional course information

**Visiting Students:** No

**Special Instructions:** N/A

**Contact:** Jamie Cooper, PhD

jcooper8@health.usf.edu

(813) 974-2718

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

**Description:** This course is a selective for USF senior medical students and will include a rotation either through a Medical ICU, a surgical ICU, or a combination of both. The students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

**Objectives:**

The goals of this fourth year clerkship are to develop an approach to the care of patients with complex, critical illness. After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge of critical care medicine and the ability to manage patients with critical illness. The student will be able to take a critically ill patient through the ER, a code, and 4-5 days in hospital coverage.

**Rotation Activities:**

Patient Encounters:

Evaluation of patient encounters, simulation activities, didactics, and EKG interpretation

**Syllabus:**

Visiting Students:

Avoid absences during the first two days of the rotation. Absences on these days may require remediation in another rotation.

**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, a surgical ICU, or a combination of both. The students will evaluate electro-cardiograph (ECG) tracings through weekly quizzes to enhance interpretation skills.

**Objectives:**

The goals of this fourth year clerkship are to develop an approach to the care of patients with complex, critical illness. After being exposed to critical care patients in a variety of disciplines, the student will demonstrate specific knowledge of critical care medicine and the ability to manage patients with critical illness. The student will be able to take a critically ill patient through the ER, a code, and 4-5 days in hospital coverage.

**Rotation Activities:**

Patient Encounters:

Evaluation of patient encounters, simulation activities, didactics, and EKG interpretation

**Syllabus:**

Visiting Students:

Avoid absences during the first two days of the rotation. Absences on these days may require remediation in another rotation.
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<tr>
<th>Elective Business</th>
<th>BMS 6994D Schol Conc Elect-Hlth Disparities</th>
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Contact: Dr. Eduardo Gonzalez
egonzale@health.usf.edu

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

**Description:**
This longitudinal elective would reinforce and teach the knowledge, skills and attitudes that are needed to direct a ... year. The course is longitudinal, as the responsibilities of these students will continue throughout the academic year.

**Objectives:**
1. Develop skills to properly manage a multidisciplinary healthcare clinic
2. To form and nurture professional relationships with Moffitt, Hillsborough Health Department
3. Understand the Business/Finance aspect of Medicine through collaboration with Dr. Marshall
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
6. Collaborate effectively with Social Work, Public Health, Physical Therapy, Nursing, Pharmacy, and the College of Medicine to provide optimum care and services in a healthcare setting.

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.

Syllabus:

Visiting Students:

Special Instructions: No students elected to be the student medical directors for BRIDGE will be eligible for this elective. Students must notify and obtain permission from Dr. Lucy Guerra (lguerra1@health.usf.edu) or Eduardo Gonzalez (egonzalez@health.usf.edu) prior to scheduling.

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<tr>
<th>Interdepartment</th>
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Contact:

Dr. Eduardo Gonzalez
egonzalez@health.usf.edu

Report to:

Dr. Eduardo Gonzalez
egonzalez@health.usf.edu

Description: This elective is designed to strengthen the clinical and mentorship skills of senior medical students by involving them in the day-to-day operations of a healthcare clinic. Students will have the opportunity to participate in a research project benefiting either the clinic or the surrounding community.

Objectives:

1. Identify the special challenges in working with under-served populations, cultural differences, and barriers to access of care.

2. Understand the unique constraints encountered by a free clinic.

3. Attain competency in formulating lesson plans and leading group sessions.

4. Improve clinical body of knowledge and gain proficiency in diagnosis, management, and physical exam skills in a primary care setting.
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 Clinics: The clinical mentors are expected to attend a minimum of 15 clinic nights.

2. Clinical Teaching Sessions: The clinical mentors will be expected to formulate and prepare

3. Research Project: The clinical mentors will have the option to collaborate with directors an

Patient Encounters:

Evaluate: mentors will be evaluated based on punctuality, professionalism, respectfulness and

Syllabus:

BRIDGE Clinical Mentor Longitudinal Elective Syllabus RVSD22016.pdf

Visiting Students:

Special Instructions: Any student interested in taking the longitudinal BRIDGE Clinic elective will need to apply pri

<table>
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<tr>
<th>Interdept</th>
<th>MDE 8080 Clinical Informatics</th>
<th>LVH-CC</th>
<th>3-11</th>
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**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
Description:
This elective will be an introduction to Clinical Informatics. The elective will include a combination of didactic and hands-on instruction. The elective will emphasize the use of information devices and technologies. The student activities will be coordinated through the CMIO (or his/her designee).

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

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

Patient Encounters:
Evaluation will consist of ongoing appraisal of the student’s ability to assimilate the knowledge presented (both through didactic exposure and hands-on use of information devices and technologies), assess the clinical content of CIS and apply change management techniques to develop evidence-based improvements, and participate in simple projects with faculty mentors in health informatics, optimization of electronic health record systems, using data analysis techniques for research/quality improvement. The deliverables from these projects 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: Jamie Cooper, PhD
jcooper8@health.usf.edu
(813) 974-2718

Description:
The elective will introduce senior students to the practice and theories of adult education. Students will attend seminars that introduce them to education pedagogy and effective teaching techniques. 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. With senior faculty, students will practice assessing the learning activities of underclassmen. Students will reflect and write on their teaching experience.

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:
N/A

Evaluation:
By the end of the elective, students should feel competent to teach in both small group and clinical settings. Evaluation will include review of student teaching evaluations, observation of COM course leaders, and direct observation by the elective director.

Syllabus:
Doctoring IV syllabus 2017_18_Catalog.pdf

Visiting Students:
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.

<table>
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<tr>
<th>Interdepartment</th>
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<th>LVHN</th>
<th>Status</th>
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<th>Yr 4</th>
<th>2</th>
<th>0</th>
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</table>
Contact: Amy B. Smith, PhD
amy_b.smith@lvhn.org

Report to: Department of Education
1247 S Cedar Crest, 2nd Floor
Monday at 8 AM

Description: This elective is designed to introduce students to the art and science of simulation in healthcare education. Students will develop a deep understanding of the principles of adult learning and experiential learning theories that underpin simulation practice. In addition, students will compare teaching with simulation versus assessing with simulation and review simulation curriculum from a student perspective and design.

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

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

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

Patient Encounters:

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:

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

Contact:
Dr. Lucy Guerra
lguerra1@health.usf.edu
Dr. Asa Oxner
aoxner@health.usf.edu
Dr. Oxner will be responsible for the evaluations and mentorship of quality improvement projects.

Description:
This elective allows third and fourth year medical students to gain experience in delivering medical care to marginalized populations.

Objectives:
1. Work as medical staff at TBSM service events, including street runs, clinics, and the mobile medical clinic.
2. Mentor underclassmen during clinic hours.
3. Participate in ongoing rapid cycle quality improvement related to the mobile medical clinic.

Rotation Activities:
1. Mobile Clinic: Students are expected to volunteer on the mobile clinic Monday through Friday, both morning and afternoon shifts.
2. Weekly Service Events: TBSM holds a free clinic at the First Presbyterian Church (412 E Zack St, Tampa, FL 33602) on Saturdays. Students will learn to present themselves to the patient, perform a thorough history and physical examination, develop a differential diagnosis and treatment plan. Students must provide their own transportation to each clinic location.
3. Research Project: Students will contribute to an ongoing research project that is directly related to the TBSM mission. Students are encouraged to submit their research for presentation or publication.

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

TBSM Medical Van Sites.pdf

Evaluation:
Students will be evaluated based on punctuality, professionalism, participation in all scheduled service events, and effort put forth in the research project.

Students will be evaluated based on punctuality, professionalism, participation in all scheduled service events, and effort put forth in the research project.

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Evaluation:
Students will be evaluated based on punctuality, professionalism, participation in all scheduled service events, and effort put forth in the research project.
A PASS grade will be given to students who attend and participate at all scheduled clinical duties and perform a quality project. Students who meet criteria for a PASS grade and also demonstrate outstanding performance in clinical duties and research.

Syllabus:

Visiting Students:

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

Special Instructions:

N/A

Interdepartmental MDE 8523 Dental Medicine

Click here for additional course information

Contact:

Lesley Shambo
Lesley.Shambo@lvhn.org
(610) 969-3036

Report to:

Dental Medicine 17
First floor, 17th and Chew St.
Monday 8:30 am

Description:

This is a two-week rotation split between the LVH-17th Street site in Allentown, and the LVH-CC 5, 8-11 Yr 4 Status 1 0 40 2 Incalcaterra, Charles

Objectives:

1. Examine what hospital-based post-doctoral dental programs consist of
2. Increase knowledge of head and neck anatomy and pathology as well as understand the ramifications of systemic disease for dental treatment
3. Describe the role that dental health plays in overall patient wellness
4. Experience the provision of some simple procedures that could be used when engaging in future medical practices, such as administration of local anesthetics and/or simple dental extractions
5. Analyze the relationship between oral and systemic diseases and be able to identify how systemic disease affects oral health
Rotation Activities:

Students will observe dental therapy in the outpatient dental clinics, particularly on patients who need special care due...to the systemic administration of medications, malocclusions, oro-facial pain and temporo-mandibular joint dysfunctions.

The student will participate with the dental residents responding to inpatient consult requests from other departments...

In addition, the student will attend seminars on various dentally-related topics along with the dental residents...

Patient Encounters:

Evaluation:

The attending who is present each clinic session who will provide a written evaluation to the program co-directors...Evaluator will provide a written evaluation to the program co-directors...

Level of Engagement

Professional Conduct

Patient Management and Rapport

Attendance at all assigned lectures

Attendance for all on-call responsibilities

Syllabus:

Visiting Students:

Special Instructions:

Interdepartmental MDE 8581: Inpatient Physical Medicine and Rehabilitation

Click here for additional course information

Contact:

Leigh-Anne Piechta, DO

Leigh-Anne_B.Piechta@lvhn.org

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

Description:

This elective is designed to introduce senior students to the practice of Physical Medicine and Rehabilitation...

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.

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.

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

Patient Encounters:

Evaluation:

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

Syllabus:

I. Rationale:

Introduce medical students to postacute care.

II. Course Aims and Outcomes:

Aims

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

III. My Assumptions

Students should have basic physical exam skills and basic knowledge of the diagnoses seen 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:

Special Instructions:

Interdepartmental MDE 8714 Intro to Medical Toxicology

Click here for additional course information.

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

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

Objectives:

1. Become familiar with fundamental concepts underpinning the clinical management of Toxicological patients. This includes drug absorption, redistribution, metabolism, and elimination.

2. Understand the principles, methods and controversies related to limiting toxic exposures. This includes gastric lavage, activated charcoal administration, renal replacement therapy, ion trapping, and hyperbaric oxygen.

3. Review knowledge of basic kinetic principles of drug absorption, redistribution, metabolism, and elimination.

4. Study poisoning epidemiology specifically within populations ‘at risk’ such as toddlers, the elderly, pregnant or nursing women, migrants and immigrants.

5. Complete case studies from approximately 20 classes of drugs and poisons commonly encountered in clinical practice. Emphasis will be placed on assessing severity and initiating timely, appropriate treatment.

6. Learn guiding principles of the management of acute intoxication in the Emergency Department. Commonly abused drugs for specific socioeconomic groups will be reviewed. Withdrawal states will also be discussed.

7. Become familiar with selected antidotes, their uses, doses, side effects and limitations.

8. Develop awareness for important agents of toxinology (naturally occurring toxins). These include plant and animal toxins, especially focusing on native venomous arthropods, reptiles and marine creatures.

9. Understand diagnostic toxicology laboratory techniques, limitations and costs of both qualitative and quantitative analyses.

10. Observe the clinical operation of a Poison Center. Understand the public health role of the Poison Center.

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.

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. Students should keep a record of all patients encountered.

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

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

Patient Encounters:

Evaluation:

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 not 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:
Lehigh Valley Network on VSAS.

Special Instructions:

Contact:

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

### 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 professionals in challenging clinical situations through standardized patient encounters and other learning and assessment modalities.
4. Demonstrate knowledge and skills in health systems, processes related to optimizing patient care.

### Syllabus:

### Visiting Students:
No

### Special Instructions:
N/A

---

### Course Information:

**Course:** MDE 8942 Clinical Enrichment Elective

**USFMS:** 1 - 11

**None:** No Limit

**Number of students:** 0

**Maximum:** 40

**Limit:** 2, 4

**Contact:**

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

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

**Description:**
Faculty will work with each student to design a curriculum to develop advanced proficiency in the various clinical skills that they will use in different 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 the course):

- USFMS
- Kiluk, Vinita
- Clinical
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...

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:
Any student who wishes to complete this elective will need to meet with either Dr. Vinita Kilu...
Objectives:
The overriding goal of this course is to provide an academic opportunity for students to explore a SELECT competency that is both interesting to them and critical to their future practice of medicine. The specific objectives are to:

1. Further develop self-directed learning, evaluative and critical reasoning skills through the design, and execution and reporting of a Project
2. Through the work on the Project, integrate an in-depth understanding of one or more SELECT domains into medical care
3. Experience the modalities of academic reporting through the submission of an Executive Summary (or Abstract), a Poster, an Oral Presentation, and a Paper. These modalities should be of a quality appropriate for both Professional submission and University Archiving

Rotation Activities:
1. Mentor Contract
2. Proposal
3. Check Ins
4. Executive Summary
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:

Visiting Students:
No

Special Instructions:
N/A

Interdepartmental Relationships:
MEL 7267S International Health SELECT

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

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

Clinical
Description: This elective has been designed to provide students opportunities to further explore the SELECT competencies. Students will be exposed to health care disparities at an international level through immersion in a different and unique health care system in a developing country.

Objectives:

1. To be exposed to a different culture and health care system in a developing country
2. To experience team work through collaboration with students from different countries and with the local health care professionals all working towards the same goals (Team Effectiveness and Communication)
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

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

Patient Encounters: As required by the host institute

Evaluation: Students will be evaluated by the course director at the end of the course based on their pre-work, reflections, and experience. 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: Dr. Ryan Naughtin rnaughtin@health.usf.edu

Statement: This course has unique locations for each activity.
This senior medical student elective is intended to teach the practical and theoretical medical skills necessary to function effectively in situations outside of the hospital setting. Students 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

Patient Encounters:

Students will be evaluated by the course director at the end of the course based on attendance and participation of rotation 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.

Interdepartmental Medicine (MDE 8044 Int’l Medical Spanish /Culture)

Co-directors: C. Callegari V. MD MEd DMSc FAAP

Professor, Department of Pathology and Cell Biology
ccallega@health.usf.edu
(813) 974-3177 Skype ID: cccvint
Eduardo Gonzalez, MD, FAAFP
Associate Professor, Department of Family Medicine
egonzale@health.usf.edu
(813) 974-2201

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

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

Objectives: Students will be able to establish communication in Spanish to the degree of:

1. Understanding a patient’s needs for seeking health care and obtaining their reason for the encounter (chief complaint)
2. Conducting basic medical interviews and being able to characterize the signs and symptoms of the patient
3. Being able to communicate requests when performing a general physical examination

2. Students will understand the differences between various clinical settings in the country visited and compare them with the USA facilities and health system.
3. Students will compare medical problems and health needs from local population with the Hispanic and non-Hispanic USA population.
4. Students will understand and be sensitive to local, family, and cultural values and be able to compare them to the USA Hispanic and non-Hispanic population.

Rotation Activities:
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.

Patient Encounters:

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

Syllabus:

Visiting Students:

Visiting students should sign up no later than 6 months prior to the course. Students should...
Emergency medical insurance is required for all electives abroad. For all International requirements, please contact the USF Health Office of International Affairs.

| Interdept | MEL 8939 Clinical Science Review | USFMS | 1 - 12 | Prior Approval, Remedial Course | TBD | 0 | 40 | 4 | Faculty |

Note: Click here for additional course information.
<table>
<thead>
<tr>
<th>Activities:</th>
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</thead>
<tbody>
<tr>
<td>Patient Encounters:</td>
</tr>
<tr>
<td>Evaluation:</td>
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<tr>
<td>Syllabus:</td>
</tr>
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<td>Visiting Students:</td>
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</table>
**Special Instructions:**

Interdepartmental Education

MEL 8954

Becoming the Physician Educator

Click here for additional course information

<table>
<thead>
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<th>Interdept</th>
<th>Education</th>
<th>USFMS</th>
<th>Yr 4 Status</th>
<th>Status</th>
<th>USMS</th>
<th>Kiluk, Vinita</th>
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Contact:

Dr. Vinita Kiluk  
vkiluk@health.usf.edu

Dawn Schocken  
dschock1@health.usf.edu

Report to: CAMLS after schedule has been created by the course director.

Description:

This elective is designed to introduce senior medical students to the role of the physician educator, a clinical faculty member who teaches students at the bedside as well as in large and small groups.

Objectives:

At the end of this elective, the student will be able to:

1. Demonstrate an understanding of the role of an academic physician in the pre-clerkship curriculum
2. Analyze how to integrate basic science teaching in the clinical setting
3. Examine and demonstrate the concepts of bedside teaching
4. Compare effective teaching methods/strategies, feedback/evaluation strategies, and approaches to dealing with difficult learners
5. Create a session incorporating measurable goals and objectives for a course
6. Demonstrate an understanding of collaboration with pre-clerkship faculty to teach MS1 and MS2 students effectively in small group and large group active learning settings.

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

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. This includes:

- Patient Encounters:
  - Evaluation of patient encounters
  - Active participation in teaching seminars
  - Active collaboration with instructors to develop teaching materials
  - Delivery of well-researched lecture and well-researched small group session

Syllabus:

Visiting Students:

Special Instructions:
Please submit a brief email to one of the faculty prior to signing up for this elective indicating your personal goals that you hope to achieve during this elective. Registration requires permission of the course director(s).

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

Report to:
Michael Ramsamooj
mramsamo@health.usf.edu
(813) 974-9573
Description:
The student will undertake a specific research project in collaboration with one of the faculty and will participate in rotations within 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

Evaluation of the student will be based on the mastery of a set of research techniques, the ut.

Objectives:
The objective of this course is to introduce the student to modern methods and concepts of L

Rotation Activities:

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

Patient Encounters:

N/A

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Contact:

Javier Cuevas, Ph.D.
Professor and Associate Chair
jcuevas@health.usf.edu
(813) 974-1545
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 stimulating 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 techniques, behavioral testing, molecular biology techniques, required for successful completion of project
3. Compile and analyze data
4. Develop tables and figures based on data
5. Derive conclusions and present data via verbal and/or written communication

Patient Encounters: N/A

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

Syllabus:

Visiting Students: No

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

<table>
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<tr>
<th>Molec Pharm Physio</th>
<th>Pharm Physio</th>
<th>MEL 9999D Indep Study - Pharmacology</th>
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<td>Dominquez-Rieg, Jessica Research</td>
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Contact: Jessica Dominguez-Rieg, Ph.D.
Assistant Professor
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 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.

<table>
<thead>
<tr>
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<th>MEL 9999H Indep Study - Pharmacology</th>
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<td>USFMS 10B, 11A Yr 4 Status</td>
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<td>Wirano wska, Marzen na</td>
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</tbody>
</table>

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

**Report to:** Marzena Wiranowska’s office  
Contact Dr. Wiranowska prior to start of rotation at  
mwiranow@health.usf.edu

**Description:** 2-week elective for fourth year medical students under the supervision of Dr. Marzena Wiranowska.

**Objectives:**
1. Students will appreciate the role that the immune system plays in many neurological conditions.
2. Students will learn about recent basic scientific advances in immunology and how the immune system affects disease progression.
3. Students will appreciate the process of translating scientific discovery to bedside treatment.
4. Students will learn how to do a literature review and how to critically examine and interpret scientific literature.
5. Students will produce a final project examining the role of the immune system in a neurological disease chosen from the “List of Major Topics.”

**Rotation Activities:**
- Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
  1. Students will meet with the Course Director (Dr. Wiranowska) prior to and at the start of 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. Home reading assignments may be given and assessed by the Course Director and clinical preceptors.
  2. Students will be required to present a final project (usually in the form of a power point presentation).
  3. 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, based on clinical evaluations and evaluation of their final project.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Neurology

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Yr 4 Status</th>
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<td>MDE 8580</td>
<td>Intro to Physical Medicine and Rehabilitation</td>
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<td>Radecki, Jeffrey</td>
</tr>
</tbody>
</table>

Click here for additional course information

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 practice the skills necessary for the evaluation, diagnosis, and treatment of musculoskeletal, orthopedic, and neurological conditions. This experience will also include instruction and practice in fluoroscopically guided interventional procedures and electrodiagnostic testing (EMG).

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 patient
4. Use imaging appropriately in the evaluation of musculoskeletal injury/illness
5. Develop familiarity and comfort with medications used to mitigate illness/injury
6. Develop familiarity with interventions such as epidural injections, radiofrequency ablation,
7. Develop treatment plan according to best practices
Rotation Activities:
1. Students will participate in the outpatient Physiatry clinics & the Inpatient Rehabilitation Facilities at the LVHN Cedar Crest and Muhlenberg campuses.
2. Students will follow the schedule created for the attendings and nurse practitioner with whom they work. They will have an opportunity to customize a unique schedule to provide exposure to areas of interest.
3. Care is provided at LVHN Cedar Crest and Muhlenberg locations treating patients from early adulthood to geriatric ages. Interpretation services are available to assist in the patient care setting, either through direct interview or via a remote language line service.
4. Students are expected to observe, perform selected history and physical evaluations, and perform certain procedures appropriate for the Physiatry setting. All such procedures will be under the direct supervision of the attending physician.

Patient Encounters:

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

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

Neurology
MDE 8580 Intro to Physical Med & Rehab

T-VAH 1 - 11 None 2 0 44 2,4 McCart

Clinical

Contact:
Prior to rotation, contact:
Sarah McCauley
samccaul@health.usf.edu
(813) 974-1469
A Chief Resident will be assigned to handle on site specifics.

TBI
Faiza.Humayun@va.gov

General Rehab
Joseph.Standley@va.gov

EMG
Hung.Tran2@va.gov
Description:
This elective will provide the medical student with a broad and comprehensive educational experience in Physical Medicine and Rehabilitation. Students will spend a week in each area – TBI, General Rehab., EMG and SCI.

Objectives:
- Enable the student to become skilled in functional evaluation and anatomic correlation of pain and motion problems.
- Gain experience in the care of rehabilitation problems.
- Gain insight into the diagnosis of acute pain problems.
- Recognize a conservative treatment model for acute pain problems.
- To acquire experience in the management of patients with traumatic brain injury.
- To understand the role of the rehabilitation team in the management of patients with TBI.
- To gain experience in the neurologic examination of patients with motor and cognitive deficits.
- To acquire experience in the management of patients with Spinal Cord Injury.
- To understand the role of the rehabilitation team in the management of SCI.
- To gain experience with the neurologic examination of patients with SCI.

Rotation Activities:
There will be instruction in the evaluation and rehabilitation of a wide range of medical disability conditions including, but not limited to, those patients with disabilities. This will benefit all medical students regardless of their primary area of interest.

Patient Encounters:

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

Syllabus:

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

Special Instructions:
N/A
Contact: Hotchkiss
Laura.L.Hotchkiss@lvhn.org
(484) 884-8964

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

Description:
The elective is under the supervision of a Neurology attending. Students become an integral part of a team that cares for patients with various neurological diseases. There are opportunities for participating in research projects.

Objectives:
1. Master skills in obtaining neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan
4. Become familiar with Neurology beyond the core requirements
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency
7. Learn to perform lumbar punctures
8. Learn basics of EEG and EMG/NCS

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

Rotation Activities:
1. Students will perform consults and evaluations of inpatients under direct supervision of attending and residents.
2. Students will care for their own panel of patients under supervision of attending and residents.
3. Students will present at morning report and case conference.
4. Students will accompany their patients to different tests such as EEG and EMG.
5. Students will participate in daily rounds on inpatients.
Patient Encounters:

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

Syllabus:

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

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

<table>
<thead>
<tr>
<th>Neurology</th>
<th>MEL 8671 Elect</th>
<th>TGH</th>
<th>1 - 11</th>
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<th>1</th>
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<th>Hurst, Rebecca</th>
<th>Clinical</th>
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</thead>
</table>

Contact: Shereena Farrington

Neurology Education Coordinator

sfarring@health.usf.edu

(813) 974-4142

Report to: TGH, 9th Floor

Room 941-A

Monday at 7:00 AM

Description: The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will

Objectives:

1. Master skills in obtaining a neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions
4. Learn how to manage patients presenting with neurological emergencies
5. Become familiar with Neurology beyond the core requirements
6. Gain more independence in dealing with neurological patients
7. Develop readiness for transition into residency
8. Learn to perform lumbar punctures
9. Learn basics of EEG and EMG/NCS

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

1. Students will evaluate patients in the emergency room and in the hospital under Attending and Resident supervision. Students will perform history and physical examinations and manage the patients in the hospital. 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.

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

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

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

Students will receive feedback on their performance:

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

Syllabus:

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

Special Instructions:
Description:
The elective is under the supervision of Dr. Alfred Frontera. During this rotation, students will become 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. Students will examine patients and manage the patients 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:**

Apply via USF Health Morsani College of Medicine on VSAS.

**Special Instructions:**

N/A

**Neurology:**

MEL 8673 Elective in Epilepsy

Click here for additional course information

**Contact:**

Shereena Farrington

Neurology Education Coordinator

starring@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 will be expected to function at the sub-intern level.

Students may do a two or four-week elective in the Tampa General Hospital Comprehensive Epilepsy Program, USF clinics at TGH.

**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:

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

1. Students will learn how to obtain a thorough epilepsy history and understand the spectrum of epilepsy syndromes.

2. Students will round with the Attendings (and Fellows when applicable) on the patients in the video-EEG monitoring unit daily.

3. Students will have the opportunity to understand the basics of electroencephalography by reviewing studies with the Fellows and Attendings daily.

4. Students will have several opportunities throughout the month to participate in Wada testing, which is used for language and memory lateralization.

5. Attendance at weekly epilepsy surgery conference is mandatory.

6. Interested students may also spend a few days at the pediatric epilepsy clinic and video-EEG monitoring unit at All Children’s Hospital based on availability.

7. Students may attend and participate in weekly Neurology Morning Report sessions and weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:

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

Evaluation:

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

1. Clinical History taking and examination will be evaluated by the Attending and weekly feedback will be given.

2. Students will also be evaluated by the Residents they work with and weekly feedback will be given.

3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

1. Through weekly assessments of their performance.

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

Syllabus:

Visiting Students:

Application is available via USF Health Morsani College of Medicine on VSAS.
Neurology

MEL 8674 Elect in Headache & Pain Med

Click here for additional course information

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

Report to:
USF Morsani Clinic
3rd Floor
Monday at 8:00 AM

Description:
The elective is under the supervision of Dr. Kavita Kalidas. During this rotation, third or fourth-year medical students will have the opportunity to learn and achieve the educational goals and objectives through methodologies and activities such as obtaining a comprehensive medical, neurological, and headache history, performing a detailed neurological examination under the supervision of the Attending physician, observing various interventional procedures, attending the Headache Infusion Suite, and gaining knowledge about various oral and IV medications used in headache management, as well as learning about complimentary interventions such as neuromuscular re-education/biofeedback, physical therapy, occupational therapy, and psychological intervention.

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 and secondary 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 complimentary interventions used to treat headache and pain patients such as neuromuscular re-education/biofeedback, physical therapy, occupational therapy, and psychological intervention.

Rotation Activities:

Students will learn how to obtain a comprehensive medical, neurological, and headache history and understand the spectrum of headache syndromes.

Students will learn how to do a detailed neurological examination under the supervision of the Attending physician.

Students will observe a variety of interventional procedures such as botulinum toxin injections, trigger point injections, and peripheral nerve blockade.

Students will have the opportunity to learn acute treatment of a variety of headaches by attending the Headache Infusion Suite.

Clinical
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: Patient presenting with various headache and pain disorders in the inpatient setting.

Evaluation 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. Students will also be evaluated by the Residents they work with and weekly feedback will be given.
3. Home reading assignments may be given and assessed by the Attending.

Students will receive feedback on their performance:

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

Syllabus:

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

Special Instructions:

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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 and Neurosurgery clinics. 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 Disorders and Neurosurgery faculty.

Objectives:
1. Students will understand the pathophysiology of common movement disorders.
2. Students will learn how to diagnose patients presenting with movement disorders such as Parkinson's disease, atypical parkinsonisms, Essential Tremor, Dystonia, Ataxias, Huntington's disease and Tic disorders.
3. Students will learn about the medical management of patients with movement disorders, including observing botulinum toxin injections.
4. Students will learn about the surgical management options (DBS) for patients with advanced Parkinson's disease and dystonia.

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

1. Students will learn how to obtain a comprehensive medical and neurological history in patients presenting with movement disorders.
2. Students will learn how to do a detailed neurological examination in patients presenting with movement disorders under the supervision of the Attending physician.
3. Students will observe the use of botulinum toxin injections in the treatment of certain movement disorders.
4. Students will learn how to select appropriate patients for surgical treatment with Deep Brain Stimulation (DBS).
5. Students will have the opportunity to observe clinical trial visits evaluating the efficacy of experimental drugs in treating various movement disorders.
6. Opportunities to participate in research projects are available.

Patient Encounter: Students see patients at the North and South Campus Movement Disorder clinics under the supervision of Drs. Zesiewicz, Smith, and Vale. They will rotate with the Movement Disorders Neurosurgeons (Drs. Smith and Vale) either in the operating room or in their clinics.

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

1. Clinical history taking and physical examination skills will be evaluated by the Attending at weekly feedback will be given.
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:
N/A

Neurology

MEL 8677 Outpatient Neurology
Click here for additional course information

LVHN 1 - 11 Yr 4 Status 1 0 44-50 2.4 Varrato, Jay Clinical

Contact:
Laura Hotchkiss
Laura_L.Hotchikss@lvhn.org
(484) 884-8964

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

Description:
The student will construct a calendar of outpatient experiences which can include a variety of inpatient, office, and emergency department experiences to assist students who want a career in primary care or neurology as they prepare for outpatient delivery of care.

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

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

Rotation Activities:
1. Student will spend time in various outpatient settings under the direct supervision of attendings.
2. Student will spend time evaluating patients on their own and presenting to attending.
3. Students will learn basics of EMG and EEG testing.
4. Students will perform neurologic exams and histories in presence of attendings.
5. Students will attend all necessary conferences.

Patient Encounters:

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 3 months prior to the rotation.

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Contact:

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

Report to:

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

Description:

The elective is under the supervision of Dr. Rebecca Hurst. During this rotation, students will become an integral part of the outpatient neurology team. Students will work closely with faculty members and residents to gain hands-on experience in evaluating and managing neurological patients. The department may assign students to USF Clinics, the James A. Haley or Bay Pines Veteran's Hospitals, Moffitt Cancer Center, Harbourside Medical Tower, or Tampa General Hospital to complete this elective.

Objectives:

1. Master skills in obtaining a neurological history and examination
2. Actively participate in discussing differential diagnosis
3. Learn to create a comprehensive management plan for patients presenting with common neurological conditions
4. Become familiar with Neurology beyond the core requirements
5. Gain more independence in dealing with neurological patients
6. Develop readiness for transition into residency

Rotation Activities:

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

1. Students will evaluate patients in the outpatient clinic setting under Attending supervision. They will take a complete history and perform a neurologic examination. Students will be evaluated by the Attending on their history taking and examination skills. Neurological examination skills will be taught to the students during their patient encounters.

2. Students will participate in neuroimaging, EEG, and EMG/NCS interpretation as applicable 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:

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

Special Instructions:

N/A

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Contact: Hatchkiss
Description:
This elective is designed to give fourth-year students more extensive exposure to the practice of Vascular Neurology. It consists of a comprehensive curriculum for the management of patients with cerebrovascular diseases with a focus on ischemic stroke, intracerebral hemorrhage and subarachnoid hemorrhage.

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

Students will see patients at Cedar Crest hospital and Center for Advanced Health Care. Upon completion of this elective, students should understand the principles of diagnosis and management of patients who have vascular neurological disorders.

Rotation Activities:
1. Students will spend time on stroke service evaluating acute stroke patients.
2. Students will perform evaluations of patients under direct supervision of residents and attendings.
3. Students will see patients in the outpt stroke clinic with a 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:
Lehigh Valley Network on VSAS.

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

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

**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 contraindications for use of IV-TPA, IA-TPA and intravascular clot removal.
5. Understand the principles of management of acute hemorrhagic stroke.
6. Evaluate the proper use of laboratory and neuroimaging studies in cerebrovascular diagnosis.
7. Appreciate the diagnostic and management algorithms in acute stroke intervention.
8. Identify risk factors and treatment strategies for primary and secondary prevention of stroke.

**Rotation Activities:**

Students on this rotation will be expected to learn and achieve the educational goals and 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 the Attending physician 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 the chronic effects of stroke and the dynamic process of neuro-rehabilitation.
- Students will also get exposure to interventional neurology as it pertains to the management of ischemic stroke and subarachnoid hemorrhage (intravascular clot removal, intravascular aneurysm coiling, etc.).

Contact: Shereena Farrington
Neurology Education Coordinator
sfarring@health.usf.edu
(813) 974-4142
Room TGH 9th Floor Room 941-A
Monday at 7:00 AM

Report to: Monday at 7:00 AM
5. Students gain experience in critical care neurology as it pertains to the management of patients with ischemic stroke, intracerebral hemorrhage and subarachnoid hemorrhage.

6. Students will attend and participate in weekly Interdisciplinary Stroke Conference, weekly Neurology Morning Report, weekly Neurology Didactic teaching sessions and weekly Neurology Grand Rounds.

Patient Encounters:
Students will evaluate patients with known or suspected stroke syndromes (acute and chronic) in hospital and ambulatory settings. They will work with the Neurology Service and see patients in the outpatient stroke clinics under the supervision of a Vascular Neurology Attending.

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

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

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

Syllabus:

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

Special Instructions:

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

Report to:
Contact Dr. Charles Brock prior to start of rotation at cbrock@health.usf.edu.
Description: 2-week or 4-week elective for third or fourth year medical students under the supervision of Dr. Charles Brock.

This elective course is designed for the student who is interested in furthering his/her neurological knowledge by learning about stroke, other movement disorders, neuro-muscular disease and stroke. The elective is offered with approval of the Chairman.

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

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

1. Students will meet with the Course Director (Dr. Brock) prior to and at the start of the rotation to delineate a topic of interest and identify a Research Mentor (if not already identified).
2. In conjunction with their Research Mentor, students will perform an in-depth literature review, formulate an hypothesis, develop a research plan, 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, it is implied that the student has already done previous work on the research project prior to enrolling in this elective.

Patient Encounters:
N/A

Evaluation: The student’s final grade will be based on a review of their final manuscript by the Course Director and their Research Mentor.

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

Syllabus:

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

Special Instructions:

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Neurology

MEL 9999N Indep Study - Neurology

USFMS or LVHN

1 - 11 Yr 4 Status No Limit 0 40 2.4 Faculty Indep Study

Neurosurgery

BCC 8122 Neurosurgery AI

TGH 1 - 11 Yr 4 Status 4 0 40-70 4 Vale, Fernando Clinical

Contact:

Kelly Thompson, Residency Coordinator

kpthompson@health.usf.edu

(813) 259-0901

Report to: Neurosurgery Resident for morning rounds at 6:30 am on the first day

Neuroscience ICU 5th Floor at Tampa General Hospital

Description:

This will be a clinical experience in which the student will work under the supervision of the Residents and Fellows in Neurosurgery to gain experience in the diagnosis 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 neurosurgery. Students will learn and apply the specifics regarding performing neurological exams; collecting an accurate and complete history; performing and/or assisting in patient evaluations and minor procedures; presenting the case to residents and/or attendings to discuss differential diagnosis and formulate a plan of care.

Students will demonstrate interpersonal and communication skills through their interactions with patients and their families, and with staff and faculty, with a focus on respectfulness; be open to educational opportunities, and receptive to constructive criticism from supervising personnel.

Students will participate in team-based learning exercises; perform literature and/or database searches on specific topics; participate in problem-based learning; synthesize patient problems; develop and present a case presentation; assess the healthcare system; employ collaborative approaches that effectively and efficiently make use of healthcare resources.

Rotation Activities:

Students will participate in daily ward rounds and will be integrated into the ward management team. Participating in 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. Depending on the conference topic, a student will deliver a presentation of no more than ten minutes in length, on a neurosurgical topic, to both demonstrate and develop their presentation skills.

Patient Encounters:

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

Evaluation:

At the conclusion of the rotation, the student should be quite familiar with and have a basic appreciation of the scope of practice of the Residents and Fellows. Evaluation will be based on their ward performance, conference performance, and the quality of their histories and physicals.

Syllabus:

Visiting Students:

Apply via

TGH
### Neurosurgery Subinternship

**BCC 8122 Neurosurgery AI**

- **LVH-CC**
- **Yr 4**
- **Status**
- **40-70**
- **Li, Mark**
- **Clinical**

**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:** The student will be associated with neurosurgical surgeons whose patients exhibit a wide spectrum of neurological disorders. They will participate in rounds and observe angiographic and CT diagnostic procedures.

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

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

**Syllabus:**

**Visiting Students:** No

**Special Instructions:** N/A
**Neurosurgical Research**

**Click here for additional course information**

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

**Report to:** Fernando Vale, 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 career. Students will identify a specific research topic of interest, whether independently, or in collaboration with ongoing multi-investigator studies.

**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 based on study design, execution, and interpretation.
- 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, histologic, immunohistochemical, and behavioral methods. Short clinical research projects can also be arranged if planned well in advance.

**Patient Encounters:**

**Evaluation:**
- Evaluation will be based on faculty assessment of the student's research productivity.

**Syllabus:**

**Visiting Students:**

**Special Instructions:**

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Contact: Martin Martino

Martin.Martino@lvhn.org

**Report To:** Valley Hospital Cedar Crest, 7C

Monday 6:00 AM

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

**Description:** Students will be expected to demonstrate a level of skill in-patient care of both gynecologic oncology in-patients and... by completing all intern related administrative tasks under supervision of chief resident and assigned faculty mentor.

**Objectives:**

1. Will act as the primary provider (house officer): admit, develop management and diagnostic plan for the gynecologic oncology patient and have plan for initial orders for assigned patients

2. Will follow up on patient’s status and develops new management and diagnostic plans for assigned gynecologic oncology patient

3. Will be assistant surgeon for procedures as level of training allows

4. Will review, round on, document upon, and present assigned patients on the gynecologic oncology service during daily rounds

5. Will manage a sufficient number of patients as a medical student to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for oncologic patients

6. Will see patient in the ambulatory gynecologic office setting with faculty attendings when assigned

7. Will participate in and develop an understanding for the principles of robotic surgery

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

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

**Rotation Activities:**
1. The student will work with the Gynecologic Oncology team caring for patients on the wards, in the OR, and in the clinic to help manage patients. Participate as acting intern in all assigned pre-operative and post-operative care and procedures.

2. Participate in new consults and emergency room evaluations as acting intern and be responsible for examining and managing patients during office hours and his/her time on service. The student will check out to the OB/GYN resident assigned to ward call or faculty on call.

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

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

Patient Encounters:

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

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

Syllabus:

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

Special Instructions:
N/A

Contact:
Dr. Stephanie-Marie Jones
Stephanie-Ma._L.Jones@lvhn.org

Ob/Gyn
MDE 8164 Adv Ob /Gyn Milestone Elective
LVHN 11A Yr 4 Status No Limit 0 40 2 Jones, Stephanie-Marie
Clinical

Stephanie-Ma._L.Jones@lvhn.org
Report to: Labor & Delivery, 3rd Floor Jaindl
Lehigh Valley Hospital, Cedar Crest
Monday 7:00 AM

Description: This elective is designed for senior students who have chosen to pursue a career in obstetrics.

Objectives:
1. Demonstrate basic knowledge of normal obstetrical care and common medical complications.
2. Demonstrate basic knowledge of routine/uncomplicated intrapartum obstetrical care included.
3. Demonstrate basic knowledge of normal postpartum care.
4. Demonstrate basic surgical procedures and basic gynecology office procedures.
5. Demonstrates knowledge of basic abdominal and pelvic anatomy.
6. Demonstrates basic knowledge of common ambulatory gynecology problems.

Rotation Activities: Students will undergo a curriculum that addresses each of the ACGME Level 1 Milestones. This will be 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 examinations, clinical case scenarios, and simulation exercises. Grades will be determined based on these evaluations done at the end of the course.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Ob/Gyn MDE 8165  Gynecology Elective
LVHN 4 - 11 Yr 4 Status 1 0 60 4 Jones, Stephanie-Marie
Clinical

Contact: Stephanie-Marie Jones
Stephanie-Ma_L.Jones@lvhn.org
Description:
The elective is intended for those students who wish to obtain additional background in gynecology.

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

Rotation Activities:
1. Oral presentation at end of rotation
2. Attend OR cases assigned to you by chief gynecology resident unless assigned to clinic that day
3. Gynecology Outpatient clinic four half days/month
4. Each week, student will meet with an assigned clinical attending. During this time, can go over questions on assigned readings
   - Week 1: Discuss expectations, set up personal objectives for month
   - Week 2: H&P, Operative note, Postoperative Note, and Outpatient Note
   - Week 3: H&P, Operative note, Postoperative Note, and Outpatient note
   - Week 4: Oral Case presentation & Demonstrate One Handed and Two Handed Knots
5. Complete Passport
6. Complete Log Sheet regarding surgeries

Patient Encounters:

Evaluation:
Evaluation will be by the chief resident and gynecology faculty assigned to the team. Evaluation will be based on...as an integral part of the team will be assessed and emphasized. Completion of rotational procedure log will be required.

50% Attending/ Resident Evaluations
30% Case Presentation
20% Notes & Completion of Passport and Log
Syllabus:

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

Special Instructions:
Contact Dr. Jones at least one week in advance to set up the first day meeting to review expectations.

Students are allowed to miss one day without having to make the shift up. Students must notify the gynecology rotation attending leader prior to any missed days.

<table>
<thead>
<tr>
<th>Ob/Gyn</th>
<th>MDE 8168</th>
<th>LVH-M</th>
<th>Yr 4 Status</th>
<th>Tugbiyele, Folusho</th>
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Contact: Dr. Folusho Tugbiyele
Folusho_A.Tugbiyele@lvhn.org

Report to: Contact Dr. Tugbiyele at least one week in advance to set up the first day meeting to review expectations and meeting locations.

Description: This elective is intended for those students who wish to obtain additional background in urogynecology and urogynecologic surgery. Students will function as a sub-intern to gain skills, attitudes, and knowledge necessary to function as the primary physician and demonstrate critical aspects of caring for urogynecology patients.

Objectives:
1. Act as the primary provider (house officer): admit, develop management and diagnostic plans for the urogynecology patient and have plan for initial orders for assigned patients.
2. Follow up on patient’s status and develop new management and diagnostic plans for assigned urogynecology patients.
3. Be the assistant surgeon and/or participate in procedures as level of training allows.
4. Follow, round on, document upon, and present assigned patients on the urogynecology service during daily rounds.
5. Manage a sufficient number of patients as a sub-intern to gain skills, attitudes, and knowledge.
6. See patient in the ambulatory urogynecology office setting with faculty attendings when assigned.
7. Participate in and develop an understanding for the principles of pelvic reconstructive surgery and the use of robotics and synthetic adjuncts.
8. Research, prepare, and present a 15 minute power point oral presentation relating to a chosen urogynecology topic during the rotation.

Rotation Activities:
1. The student will work with the urogynecology team caring for patients on the wards, in the office, and in the OR. As acting intern the student will help manage patients. Participate as acting intern in all assigned pre-operative and post-operative care and procedures.
2. The student will participate in new consults and emergency room evaluations as acting intern and be responsible for all assigned inpatient and outpatient care on the service. The student will work with and check out to the OB/GYN resident assigned to urogynecology service.
3. The student will attend all conferences and lectures that the urogynecology resident is required to attend.
4. The student will be responsible for writing clinic and/or inpatient notes as assigned by urogynecology resident and/or faculty.
Patient Encounters:

Evaluation:

Written evaluation by the chief resident and urogynecology faculty assigned to the team. Evaluation will be based on clinical performance in the role as acting intern to include assessment of charting skills, the student’s ability and willingness to work as an integral part of the team will be assessed. Completion of rotational procedure log will be required.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

Students are allowed to miss one day without having to make the shift up. Students must notify the urogynecology rotation attending leader prior to any missed days.

Description:

The purpose of this rotation is to advance your knowledge in the area of Maternal Fetal Medicine. Below is the general list of areas that we hope to cover. If there is something else you would like to gain exposure to, please do not hesitate to discuss this with your preceptor.

Students will be expected to demonstrate a level of skill in patient care of both high risk obstetrical patients who are inpatient and those on the high risk obstetrical clinic. The student will participate and be expected to be an active member of the inpatient management of MFM patients including antepartum patients in PNU with obstetrical and medical complications and complicated patients on labor and delivery. The student will be responsible for all related administrative tasks under supervision of assigned faculty mentor.

Objectives:

1. Gain exposure and develop a comfort level with inpatient management of MFM patients including antepartum patients in PNU with obstetrical and medical complications and complicated patients on labor and delivery.
2. Develop an understanding of the management of patients in the high-risk obstetrical clinic.
3. Become familiar with principles of perinatal ultrasound and associated procedures including amniocentesis, chorionic villus sampling, and PUBs.

Contact:

Dr. Kara Coassolo
Kara_M.Coassolo@lvhn.org

Report to:

3900 Hamilton Blvd, Suite 201
Allentown, PA
Monday at 8:00 AM
4. Learn about both maternal and obstetrical complication during pregnancy

Rotation Coordinator 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.

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.

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.

Patient Encounters:

Evaluation:

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

Syllabus:

Visiting Students:
- Lehigh Valley Network on VSAS.

Special Instructions:

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Contact: Dr. Liany Diven
Liany_C.Diven@lvhn.org

Report to: Labor & Delivery, 3rd Floor, Jaindl
Lehigh Valley Hospital, Cedar Crest
Monday 7:00 AM

Description: The purpose of this rotation is to advance your knowledge in the area of inpatient obstetrics. Students will be expected to develop a level of skill in patient care of obstetrical patients comparable to an intern on the labor and delivery 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, including gathering pertinent history, performing physical examination, and making a management plan regarding admission or discharge
2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progress
3. Under supervision, perform vaginal deliveries and laceration repair
4. Participate in cesarean deliveries with level of participation at the discretion of the attending physician
5. Perform postpartum rounds with resident obstetrics team
6. May engage in antepartum teaching rounds

Rotation Activities:
1. Faculty will be responsible for the student’s orientation and completion of the evaluation although it is expected that 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.
2. 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
3. Students will have the opportunity and be expected to see an appropriate distribution of patients that correlates with their level of training and contribution to the care of these patients.
4. 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, and possibly resident education series.
Patient Encounters:

Evaluation:

Daily clinical observation from Inpatient Service

Daily oral feedback

End of period oral feedback

Written feedback

Resident assessment

Faculty 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

Ob/Gyn MDI 8162 Acting Internship in Gynecology

Acting Interns hip in Gynecology

Click here for additional course information

Contact:

Stephanie-Marie Jones

Stephanie-Ma._L.Jones@lvhn.org

Report to:

Lehigh Valley Hospital – 17th Street

Monday 7:00 AM

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

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

**Rotation Activities:**

1. Oral presentation at end of rotation
2. Attend OR cases assigned to you by chief gynecology resident unless assigned to clinic that day.
3. Gynecology Outpatient clinic four half days/month.
4. Each week, student will meet with an assigned clinical attending. During this time, can go over questions on assigned readings and notes that are due.
5. Weeknight call with gynecology resident.
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 of:*  

- 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:

Ob/Gyn      MEL 8420      TGH /MCAH     1-11     Yr 4     Status  2  0  40  4  Mayer, James  Clinical
Ob/Gyn Subspecialty Elective

Contact:
Mjmancao@health.usf.edu

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

Description: This elective is offered to introduce the fourth year medical students to 2 subspecialties within the field of Obstetrics and Gynecology. Students will be on scholarly concentration towards publication of a case report or on-going research in an Ob/Gyn subspecialty.
Objectives:
1. Provide an introduction and appreciation to an Ob/Gyn sub-specialty
2. Develop student independent interest and research in the sub-specialty
3. Provide the student with a clinical interactive opportunity with a sub-specialty attending

Subspecialties available in the following areas:
- GYN Oncology
- Female Pelvic Medicine & Reconstructive Surgery (FPMRS)
- Maternal Fetal Medicine
- REI (Reproductive Endocrinology & Infertility)
- Outpatient Generalist Ob/Gyn

Rotation Activities:
Students will report to the subspecialty divisions which they have chosen/ at that time the best clinical experience will be discussed with the division members to obtain the most clinically active insight into the 2-week subspecialty rotation.

Patient Encounters:
Evaluation:
The division director of each sub-specialty will be responsible for evaluating the student.

Syllabus:

Visiting Students:
No

Special Instructions:
Contact Melissa Mancao at least two weeks prior to the start of the rotation. The department will accept 2 students per month in periods 2,3,4,5,7,8,9,10. The desired specialty may not always be available, thus students must meet with Dr. David Rapkin prior to the rotation to determine the specific subspecialty.

Contact:
Dr. Christina Black
Christina_M.Black@lvhn.org

Report to:
Labor & 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 supervised physical exams, ...
2. In conjunction with residents and attending staff, perform ongoing assessment of intrapartum patients and manage their labor progress
3. Under supervision, perform vaginal deliveries and laceration repair
4. Participate in cesarean deliveries with level of participation at the discretion of the attending physician
5. Perform postpartum rounds with resident obstetrics team
6. May engage in antepartum teaching rounds

Rotation Activities:

Additionally, the acting intern on this rotation will participate in ambulatory ob/gyn clinic with a designated faculty.
1. Internship faculty will be responsible for the student’s orientation and completion of the evaluation process. It is ...
2. Acting Intern is expected to function as a member of the obstetrics team. The team consists of the resident staff (PGY3, PGY4), general ob/gyn attending physicians, MFM specialist, ED resident, third year medical students, CNM, and nurses.
3. Acting Intern is expected to follow and participate in the care of designated patients. S/he will be assigned 1-3 ...
4. Acting Intern will have the opportunity and be expected to see an appropriate distribution of patients that correlates with the appropriate resident and on-service attending, and contributing to management decisions of these patients.
5. Acting Interns will be expected to present a 15 minute talk during the last week of the rotation. This presentation should be on a topic of interest to the intern.
6. The acting intern will participate in ambulatory ob/gyn clinic in a general ob/gyn’s office. The day of the week may vary. Generally, the patient should primarily focus on preconception consults, antepartum obstetric care, and postpartum follow-up.
7. The acting intern is expected to complete/discuss four APGO obstetrics topics with a faculty member. These topics and questions are on the L&D in the LRC in a binder.
8. Acting intern will be expected to contribute to a medical student lecture to third year students. They are expected to contribute a 10-20 minute portion of the lecture. The topic will be decided upon with the student and 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.

Patient Encounters:

Evaluation:

Clinical Evaluations - 50%
Oral Final Exam - 25%
Oral Presentations - 10%
Obstetrical Passport - 5%
Written Notes - 5%
Oral Teaching Cases - 5%

Your Evaluation - The Specifics

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

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

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

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

- Written Notes - You are required to complete a H&P weekly. Also a written cesarean section (including the procedural steps) and 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 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:

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<th>Ob/Gyn</th>
<th>MEL 8421 Ob /Gyn Acting Internship</th>
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<td>TGH</td>
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Ob/Gyn Acting Internship is a month long concentrated clinical experience at Tampa General Hospital in the Bayshore Women's Pavilion. 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 b

3. Acknowledge and demonstrate responsibility and professionalism to patients, team and st.

4. Actively participate in all patient care directly or indirectly, attempting to meet patient care

5. Share knowledge, support, and compassion to patients, team, and staff

Contact: Melissa Mancao
mjmancao@health.usf.edu

Report to:
Tampa Center (STC)
6th Fl
Dr. James Mayer
Dr. David Rapkin

6. Reflect, study, read, and be prepared, demonstrating growth by the next shift
7. Ask for and appreciate constructive feedback
8. Have fun

Rotation will be supervised by USF Department of Ob/Gyn clinical faculty and residents.

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

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

Syllabus:

Visiting Students:

Special instructions:

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

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Contact: Dr. Holmstrom  
bjorn.holmstrom@moffitt.org  
(813) 745-4119

Report to: Contact Dr. Holmstrom prior to the start of the rotation for instructions on where to report.

Description: Students will rotate on the Internal and Hospital Medicine (IHM) Inpatient service at Moffitt Cancer Center. The student will gain exposure to a variety of inpatient and consultative services. There are additional opportunities to gain exposure to outpatient and consultative services also provided by the IHM program.

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:
Round on patients Monday through Friday at Moffitt Cancer Center

Patient Encounters:

Evaluation: Evaluation of the student will reflect the overall performance on the rotation including history and physical examination skills, constructing differential diagnosis and oral presentations by the attending physician.

Syllabus:

Visiting Students: No

Special Instructions: N/A
Description:
This elective is designed to introduce fourth year medical students to palliative care in an oncology setting. The course will cover the domains of palliative care and outline means to address each domain in seriously ill patients. Students will develop communication skills and techniques to break bad news and have meaningful advance care planning discussions.

Objectives:
1. Describe the domains of palliative care and outline means to address each domain in seriously ill patients (physical, psychiatric, social, spiritual, cultural, care of the imminently dying patient, and ethical and legal aspects of care)
2. Recognize how to effectively assess and manage complex symptoms including dyspnea, nausea, constipation, anxiety, depression, 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 and guide caregivers in their understanding
8. Distinguish the services of inpatient hospice versus home hospice and recognize which patients are appropriate for referral to each service
9. Recognize patients that would benefit from 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 inpatient and outpatient palliative care consultation service. They will practice giving 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 inpatient and outpatient palliative care consultation service. They will practice giving bad news, discuss advance care planning, and identify symptoms common at the end of life and manage them.

Syllabus:
Students will be evaluated based on clinical evaluations completed by the course director. 25% oral presentations, 75% clinical evaluations

Visiting Students:
Applying students will be evaluated based on clinical evaluations completed by the course director. 25% oral presentations, 75% clinical evaluations.

Contact:
Ritika Oberoi-Jassal, MD
Ritika.Oberoi-Jassal@moffitt.org
Management Assistant
Maria Isaza
Maria.Isaza@moffitt.org
(813) 745-6853
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.

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<td>2,4</td>
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Contact: Michael Poch
Michael.Poch@Moffitt.org

Report to: Contact Dr. Poch prior to the start of the rotation for instructions on where to report.

Description:
This elective is designed to introduce senior students to the practice of Genitourinary (GU) Oncology. Under the supervision of Dr. Poch, students participating in a 4-week rotation 1 week will be spent 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 minute presentation)

Rotation Activities:
Clinical Activities – GU Oncology Clinic – Surgery/Medical Oncology, Pathology, Operative Experience

Patient Encounters:

Evaluation:
1. Medical Knowledge and Practice Based Learning - Does the medical student apply knowledge to clinical situations?
2. Patient Care - Does the medical student actively participate in patient care?
3. Professionalism - Does the medical student act professionally (arrive on time, well groomed, act appropriately)?
4. Communication - Does the medical student communicate effectively with attending staff, residents, fellows, nurses, and patients?
Syllabus:

Visiting Students: No

Special Instructions: N/A

Contact: Dr. Jacques Fontaine
Jacques.Fontaine@moffitt.org

Report to: Nancy Niles
(813) 745-7640

Description: This elective is designed to provide exposure to the presentation, evaluation and treatment of patients with lung and extrathoracic malignancies. From a didactic standpoint the student will join the surgical team in conference and multidisciplinary tumor boards.

Objectives:

1. Conduct independently (but under supervision) an efficient consultation of a patient presenting to clinic with a thoracic malignancy
2. Present in a concise, reliable and organized manner patient data during rounds, in tumor board and in clinic
3. Interpret basic Chest X-ray and Chest CT Scan images and findings
4. Demonstrate solid knowledge of chest anatomy and cardio-pulmonary physiology
5. Demonstrate proficiency in the following technical skills: bronchoscopy, sub-cuticular stitching, flawless knot-tying, basic thoracoscopy, basic robotic maneuvers, insertion/removal of chest tubes

Rotation Activities:

Participation in the operating room and seeing patients in clinic

Patient Encounters:

Evaluation: The student will be evaluated by the course director at the end of the elective, based on clinical evaluations completed by the student's attending physicians and the student's performance during rounds, in tumor board and in clinic. The student will be expected to complete an oral presentation of a topic of interest by the 4th week of their rotation. Grades are determined by: 75% clinical evaluations and 25% oral presentation.
Visiting Students: No
Special Instructions: N/A

Oncologic Sciences
MDE 8646 Head and Neck Oncology

Contact: Dr. Kristen J. Otto
Kristen.Otto@Moffitt.org
Leanne Vorasse, Management Assistant
(813) 745-2675

Faculty include: Kristen J. Otto, MD (course director), Jimmy J. Caudell, MD, PhD (Radiation Oncology), and Janaki Parameswaran, 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. 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

MCC 1-11 None 1 0 40 2,4 Otto, Kristen Clinical
On- 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:** Students 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:**

**Special Instructions:**

---

**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, Pediatric, and Neurosurgery. The rotation will consist of 2 days of Oncologic Sciences (Oncologic Sciences, Oncologic Sciences, Oncologic Sciences), 2 days of Surgery (Surgery, Surgery, Surgery), 2 days of Medical Oncology (Medical Oncology, Medical Oncology, Medical Oncology), and 2 days of Radiation Oncology (Radiation Oncology, Radiation Oncology, Radiation Oncology). Students will participate in 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

---

**Contact:**

**Dr. John Kiluk**

**John.Kiluk@moffitt.org**

Report to: Email 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 provide an opportunity to learn about the role of the surgeon in the care of cancer patients, how to manage various aspects of patient care, and how to work in a multidisciplinary team environment. Students will have the opportunity to observe and participate in various aspects of patient care including: outpatient clinics, operative procedures, inpatient rounds, and tumor boards.

---

**Oncologic Sciences** | **MEL 8831 Surgical Oncology**
---|---
1 - 11 Yr 4 Status | 10 0 80 2,4 Kiluk, John Clinical
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 by the attending surgeons that the student worked with. The course will be designed to be satisfactory or unsatisfactory.

Syllabus:

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

Special Instructions: Prior Approval Required: Students interested in a Surgical Oncology elective at Moffitt need to contact John Kiluk to arrange their rotation. The availability of the elective may be dependent on availability of faculty that can be influenced by national meetings and vacations.

Description: The objective of this elective is to provide the student with a basic understanding of the principles of medical oncology and hematologic sciences. The student will be evaluated on the basis of the adequacy of patient evaluation and case presentations.

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

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue and spleen
2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of a wide variety 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

Contact: Lorie Jennings
Lorie.Jennings@moffitt.org
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.

Oncologic Sciences
MEL 8308 Ambulatory Hematology-Oncology

MCC 1 - 11 Adult Med, Pri Care

Clinical
**Rotation Activities:**
- Noon Lectures
- Tumor Boards

**Patient Encounters:**
- **Students** will receive an evaluation by their preceptor.

**Syllabus:**

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

**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</th>
<th>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:**
- Lorie Jennings
  
  Lorie.Jennings@moffitt.org
  
  Dr. Michael Jaglal
  
  mjaglal@health.usf.edu

**Report to:**
Report to Dr. Jaglal prior to the start of the rotation for instructions on where to report.

**Description:** The objective of this elective is to attain a solid understanding of the pathophysiology, clinical features, etiology, epidemiology, natural history, diagnosis, staging, and management of a wide variety of neoplastic and hematologic disorders.

**Objectives:**

1. Morphology, physiology, and biochemistry of blood, bone marrow, lymphatic tissue and spleen.

2. Etiology, epidemiology, natural history, diagnosis, pathology, staging and management of neoplastic and hematologic disorders.

4. Assessment of tumor imaging by CT, MRI and nuclear imaging techniques
5. Multiagent chemotherapy protocols and combined modality therapies
6. Management of neutropenia and immunocompromised patients

Rotation Activities:
- Rotate on inpatient hematology team at Moffitt Cancer Center

Patient Encounters:
- At least 20

Evaluation:
- Evaluation by attending on inpatient hematology

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

Special Instructions:
- Please contact Lorie Jennings and Dr. Michael Jaglal at least two months prior to the rotation.

Description:
Bone Marrow Transplant Infectious Disease (BMT ID) rotation is conducted at Moffitt Cancer Center. The BMT ID service is a unique opportunity for residents to gain experience in the care of patients undergoing hematopoietic stem cell transplantation, with a particular focus on infectious complications. The rotation involves inpatient care, consultations, and dedicated infectious disease conferences. Residents will work closely with the Infectious Diseases service at the James A. Haley VA Medical Center.

Objectives:
1. Provide fundamental information that allows for the assessment and treatment of an infectious disease

Contact:
Dr. Aliyah Baluch
Aliyah.Baluch@moffitt.org
Nichol Bonaparte
Management Assistant, Infectious Diseases
Nichol.Bonaparte@moffitt.org

Report to:
Dr. Baluch prior to the start of the rotation for instructions on where to report.
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, ID trained nurse, and other ID residents. In addition, microbiology rounds is also required. Additional research projects are available on request during the rotation.

Patient Encounters:
Evaluation: Midway through the elective, there will be an informal evaluation process to allow the student to get early feedback as to the progress he/she is making. The student’s learning will be evaluated through a combination of the presentation given back on the process of presentation skills and formulation of a good differential diagnosis from an ID perspective.

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

Special Instructions: N/A

<table>
<thead>
<tr>
<th>Oncologic Sciences</th>
<th>MEL 8366 Adult Bone Marrow Transplant</th>
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<tbody>
<tr>
<td>MCC 1 - 11</td>
<td>Adult Med, Pri Care</td>
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<tr>
<td>1 0 44 2,4</td>
<td>Clinical Nieder, Michael</td>
</tr>
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Contact:
Barbara Crawford
Barbara.Crawford@moffitt.org
(813) 745-8634
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. Patients will be undergoing active follow-up and patients will be undergoing outpatient transplant and outpatient cellular therapy. Some students may wish to spend time on the Inpatient BMT or Cellular Therapy setting. In this setting, the student will observe the implementation of the patient's care while in the hospital and understands how antimicrobial usage can affect it.
Objectives:

1. Have an understanding of the process of bone marrow transplantation and cellular immunotherapy.
2. Identify the different types of transplantation (syngeneic, allogeneic, and autologous) and their implications.
3. Identify common problems related to cellular immunotherapy & marrow transplantation such as cytopenias, infectious complications, graft-versus-host disease, and Cytokine Release Syndrome; as well as outline current medical means to support patients until marrow and immune recovery.

Rotation Activities:

- Actively participate in the evaluation and care of patients in the Outpatient BMT CI Clinics and Treatment Center.
- Optional Inpatient care is available for those students who wish to rotate.

Patient Encounters:

- No written test; Attending physicians will provide feedback.

Syllabus:

Additional course information can be found here.

Visiting Students:

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

Special Instructions:

- N/A

Description:

The Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of radiation oncology cases. Medical Students will participate in all aspects of Radiation Oncology including clinical treatment planning, treatment delivery, medical physics, dosimetry, simulation, and port film evaluation.

Contact:

Angie Courtney
Angie.Courtney@moffitt.org

Report to:

Angie Courtney
Angie.courtney@moffitt.org
MCC 4135
(813) 745-8535

Clinical Department of Radiation Oncology, Moffitt Cancer Center, provides comprehensive, patient-oriented care for all types of radiation oncology cases. Medical Students will participate in all aspects of Radiation Oncology including clinical treatment planning, treatment delivery, medical physics, dosimetry, simulation, and port film evaluation.
2. Students will understand the natural history of cancers, the role of radiation therapy in the treatment of cancer, radiation safety, multidisciplinary patient care, specialized treatment procedures, clinic structure and supportive care.

3. Students will learn how to conduct a thorough history and physical examination and how to examine patients to assess tumor response and progression.

4. To enhance the clinical experience and further knowledge, students will be required to do:
   - Read at least 10 pertinent articles from the medical literature
   - Attend all departmental conferences and multidisciplinary conferences with the preceptors
   - Participate in simulations, procedures, follow-ups, on treatment visits and treatment planning.
   - Present a 15 minute PowerPoint talk on a topic defined with the assistance of the faculty preceptor.

Patient Encounters:

At the completion of the elective, training faculty and students will complete performance evaluations.

Syllabus:

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

Special Instructions:

Oncologic Sciences
- MEL 7320G Externship - Radiation Oncology

Oncologic Sciences
- MEL 9999G Independent Study - Radiation Oncology

Ophthalmology
- MEL 8501 Medical Ophthalmology

Click here for additional information.
Course Information

Contact: Joann Leto
jleto@health.usf.edu

Report to: USF Eye Institute

First day of rotation

Description: This course teaches the ophthalmic signs and symptoms of systemic medical disease through lectures and patient encounters. 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

Patient Encounters:

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

1. Clinical History taking and examination will be evaluated by the attendings and a weekly feedback will be given.
2. Students will get weekly assessments of their performance.
3. Students will also get feedback and final assessment at the end of the rotation.

Syllabus:

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

Special Instructions: N/A

Ophthalmology (MEL 8501)

LVHN 1 - 11 Yr 4 Status 1 0 44 2,4 Saad, Christine

Clinical

Contact: Robert Thompson, Practice Manager

Click here for additional course information.
LVPG Ophthalmology

Robert.Thompson@lvhn.org

(610) 969-2343

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

Description: Students will rotate through an outpatient ophthalmic office and will be exposed to general ophthalmic office procedures and exposure to some ophthalmic conditions. Students will learn how to perform basic eye exams, including slit lamp exam, direct and indirect ophthalmoscopy, and treat primary ophthalmic conditions including dry eye syndrome, cataract, glaucoma, and macular degeneration.

Objectives:

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

Rotation Activities:

Outpatient care of patients with attention to basic exam components and equipment

Patient Encounters:

Outpatient

Evaluation:

Clinical

Syllabus:

Visiting Students:

No

Special Instructions:

Prior Approval is Required.

Contact:

Joann Leto
jleto@health.usf.edu

Ophthalmology MEL 8506 Cornea / External Disease

USF MS 1 - 11 Status 1
(Year 4); 9 - 11 (Year 3) 0 44 2,4

España, Edgar Clinical
Report to: USF Eye Institute

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 the eye clinic and surgery. They are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

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

Rotation Activities: ATTENDANCE AT 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.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Contact: Joann Leto
jleto@health.usf.edu

Report to: USF Eye Institute

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 the eye clinic and surgery. They are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

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

Rotation Activities: ATTENDANCE AT 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.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Contact: Joann Leto
jleto@health.usf.edu
Rotation Activities:
Attendance in clinic and surgeries

Patient Encounters:

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

1. Clinical History taking and examination will be evaluated by the attendings and a weekly 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

<table>
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<tr>
<th>Ophthalm</th>
<th>MEL 8507 Retinal Elective</th>
<th>LVHN 1 - 11 Yr 4 Status 1 0 44-70 2,4 Kazaya, Masayuki</th>
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</tr>
</thead>
</table>

Contact:
Dr. 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, and retinal detachments. They are required to present and discuss a patient they have evaluated during the course at the departmental case conference.

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

Rotation Activities:

Evaluation of patients with retinal pathophysiology

Patient Encounters:

Evaluation will be determined by daily performance observed during the 4-week elective period.

Syllabus:

Visiting Students:

Special Instructions:

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**Ophthalmology**

MEL 8509

Glaucoma

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

Yr 4 Status 1 0 40 2,4 Gamell, Lisa

Clinical

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Contact: Joann Leto

jleto@health.usf.edu

USF Eye Institute

First day of rotation

Description: This course is designed for students interested in ophthalmology as a career. Glaucoma is one of the most common clinical entities that clinical ophthalmologists encounter. The elective will include instruction on the management of the disease, such as using general ophthalmic equipment to perform gonioscopy, and will culminate in a case conference presentation.

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

Rotation Activities: Attendance in clinics and surgeries

Patient Encounters: 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.
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:

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<th>Syllabus</th>
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<td>MDT 8600C Intro to Orthopaedic Peds</td>
<td>ACH</td>
<td>1 - 11</td>
<td>None, Yr 3 only</td>
<td>2</td>
<td>0</td>
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</tbody>
</table>

Contact: Nicole Rives
nrives@health.usf.edu

Report to: St. Pete Location
Bayboro Office Building
625 6th Avenue South, Suite 450
St. Petersburg, FL 33701
727-898-BONE (2663)

Located directly across the street from Bayfront Medical Center Emergency Room. If you will th Street. Our building is on the right hand side, north of Bayfront Hospital and west of the new
Attendings:

Paul Benfanti, MD – Site Director
Scott W. Beck, MD
Jeff B. Neustadt, MD
Gregory V. Hahn, MD
Drew Warnick, MD
Debi Mitchell – Office Coordinator

Description:

This elective is designed to introduce 3rd year medical students to the subspecialty of pediatric orthopaedic surgery. The student will gain knowledge and exposure to acute and chronic conditions including fractures, congenital anomalies, and other pediatric orthopaedic injuries. The student will participate in clinics and surgery, as well as didactic sessions and case reviews.

Rotation Activities:

Daily rounding, dressing changes, seeing consults, assisting in fracture reduction and splinting, and other patient care activities.

Patient Encounters:

Evaluation:

Upon completion of this elective, the student should have a basic understanding of the recognition and management of orthopaedic conditions in children, adolescents, and young adults. A written evaluation by Dr. Benfanti is required.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

Ortho 8600C Intro to Orthopaedic Peds

Program Director: Nicole Rives
nrives@health.usf.edu

Contact:

Report to: Shriners Hospital for Children
12502 USF Pine Drive
Tampa, FL 33612
(813) 975-7117 - Office
(813) 975-7129 - Fax
Located on USF Main Campus

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

Description:
This elective is designed to introduce 3rd year medical students to the subspecialty of pediatric orthopaedic surgery. It will expose students to the care of children with orthopaedic problems and assist in understanding the diagnosis and management of musculoskeletal injuries in children. This elective will provide the student with an understanding of the care of children with neuromusculoskeletal disorders in a multi-disciplinary, patient and family centered environment.

Objectives:
Students will gain knowledge and exposure to a wide variety of acute and chronic conditions and the full spectrum of care of pediatric orthopaedic patients. The student will participate in clinics and surgery, as well as didactic sessions and case reviews.

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

Patient Encounters:
Evaluation:
Upon completion of this elective, the student should have a basic understanding of the recognition and management of orthopaedic trauma and musculoskeletal problems in children. The student will complete a case write-up and critical reflection of what they have learned during the rotation. This write-up will be evaluated by Dr. Maciel.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A

<table>
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<tr>
<th>Ortho</th>
<th>MDT 8600D Intro to Orthopaedic Trauma</th>
<th>TGH</th>
<th>1, 9-11</th>
<th>None, Yr 3 only</th>
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<th>2</th>
<th>Mir, Hassan</th>
<th>Clinical</th>
</tr>
</thead>
</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 also have the opportunity to work with the faculty and residents of the Department of Orthopaedics.

Objectives:
1. Evaluate patients with traumatic musculoskeletal injuries
2. Observe the reattachment of severed limbs or digits
3. Observe the repair of traumatic upper/lower extremity fractures
4. Learn the principles of fracture reduction and cast application

Rotation Activities:
- Daily rounding, dressing changes, seeing consults, assisting in fracture reduction and splinting
- Patient Encounters:
  - Evaluation: The student will see patients at Tampa General Hospital on the in-patient wards, intensive care unit, and emergency department. Students will participate in twice-weekly sub-specialty fracture conferences during their elective rotation.

Upon completion of this elective, the student should understand the principals of orthopaedic trauma management. The student will be evaluated by the trauma attending, H. Claude Sagi at the end of the elective.

Syllabus:
- Visiting Students: No
- Special Instructions: Any interested student MUST email Ann Joyce prior to the elective to receive TGH instructions at least 60 days in advance of the elective.

<table>
<thead>
<tr>
<th>Ortho</th>
<th>MEL 8823 Orthopaedics Acting Internship</th>
<th>MOR / TGH / VA</th>
<th>1 - 11</th>
<th>Yr 4 Status</th>
<th>4</th>
<th>0</th>
<th>40-70</th>
<th>4</th>
<th>Mir, Hassan</th>
<th>Clinical</th>
</tr>
</thead>
</table>

Contact: Nicole Rives  
nrives@health.usf.edu

Report to: will be provided one week prior to the start of the rotation.
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 complete weekly patient interactions, receive instruction from faculty and residents, and perform patient history and physical examinations under supervision. Students will also have the opportunity to work with orthopedic residents and faculty on a case-by-case basis

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

Syllabus:

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

Special Instructions:
N/A
Description:

This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology and should be... and will follow them upon their admission to the hospital. They will assist at the operative procedure and will observe the postoperative results in patients who have previously been treated for otolaryngological problems.

Students will also participate in specialty conferences during their elective rotation.

Objectives:

The objective is to provide greater exposure to the field of otolaryngology than what is possible in the basic surgical curriculum. This will provide 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 management of otolaryngology cases including... 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 decision making, interpersonal skills, teamwork, communication with patients and families, and subjective elements of interpersonal relationships, motivation, and ability.

Syllabus:

Visiting Students:

Yes.

Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:

N/A
Report to: To be determined prior to start of rotation

Description: This clinical preceptorship is designed to provide an in-depth experience in the practice of otolaryngology and should be followed by the clinical experience of the resident. The rotation will last for 8 weeks and will follow them upon their admission to the hospital. They will assist at the operative procedures on selected ENT patients and will follow treatment from the time of admission to discharge. Trainees will also participate in specialty conferences during their elective rotation.

Objectives:
The objective is to provide greater exposure to the field of otolaryngology than what is possible in the basic surgical curriculum. The student will be given the opportunity to learn about modern diagnosis and management of head and neck cancer, maxillofacial trauma, epistaxis, hoarseness, and dysphasia. The rotation will last for 8 weeks.

Rotation Activities:
By the completion of the elective, all students will be able to demonstrate proficiency in the otolaryngological head and neck examination. They will be able to perform basic diagnostic maneuvers such as palpation, auscultation, and simple airway maneuvers. They will also be able to perform basic operative procedures such as tonsillectomy, adenoidectomy, and ear tube insertion.

Patient Encounters:
Evaluation:
The formal evaluation will be prepared by otolaryngology faculty based on the following: fund of medical knowledge, professionalism, ability to work well with others, ability to work independently, ability to think critically, ability to provide patient care in a variety of settings, and rapport with patients and families. Subjective elements of interpersonal relationships, motivation, and ability will also be evaluated.

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

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...
5. Identify major histologic abnormalities in different organ systems

Rotation Activities: observation of tissue processing in the grossing room; attendance of autopsies.

Patient Encounters:

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

Syllabus:

Visiting Students: on VSAS.

Special Instructions:

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<th>Path</th>
<th>BMS 7663 Anatomic Pathology</th>
<th>TGH</th>
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<th>24</th>
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</tr>
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</table>
Contact: Michelle Burnham
mburnham@health.usf.edu

Report to: TGH: B232
8:00 AM on the first scheduled day

Description: The objective of this course is to strengthen the students in areas of anatomic pathology relevant to the practice of medicine. The course will include laboratory sessions. Particular attention will be given to correlation between clinical information and pathologic findings.

Objectives:
1. Describe the limitations and benefits of a frozen section
2. Analyze the role of the pathologist in different professional activities
3. Analyze important features, including pertinent molecular aspects of select cases encountered
4. Demonstrate appropriate handling and processing of a tissue specimen from its receipt in the Pathology gross room until its status as a finished product on a glass slide
5. Identify major histologic abnormalities in different organ systems

Rotation Activities:
Students will observe and participate in the daily activities in Anatomic Pathology, including Forensic Pathology. Students will observe Autopsy and be involved in autopsies. Participation in conferences will be encouraged. The role of the pathologist as consultant and educator will be demonstrated.

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
Contact: Michelle Burnham
mburnham@health.usf.edu

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

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

Objectives:
1. Analyze the role of the pathologist in different professional activities (to focus on anatomic pathology).
2. Analyze important features of selected cases and the interplay with other areas of pathology.
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide.
4. Identify major histologic abnormalities in different organ systems.
5. Describe the limitations and benefits of frozen section.

Rotation Activities:
Students will observe and participate in the daily activities in Anatomic Pathology, including, but not limited to:
- Autopsy
- Practical tissue processing
- Surgical resection specimen processing
- Conference participation
- Medical student conferences 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.

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) 972-2000 x2139 or x7525 as soon as possible, but no later than 2 weeks prior to the start of the rotation to complete all VA certification requirements.

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Click here for additional course information.
Description: Rotations in gross/FS (2-3 days), Cytopathology (2 days) and other fields of pathology subspecialties (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.

Rotation Activities:

Gross & Frozen Section Pathology

In the initial few days, students are stationed in the frozen section room where they shadow and learn from the residents. They will assist in the examination and appropriate sectioning of a variety of simple to complex specimens for processing and final diagnosis.

Systemic Pathology

This portion of the elective involves the process diagnosis of tissue prepared during gross examination and sectioned on the monthly assignment schedule for the Pathology Residents and is distributed at the beginning of the rotation.

Cytopathology (Sign out & Intra-Operative Evaluation)

During this assignment, students shadow the resident(s) and Fellow on the cytology service, gain experience in diagnostic sign out, and learn about processing and diagnosis of intraoperative imprint cytology for sentinel lymph nodes.

Autopsy Pathology

On this service, the student accompanies the resident(s) to the autopsy suite when there is a post mortem examination to be performed and assists as needed.

Patient Encounters:

N/A

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:

Path BMS 7664 T-VAH 1, 3-11 None 1 0 44 2,4
Flexible Elective in 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

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

Objectives:
1. Analyze the role of the pathologist in different professional activities (including anatomic pathology and clinical pathology)
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Demonstrate appropriate handling and processing of a tissue specimen from receipt within 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. The pathologist as consultant and educator will be demonstrated. The daily activities may vary depending on availability.

Patient Encounters: None

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

Syllabus:

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

Special Instructions: Contact the Pathology & Laboratory Medicine Service secretary (813) 972-20
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 abnormal cells and the role of cytopathologists in diagnostic medicine. Students will work with pathologists, cytotechnologists, and cytoexpress as they prepare cytologic specimens. There may be opportunities to observe procedures as well.

Objectives:
1. Analyze the role of the cytopathologist in different professional activities
2. Analyze important features of selected cases and the interplay with other areas of pathology
3. Understand the common specimen types and processes utilized in cytopathology
4. Demonstrate appropriate handling and processing of a tissue specimen from receipt within the pathology gross room until its status as a finished product on a glass slide.

Rotation Activities:
Students will review selected cytologic specimens during regular “sign out” sessions. The student will observe the daily work of the cytopathologist as they prepare cytologic specimens and the common practices and procedures utilized in cytopathology. There may be opportunities to observe procedures as well.

Patient Encounters:

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: Contact the Pathology & Laboratory Medicine Service secretaries (813) 972-20

Path | BMS 7666 Clinical Cytology | MCC 1, 4-11 | Yr 4 Status | 1 | 0 | 44 | 2,4 | Hakam, Ardeshir
---|---|---|---|---|---|---|---|---

Click here for additional course information
Contact:
Dr. Ardeshir Hakam
Ardeshir.Hakam@moffitt.org
(813) 745-1874

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

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

Objectives:
The objective of this course is to introduce the students to the principles used by the cytopathologist to recognize diagnostic cytopathological patterns.

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

Gross & Frozen Section Pathology
In the initial 2-3 days, students are stationed in the frozen section room where they shadow and learn from the pathologists as they prepare cytologic specimens. There may be opportunities to observe procedures as well.

Cytology preparation
Students will be rotating in the cytology preparation laboratory where they learn about the technical process involved in preparing cytologic specimens from body fluids, including urine and pleural fluids among others, routine staining used for each and cell block preparation.

Cytopathology (Sign out & Intra-Operative Evaluation)
During this assignment, students shadow the resident(s) and Fellow on the cytology service, and sign out with the cytopathologist. They also participate in intraoperative imprint cytology slide preparation and diagnosis of sentinel lymph nodes.

Patient Encounters:
Minimal (FNA)

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

Syllabus:

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

Special Instructions:
Clearance from USF/Moffitt prior to start of rotation

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</table>
**Elective in Laboratory Medicine**

[Click here for additional course information]

**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 interpretive laboratory procedures in the field of medicine. Current economic emphasis places even greater importance on the proper use of the laboratory by the physician.

**Objectives:**

1. Analyze the role of the clinical pathologist in different professional activities.

2. Analyze important features of selected cases and the interplay with other areas of pathology.

3. Become familiar with the processes and procedures utilized in various areas of clinical pathology.

**Rotation Activities:** The student will participate under supervision in several areas of the clinical laboratory of his/her choice such as clinical chemistry, hematology, microbiology, and others as may be available. The student will be expected to attend pathology conferences.

**Patient Encounters:**

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

**Syllabus:**

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

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

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<th>Path</th>
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</table>
**Contact:** Michelle Burnham  
mburnham@health.usf.edu

**Report to:** Hillsborough County Medical Examiner, Main Entrance  
8:00 AM on the first scheduled day

**Description:** The rotation consists of daily exposure to and participation in, forensic autopsies conducted by staff forensic pathologists and if applicable, observe courtroom testimony by staff forensic pathologists.

**Objectives:**
1. Learn to correlate autopsy findings with clinical information and information derived from scene investigations.
2. Learn to complete death certificates in a manner acceptable to the Office of Vital Statistics.
3. Learn anatomy pertinent to the future clinical practice specialty of the student.
4. Gain an understanding of the working relationships between forensic pathologists and other professionals including law enforcement personnel, medical examiners, coroners, the Office of the State Attorney, the defense bar, the funeral industry, the press, and other medical specialties.

**Rotation Activities:**
1. Assist with autopsies on the bodies of persons dead from suicide, accident, and natural disease by performing dissections and medical chart review under the supervision of staff pathologists.
2. Review pertinent medical literature for selected cases.
3. Accompany staff during testimony under oath at criminal and civil trials and at depositions.
4. Accompany staff during death scene investigations (evening and night call-out optional).
5. Participate in departmental conferences. These comprise a working case conference thrice weekly, a pending 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 the forensic fellow.

**Syllabus:**

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

**Special Instructions:** Prior approval required.
Contact:
Michelle Burnham
mburnham@health.usf.edu

Report to: 1D-171 (Resident’s room)
8:00 AM on the first scheduled day

Description:
The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator.

Objectives:
The primary objectives of this course are to teach the basic principles of investigative work with emphasis on:

1. Formulation of a specific hypothesis
2. Critical analysis of pertinent literature
3. Development of an appropriate experimental design to test the hypothesis
4. Appreciation of methodological limitations and pitfalls
5. Analysis and interpretation of experimental data

Rotation Activities:
The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator. Specific activities will vary and are dependent upon the agreed upon research project.

Patient Encounters:

Evaluating the student’s interest, initiative, and progress through daily interactions and at weekly research conferences.

Evaluating the student’s problem solving ability and diligence in the performance of realistic 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:

Students should contact the Pathology & Laboratory Medicine Service secretary (813) 972-20 Table 5 (813) 972-20 Table 5 x2139 or x7525 as soon as possible. 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

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 who have completed the core course and wish to further develop their research skills.

Objectives:
The primary objectives of this course are to teach the basic principles of investigative work with emphasis on:

1. Formulation of a specific hypothesis
2. Critical analysis of pertinent literature
3. Development of an appropriate experimental design to test the hypothesis
4. Appreciation of methodological limitations and pitfalls
5. Analysis and interpretation of experimental data

Rotation Activities:
The student will conduct investigative work in human or experimental pathology under the supervision of the senior investigator. These studies will use primarily morphologic and molecular techniques as well as animal models.

Patient Encounters:

Evaluation:

1. Monitoring the student’s interest, initiative, and progress through daily interactions and at weekly research conferences
2. Evaluating the student’s problem solving ability and diligence in the performance of realistic research assignments
3. Evaluating the student’s judgment and critical approach in assigned library work as well as in analyzing and interpreting experimental data

MCC 1-6, 8-11 None 1 0 44 4 Messina, Jane
4. The staff pathologists will evaluate the student using a standardized student evaluation form.

**Syllabus:**

**Visiting Students:**

Special instructions and duration of course must be arranged with the course director and a faculty member.

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- Click here for additional course information

**Contact:**

Kate Adams
Katherine.Adams@lvhn.org
(610) 402-7712

**Report to:**

On the first day after Pediatrics Morning Report, call Gabrielle Alvira, CAC Office Coordinator, at (484) 633-0935. She will direct you to the Child Abuse & Neglect Worker – either on the Inpatient Pediatric Unit at the Cedar Crest campus or at the Child Advocacy Center at the 17th & Chew campus - 6th Floor (directly off the Green Elevators).

**Description:**
This elective is designed to provide a basic structure of child abuse pediatrics as a specialty through comprehensive evaluations at the Child Advocacy Center. The majority of time will be spent at the CAC at LVHN, 17th & Chew, 6th Floor (directly off the Green Elevators).

Objectives:
1. State the elements of a history and physical that are critical when non accidental trauma is suspected.
2. Participate in the medical evaluation of alleged abuse in children and explain the role of the multidisciplinary team.
3. Recognize various conditions and injuries that require specialty child protection team evaluation.
4. Recognize various conditions and injuries that initially appear to be related to abuse but have a medical or reasonable accidental explanation.
5. Outline when and how to report suspected child abuse.
6. Discuss what the legal and child welfare systems need from pediatricians in the community.
7. Understand the other specialties such as radiology, ophthalmology, neurosurgery, trauma.
8. Describe community-based partners such as CYS, Law Enforcement, District Attorney’s office.
9. Recognize the role of the Child Advocacy Center and Child Protection Team in the evaluation process.

Rotation Activities:
Students will see patients at the medical center at LVHN, and, when available, different court cases. Students will have the opportunity to participate in the medical evaluation of alleged abuse in children and explain the role of the multidisciplinary team. Students will also participate in community-based partners such as CYS, Law Enforcement, District Attorney’s office.

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

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

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<th>Shulman, Dorothy</th>
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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
ACH GME Dept (727) 767-4106

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

Description: This course offers the student in-depth exposure to a wide variety of endocrine related problems 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 attend regularly scheduled research conferences and clinical conferences.

Rotation Activities: Students will have the opportunity to see and provide care for children with disorders including pituitary, thyroid, bone/mineral, adrenal, growth, puberty, gonad and sexual differentiation, and diabetes.

Patient Encounters: Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students: No

Special Instructions: N/A

Peds MDE 8430
Pediatric Endocrinology

LVH-CC 1 - 11 Yr 4 Status 1 0 40 4 Kashmer, Laurissa Clinical

Contact: Katherine.adams@lvhn.org
(610) 402-7712

Description: This elective will provide medical students with an in-depth exposure to the diagnoses and management of acute and chronic endocrine disorders. Students will work closely with pediatric endocrinologists to learn the principles of care and develop skills in working within a multidisciplinary team such as with diabetes educators, nutritionists, social workers and counselors.

Objectives:
1. Differentiate between normal and pathological states related to endocrinology
2. Evaluate and manage patients with presenting signs and symptoms that suggest an endocrine disorder
3. Demonstrate principles of growth and pubertal development important to the general pediatrician
4. Understand the role of the Endocrinologist and primary care provider in preventing and managing endocrine diseases
5. Collaborate and effectively communicate with both general and specialist Pediatricians in the management of patients with acute and chronic endocrine illnesses
6. Effectively communicate with patients and families about endocrine conditions, including the interpretation of test results

Rotation Activities:
Students will see patients in the specialty center. They will have direct contact as well as observe and participate in patient care. They will also be scheduled to make a presentation at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:
Evaluation and timely feedback will be given to students by Endocrinologists. The evaluation will be completed by Dr. Kashmer with input from Drs. Kuryan and Chacko and office clinical staff.

Syllabus:

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

Special Instructions: N/A

Contact:
Dr. Gieron
mgieron@health.usf.edu

Dr. Nallu
snallu@health.usf.edu

<table>
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<th>Peds</th>
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<th>TGH 1 - 11</th>
<th>Adult Med, Pri Care, or Matern Newborn</th>
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Description
This elective is designed to introduce students to the field of child neurology. Under the supervision of clinical faculty, students will learn how to take a neurological history with an emphasis on the skills of talking and listening. They will perform an age-appropriate neurological examination and differentiate between normal and abnormal findings. Students will learn how to use abnormal findings to localize the problem within either the central or peripheral nervous system. They will also learn how to use the history and neurological examination to determine the nature of a pathology and how to use neurodiagnostic studies such as electroencephalogram, electromyography, and computerized brain tomography to enhance their understanding. Students will diagnose and understand the pathophysiology of, and know how to manage common neurological conditions of infants and children. They will 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
Students will be evaluated by the preceptor using the following methods:

- Clinical evaluation with same day feedback
- Written (24 questions) examination at the end of rotation
- Oral presentation of a topic of interest

Grades are determined by: 50% clinical evaluation, 25% written examination, and 25% oral presentation.

Syllabus:

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

Special Instructions:
Transportation may be needed for travel between hospitals and clinics.

| Peds | MDE 8470 | LVH-CC | 1 - 11 | Yr 4 Status | 1 | 0 | 40 | 4 | Sheikh, Muham med | Clinical |
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 follow patients with one of three pediatric neurologists in the clinic setting each day.
2. Student will also join pediatric neurologists when consulting on the Inpatient Pediatric Unit.
3. Towards the end of the elective, student will present a case of interest to the pediatric neurologists.
4. 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.
5. Student should attend Pediatric Grand Rounds on Tuesday mornings at 8:00 am at the Cedar Crest site.

Patient Encounters:

Evaluation: Performance during the rotation will be assessed by supervising faculty with input from members of the clinical team. There will not be a written exam but written work will be assessed as part of your clinical performance.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

Peds LVHN 1 - 11 1 0 40 2 Clinical
Contact:
Katherine.adams@lvhn.org
(610) 402-7712

Report to:
On the first day of rotation (providing it is a Monday), at 7:30 am call the sedation doctor ASCOM phone at 610-402-0806 to find out where and what time to meet on the first day.

Arrive 30 minutes before scheduled start time of each sedation.

If no scheduled morning sedation, student is to attend Pediatrics Morning Report on Mondays and Thursdays and Pediatric Grand Rounds on Tuesdays. These conferences take place at the Cedar Crest campus at 8:00 am.

Description:
This course allows students to learn in a pediatric inpatient setting the basic principles and practice of pediatric sedation. Focus is placed on the review of relevant pharmacologic principles and techniques of sedative drugs and pain management.

Objectives:
1. Demonstrate the ability to conduct a comprehensive pre-sedation evaluation that includes a focused history and physical exam
2. Explain indications and contraindications for each sedative drug classification
3. Acquire and review pertinent medical records, select appropriate sedative and/or analgesia and develop a plan to manage pain
4. Accurately calculate dosage and predict the effect the medication will have on patient
5. Demonstrate the ability to properly use equipment designed to monitor sedated child

Rotation Activity:
Will work closely with sedation doctor on Mondays, Wednesdays and Thursdays for scheduled outpatient procedures requiring sedation. 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 consultation with the sedation doctors and inpatient team, will complete student's evaluation form and will forward to the medical school.

Syllabus:

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

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

Report to: 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 also develop and strengthen scientific literature searching skills and formulation of written responses.

Objectives: At the completion of this clinical rotation, students will be able to:
1. Identify relevant patient data from the medical record to evaluate appropriateness of medication therapy in pediatric patients.
2. Utilize pharmacokinetic principles and patient data to determine the most appropriate drug dosage regimen and formulation.
3. Identify appropriate evidence-based literature and summarize relevant information to respond to drug information requests.

Rotation Activities: Students on this rotation will be expected to learn and achieve the educational goals and objectives through the following methodologies and activities:
1. Students will identify and review pertinent patient information in the medical record with a focus placed on review of adverse drug reactions, 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 appropriately and accurately gather information, 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 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:**

Students are 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.

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**Contact:**

Patricia Quigley  
(727) 767-4106

For questions if not able to reach the above contact:

USF Health Peds Edu Dept  
(813) 259-8638

ACH GME Dept  
(727) 767-4106

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**Report to:**

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

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**Description:**

Principles of pediatric cardiology will be taught in outpatient and inpatient encounters at ACH-JHM. As a free-standing program, curricular flexibility allows for the student to pursue various rotations that span out-patient, in-patient, and inter-institutional settings. Students are encouraged to work closely with the faculty to tailor their clinical exposure to their interests. Opportunities for inter-institutional exposures may be arranged with the local departments. Students may also consider opportunities for research on selected topics in clinical or basic research in pediatric cardiology may also be coordinated pending project and faculty availability.

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**Objectives:**

1. Understand the evaluation and treatment of heart murmurs, chest pain, palpitations, dizziness, and syncope.

2. Understanding the evaluation and treatment of various forms of congenital heart disease: including septal defects, ventricular septal defects, tetralogy of Fallot, palliation for refractory tetralogy of Fallot, 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:**

Rotation activities to achieve the above objectives will be achieved by the following tasks:
Students will attend daily cardiology clinics at All Children’s Hospital Johns Hopkins Medicine. Students will participate in work up and care of cardiac patients including those admitted for procedures. Students are expected to participate in weekly conferences including cardiology specific conferences.

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 ICU and neonatal ICU.

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:**

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:**

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**Contact:** Katherine.adams@lvhn.org

(610) 402-7712

**Report to:** The Children’s Heart Center of NE PA
1605 N. Cedar Crest Blvd, Suite 119
(Roma Corporate Center)
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 each type.
4. Student will learn the basic differences between the pediatric EKG and the adult EKG.
5. Student will learn basic concepts of both performance of echocardiography and reporting.
6. Student will become familiar with the most common pathologic entities of congenital heart disease.
7. Student will see patients in an outpatient setting and will participate in history taking and physical examination.

Rotation Activities:

Student will spend each day with one of three pediatric cardiologists in the office setting. Student may join one of the pediatric cardiologists in the examination of patients in the hospital setting. Student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:

Evaluation:

Upon completion of this elective, student should understand the principles and diagnosis of most common congenital heart disease. Student will see patients in an outpatient setting and will participate in history taking and physical examination.

Students will be evaluated based on their level of participation and improvement over the course of the elective. Faculty in the pediatrics division, including the pediatric cardiologists and the clinical staff, will complete the student's evaluation form and return it to the medical school.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

N/A
Contact:
Katherine.Adams@lvhn.org
(610) 402-7712

Report to:
After attending Pediatrics Morning Report on the first day, report to the Pediatric Inpatient Unit 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 managed by 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.
3. The student should develop increasing clinical responsibility and judgment in dealing with patients.
4. The student should gain familiarity in performing certain basic procedures including venipuncture, lumbar puncture, intravenous line placement, suprapubic puncture, arterial puncture, and bone marrow aspiration.
5. The student should be able to give the indications for admission to the hospital for children.

Rotation Activities:
1. Student will sign in, pre-round, round and sign-out each day with either the Lion team or the Zebra team. During the week of nights, student will take sign-out at 6:00 pm and will sign out to the day team at 6:00 am the following morning.
2. If student has full EPIC access, student will follow the Pediatric template and document in EPIC. Notes are then copied, pasted to a new document, and emailed to the attending using MS Outlook or completed in a Word document and emailed to the attending on service.
3. Student should follow 3-5 patients depending upon complexity.
4. Student should become familiar with and use the IPASS method when signing out patients.
5. Student will be given access to the Hallway New Patient Presentation template and the Hallway Established Patient Presentation template and should become familiar with and use when presenting patients to attending and senior resident.
6. Student should attend Pediatrics Morning Report on Monday and Thursday mornings at 8:30 am.
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:
Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions:
Description:
The medical student will serve as an "acting intern" with the resident staff assigned to the inpatient general pediatrics service.

Objectives:
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 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:
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>
<thead>
<tr>
<th>Peds</th>
<th>MDI 8400 AI-In-Patient Pediatrics</th>
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**Contact:**
- Chief Resident
  - usfpedichiefs@gmail.com
  - (813) 259-8752
- Dr. Melinda Murphy
  - mshiver@health.usf.edu
  - (813) 259-8752

For questions if not able to reach above contacts:
- USF Health Peds Edu Dept (813) 259-8638

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

**Description:**
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 and be able to use them when appropriate to patient care.
3. The student should develop increasing clinical responsibility and judgment in dealing with hospitalized children and their families.
4. The student should gain familiarity in performing certain basic procedures including venipuncture, lumbar puncture, intravenous line placement, 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:**
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 case.

**Patient Encounters:**
- TGH 1 - 11 Yr 4
- Status 10 40-44 4 Murphy, Melinda
- Clinical
Evaluation of the student's performance will be made by observing development of his/her cl.

Syllabus:

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

Special Instructions:

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Contact:
acamos@health.usf.edu
Dr. Panzarino
vpanzari@health.usf.edu
Kathy Bennett
kbennett@health.usf.edu
(813) 259-8688

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:
This elective will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of hypertension, dialysis, and transplantation. Other topics may also be covered as determined by student preference.

Objectives:
1. Learn to take a history with an emphasis on the skills of talking and listening to parents and patients.
2. Perform an age appropriate examination and differentiate between normal and abnormal findings.
3. Learn how to use the history and examination to determine the nature of a pathological proc.
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 opportunities for students to present in class, and to participate in rounds. Students will prepare patient management cases and present to the class. During the rotation, students may be asked to 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.

---

**Contact:**
Dr. Campos
acampos@health.usf.edu

Dr. Panzarino
vpanzari@health.usf.edu

Kathy Bennett
kbennett@health.usf.edu

(813) 259-8688

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 will aid students in their initial approach to pediatric renal disease, understanding the mechanisms of renal disease and its treatment. Students will present on common renal disorders, including renal hypertension, chronic renal disease, dialysis, and transplantation. Other topics may also be covered as determined by student preference.
Objectives:
1. Learn to take a history with an emphasis on the skills of talking and listening to parents and patients.
2. Perform an age appropriate examination and differentiate between normal and abnormal findings.
3. Learn how to use the history and examination to determine the nature of a pathological process.
4. Learn about nephrology in children and basic principles of their management.

Rotation Activities:

Patient Encounters:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

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

Special Instructions:
- Transportation may be needed for travel between hospitals and clinics.
- **Students who select a 2 week rotation may only have 1 day of absence excused.**

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<th>Chinna karuppan, Nachamaa</th>
<th>Clinical</th>
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</table>

Contact:
Kate Adams
Katherine.Adams@lvhn.org
(610) 402-7712

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

Students will participate as members of the NICU clinical team consisting of faculty attending physicians and housestaff.
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:

Students will be evaluated by the service attending based on

1. Completeness of history, exam, presentation and management
2. Communication skills, Ability to work in a team will be assessed
3. Reading assignments with presentations at rounds
4. Delivery room resuscitation, procedural skills
5. Feedback will be given informally and formally in the middle and end of rotation. Students.

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Certifications Required
Description:

The objective of this elective is the development of clinical expertise in the management of disorders of the neonate. Students will participate as members of the NICU clinical team consisting of faculty attending physicians, residents, and neonatal fellows. Students will have the opportunity to observe and participate in conferences, rounds, and providing clinical care under close faculty and neonatal fellow supervision.

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 Certifications Required

- NRP Certification Required

| Peds | MEL 7596 | MCAH 3 - 11 | Pri Care or Mat Newborn | 1 | 0 | 44 | 4 | Bollepalli, Sureka | Clinical |
Contact: Dr. 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: Not 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 setting. The Center staff will provide specific education about the techniques required for home management of type 1 diabetes.

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

Rotation Activities:
The student will provide patient care under close faculty supervision. The student is expected to either provide a discussion on one selected topic or present a patient management case toward 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:
Yes.
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 chronic diseases should contact

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Click here for additional course information.
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 provided one week prior to the start of the rotation

Description:
The elective is designed to introduce senior students to the specialty of Internal Medicine-Pediatrics. Under the guidance of faculty dedicated to this field, students will gain clinical experience and an appreciation for the unique challenges and opportunities in caring for patients of all ages.

Objectives:
1. Evaluate and treat common acute problems encountered in adults and children in a primary care setting.
2. Evaluate and treat chronic conditions in adults and children in a primary care setting.
3. Perform appropriate preventative health maintenance measures in adults and children including well-child care, vaccinations, anticipatory guidance, and screening tests.
4. Gain familiarity with procedures common to the primary care setting including arthrocentesis.
5. Gain appreciation for the specialty of Internal Medicine-Pediatrics.

Rotation Activities:
Senior medical students will see patients in the Internal Medicine-Pediatrics combined clinic. Students will also have the opportunity to see patients in an inpatient setting.

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:

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Click here for additional course information.
Contact: Sharon Dabrow  
sdabrow@health.usf.edu  
(813) 259-8752  
For questions if not able to reach above contact:  
USF Health Peds Edu Dept (813) 259-8638  

Report to: provided one week prior to the start of the rotation  
17 Davis (across from USF Health STC, 1st Fl)  

Description: allows the student to experience the broad range of primary pediatric care issues  

Objectives:  
1. Improve knowledge of general outpatient pediatrics  
2. Improve skills in performing histories, physicals, assessments and developing appropriate  

Rotation: 8:00 am - 5:00 pm 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 cl.  

Syllabus:  

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

Special Instructions: one month prior

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Click here for
Report to: Student will spend 2 weeks in The Children’s Clinic at the LVHN 17th & Chew campus and 2 weeks at LVPG Pediatrics at Health Center/Madison Farms

Description: This rotation allows the student to experience the broad range of primary pediatric care issues. 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 thorough differential diagnoses and management plans.

Rotation Activities: 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: Evaluate and manage outpatients.

Evaluation: Composite evaluation by the supervising physicians in the Children’s Clinic and LVPG Pediatrics office.

Syllabus:

Visiting Students: No

Special Instructions: N/A

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Contact: Carina Rodriguez

Aleida Galvez, Administrator
The senior medical student will participate in both inpatient and outpatient clinical duties involving HIV-infected infants, children, and adolescents. This rotation will provide the student a period of intense exposure to HIV infection in infants, children, and adolescents.

**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.
- Participation in small pilot projects is encouraged under the mentorship of a faculty member.

**Rotation Activities:**
- The student will participate in teaching rounds, journal clubs, and seminars with the faculty.
- The student will rotate at the ACH Clinic and the CMS clinic in Tampa.

**Syllabus:**
- No visiting students.
- No night duty required.

**Contact:**
- Wenders, MPH, CHES
- amaynard@health.usf.edu
- (813) 974-3507

For questions if not able to reach above contact:
- USF Health Peds Edu Dept (813) 259-8638

**For questions if not able to reach above contacts:**
- USF Health Peds Edu Dept (813) 259-8638
- ACH GME Dept (727) 767-4106
Report to: Will be provided one week prior to the start of the rotation

Description: This elective is designed to familiarize the student with general outpatient pediatric care in a rural migrant health center.

Objectives: This rotation will provide students with a better understanding of rural medicine and the tremendous health needs of rural and migrant populations.

Rotation Activities: All students will be under the supervision of a precepting physician participating in well child care and acute walk-in care. In certain settings, many patients are Spanish speaking, and students will have the opportunity to work with interpreters.

Patient Encounters: Evaluations:
The clinician preceptors will evaluate students on an individual basis by. Evaluations will be based on patient interaction, presentations, medical plans, and documentation.

Syllabus:

Visiting Students:

Special Instructions: PRIOR APPROVAL REQUIRED
Contact Ms. Wenders at least six weeks prior to registering for this elective.
Transportation may be needed for travel between hospitals and clinics.
Depending on the site selected, Gulfcoast North or Gulfcoast South AHECs may provide housing.

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Contact Sharon Dabrow

sdabrow@health.usf.edu

(813) 259-8752

For questions if not able to reach above contact:
USF Health Peds Edu Dept (813) 259-8638

Report to: provided one week prior to the start of the rotation
17 Davis (across from USF Health STC, 1st Fl)

Description:
This rotation is a tutorial association with a community pediatrician.

Objectives:
1. Provide a realistic view of community pediatric practice
2. Broaden the scope of the student interested in the community practice of pediatrics.

Rotation Activities:
The student will see patients in the physician’s office, may be on call for emergencies, will accompany the physician on hospital rounds, and will participate in appropriate hospital conferences and seminars.

Patient Encounters:

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

Syllabus:

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

Special Instructions:
Contact Dr. Dabrow at least one month prior to the start of the rotation.

Transportation may be needed for travel between hospitals and clinics.

Final arrangements concerning the course location/preceptor will be made through a faculty member.

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

Peds

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**Pediatrics MEL 8568**

Pedi Hematology-Oncology

**Contact:**

Dr. Nanette Grana
(813) 259-8725
ghananette.grana@jhmi.edu

Gwen Harmon
(727) 767-4106
ghanon2@jhmi.edu

**Click here for additional course information**
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 provided one week prior to the start of the rotation

Description:
The student will be involved in the management of patients with pediatric hematology and oncology disorders, both in the inpatient and outpatient settings.

Objectives:
- Introduce the student to the clinical aspects of hematologic and oncologic disease in children
- Learn the basics of work up and care for the pediatric hematology/oncology patients

Rotation Activities:
The student will be involved in the diagnosis, evaluation and management of patients with 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 patients. The student will gain exposure to the multi-disciplinary approach to the care of children with chronic oncologic and hematologic conditions. Students will be an active participant in daily rounds and will be expected to interact with the team. Medical 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 as well as other settings related to the care of this population of children.

Patient Encounters:
Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:
No

Special Instructions:
**Students who select a 2 week rotation may only have 1 day of absence excused.**

Transportation may be needed for travel between hospitals and clinics.

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Click here for additional course information
Contact:

Dr. Rico
jrico@health.usf.edu

Berlinda Garcia-Mora, Administrator
(813) 259-8635

For questions if not able to reach above contacts:

USF Health Peds Edu Dept 813-259-8638

Report to: 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:
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 more.

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:
**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.

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Contact: Katherine.adams@lvhn.org
(610) 402-7712

Report to: The pediatric hematologist/oncologist on the inpatient unit at the Cedar Crest site after attending Pediatrics Morning Report. The outpatient clinic is located on the first floor of the Pediatric Subspecialty Center at the Cedar Crest site.

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.
- The student will spend time each day rounding and doing procedures on the inpatient unit. In the afternoon, the student will join the attending team and discuss patients. The student will be scheduled to present at Pediatrics Morning Report towards the end of the rotation.

Patient Encounters:
The student will be evaluated on multiple aspects of patient care and clinical performance during the rotation. This includes but is not limited to patient evaluation, history taking, physical examination, diagnostic procedures, and clinical decision-making.

Evaluation:
The student will be evaluated on multiple aspects of patient care and clinical performance during the rotation. This includes but is not limited to patient evaluation, history taking, physical examination, diagnostic procedures, and clinical decision-making.

Syllabus:

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

Special Instructions:

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Contact: Judith Ranells
juranell@health.usf.edu
Julie Stann  
jstann@health.usf.edu  
(813) 259-8772  
For questions if not able to reach above contact:  
USF Health Peds Edu Dept 813-259-8638  

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

Description:

Objectives: The goal of this elective is to acquaint the student with genetic and metabolic disorders in pediatrics: diagnostic evaluation, differential diagnosis, inheritance, management and counseling.

Rotation Activities: Students will typically attend Genetics/Metabolic Clinics Monday, Tuesday, and Thursday at CMS, with occasional visits to other clinics. They will also be expected to give a 10-15 minute presentation at the end of the rotation on a selected topic.

Patient Encounters:

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

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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 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, w
The objectives of this elective can be met via a research track, a clinical track, or a literature i

Rotation Activities:

Patient evaluations via observation and direct contact and interacting with va.
In addition to "hands-on" training, weekly didactics will provide teaching in the basic areas o.
This elective incorporates a wide variety of clinic environments, with exposure to NICU follow
When working close to Tampa General or All Children’s Hospital, the student is expected to a

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:

Transportation may be needed for travel between hospitals and clinics.
There is no night or weekend coverage expectations.
“Students who select a 2 week rotation may only have 1 day of absence excused.

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<th>Peds</th>
<th>MEL 8573 Pedi Allergy &amp; Clinical Immun</th>
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Jennifer Clinical
Additional course information

Contact:
Dr. Sriaroon
psriaroo@health.usf.edu
Amy Baldwin, Administrator
(727) 553-1258

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:
No

Special Instructions:
N/A

| Peds       | MEL 8574 Pediatric Pulmon | ACH 1-5, 7-8, 10-11 | Pri Care or Mat Newborn | 2 | 0 | 40-44 | 2, 4 | Ewig, Jeffrey | Clinical |
Contact:

Caroline 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:

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

Description:

Objectives:

1. Obtain a history and physical examination as it relates to pulmonary disease in the infant, child, and adolescent
2. Understand and interpret basic imaging of the respiratory system and lung function testing
3. Establish a level of competence in diagnosing and managing asthma in children utilizing the 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. 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:

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 may be needed for travel between hospitals and clinics.

| Peds        | MEL 8574 Pediatric Pulmonary Disease | TGH 1-5, 7-8, 10-11 | Pri Care or Mat Newborn | 1 | 0 | 40-44 | 4 | Couluris, Marisa | Clinical |

Contact:
Dr. 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: 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, 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:
Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions:
Transportation may be needed for travel between hospitals and clinics.

**Peds**

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</table>

**Pediatric Pulmonary Disease**

Click here for additional course information

**Contact:**

Katherine.adams@lvhn.org

(610) 402-7712

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 and observe diagnostic and therapeutic procedures performed in the Pediatric Pulmonary Disease Clinic. Students will observe the consultation process with pediatric pulmonologists. Students will join one of the three pediatric pulmonologists when consulting on the pediatric inpatient unit, the PICU and the 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 principles presented by the NIH Asthma Guidelines.
4. Possess an understanding of pulmonary physiology as it relates to common pediatric respiratory disorders.
5. Have a familiarity with common respiratory therapeutic agents employed in pediatrics including airway clearance techniques and asthma pharmacotherapy.

**Rotation Activities:**

This elective will involve working with a multidisciplinary team that will provide experience in the evaluation and management of children with respiratory disorders. Student will be scheduled to present an interesting case at Pediatric Morning Report towards the end of the rotation.

**Patient Encounters:**

Evaluation will be evaluated on clinical performance during this 4 week rotation. The student will...
### Syllabus:

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

**Special Instructions:**
N/A

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**Contact:**
Kate Adams
Katherine.Adams@lvhn.org
(610) 402-7712

**Report to:**
After attending Pediatrics Morning Report at the Cedar Crest Site, report to the PICU, 2nd floor Jaindl at 0900

**Description:**
The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions, including critical illness. The PICU provides medical, surgical, and critical care services for children 0-17 years of age. The PICU serves as the primary referral center for critically ill children at Lehigh Valley Hospital - Muhlenberg.

**Objectives:**
1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both assess a patient's condition and institute a treatment plan.
3. The student will learn to appreciate the utility and usefulness of both invasive and non-invasive physiologic monitoring and support.

**Rotation Activities:**
Student will round daily on the PICU (2 Jaindl) and the PICU Intermediate Unit (4 Pool). In addition to the learning activities described above, students will be assigned patient encounters and didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

**Patient Encounters:**
Medical students will be on call two to three times during the rotation.

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

Special Instructions:

Contact: Harmon
gharmon2@jhmi.edu
(727) 767-4106

For questions if not able to reach above contact:
USF Health Peds Edu Dept (813) 259-8638

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

Description:
The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions. The unit is organized around the organ system derived approach to patient problems. Integration of multiple healthcare providers is emphasized.

Objectives:
1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both assess a patient’s condition and institute a treatment plan.
3. The student will learn to appreciate the utility and usefulness of both invasive and non-invasive physiologic monitoring and support.

Rotation Activities:
Students are given the responsibility for patient care under the direct supervision of the PICU resident or attending. They will participate in daily rounds, review of cases, and didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

Patient Encounters:

Evaluation:
Final evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

Syllabus:

Visiting Students:
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**Description:** The PICU is a multidisciplinary unit providing acute care for pediatric patients with a wide variety of medical and surgical conditions. The PICU provides 24-hour monitoring and management, including mechanical ventilation, hemodynamic support, and advanced infusion and resuscitation. The unit employs an organ system derived approach to patient problems. Integration of multiple healthcare providers is emphasized.

**Objectives:**
1. The student will learn to utilize physical exam skills, laboratory data, and radiographic data to assess the physiologic stability and severity of illness in pediatric ICU patients.
2. The student will learn to incorporate accumulated data with critical thinking skills to both assess a patient's condition and institute a treatment plan.
3. The student will learn to appreciate the utility and usefulness of both invasive and non-invasive physiologic monitoring and support.

**Rotation Activities:** Students are given the responsibility for patient care under the direct supervision of the PICU resident or attending physician. This includes bedside care, medical record abstraction, patient monitoring, and interpretation of physiologic data. Students also participate in didactic presentations on aspects of pediatric critical care medicine, and self-directed study on individual patients.

**Patient Encounters:**

**Evaluation:** Final evaluations will be based on the guidelines presented on the evaluation form and the degree to which the student has met his/her stated objectives.

**Syllabus:**

**Visiting Students:**

**Special Instructions:** Students who select a 2 week rotation may only have 1 day of absence excused.
Contact: Harmon
gharmon2@jhmi.edu
(727) 767-4106
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: provided one week prior to the start of the rotation

Description:

Objectives: Students will be taught to provide patient care that is compassionate, appropriate and effective for the promotion of health, prevention of illness, treatment of disease and at the end of life in the neonatal intensive care unit.

Rotation Activities:
- Opportunities to participate in simulated resuscitative scenarios will be available.
- Students will attend the NICU follow-up clinic. Students will have the opportunity to follow nutritional, developmental, and medical progress of patients who were admitted to the NICU. This will include medical follow-up, developmental follow-up, and expressive language and feeding evaluations. Students will be able to observe a variety of procedures including but not limited to sterile gowning and aseptic technique, central line placement, 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

| Peds | MEL 8579 Ped Gastroenterology/Nutrition | LVHN 1-11 | Yr 4 Status | 1 | 0 | 40 | 4 | Paul, Adam | Clinical |
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 students will attend the Pediatric Gastroenterology clinic with one of the three attendings, located on the 3rd floor on the Cedar Crest campus.

Patient Encounters:

Evaluations will be evaluated on multiple aspects of patient care and clinical performance during the rotation.
Description: The Pediatric Gastroenterology/Nutrition Department is a very active clinical service. Students will participate in the care of children with gastrointestinal disorders. Students will assist in planning the diagnostic and therapeutic program for these patients.

Objectives:
1. Identify and explain the anatomy, physiology and pathology of the digestive system
2. Utilize knowledge about the developmental stages of the digestive system to aid in disease diagnosis and treatment
3. Be able to accurately evaluate and manage a pediatric patient for common gastrointestinal 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. Students will observe diagnostic modalities such as endoscopy, manometry, esophageal dilation, suction rectal biopsies and Ph probes. The student will be evaluated on faculty evaluations, attendance and overall performance.

Patient Encounters:
Evaluation:
The student will be expected to read about the diseases of their clinic and hospital patients.
Syllabus:

Visiting Students:
No

Special Instructions:
Contact Dr. McClenathan prior to the first day of the rotation

| Peds | MEL 8580 Pediatric Emergency Medicine | ACH 1 - 11 | Pri Care or Mat Newborn | 2 | 0 | 44 | 4 | Rahman | Clinical |

Contact Rahman, Posey, and Staff
(813) 259-8725

Angela Hammonds
ahammo14@jhmi.edu

Gwen Harmon
gharmon2@jhmi.edu
(727) 767-4106

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

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

Description:
The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of acutely ill and injured children.

By the completion of the rotation, students will be able to identify an acutely ill or injured child and develop and implement an appropriate management plan.

Objectives:
Rotation Activities:
Students are integrated into the health care team and participate directly in all aspects of patient care, including direct patient care, team rounds, radiology rounds, chart review, plus monthly mock code scenarios designed to integrate with syllabus material.

Patient Encounters:

Click here for additional course information
**Evaluation**: The student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

**Syllabus**:

**Visiting Students**: No

**Special Instructions**: Students who select a 2 week rotation may only have 1 day of absence excused.

<table>
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<tr>
<th>Peds</th>
<th>MEL 8580 Pediatric Emergency Medicine</th>
<th>TGH 1-11</th>
<th>Pri Care or Mat Newborn</th>
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**Contact**: Gregory Gaar
gregory_gaar@teamhealth.com
(813) 627-5973 or (813) 627-5906

For questions if not able to reach above contacts:
USF Health Peds Edu Dept (813) 259-8638

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

**Description**: The Pediatric Emergency Medicine elective is designed to give an in-depth exposure to the identification and management of acute illnesses and injuries in pediatric patients. Students will be able to identify an acutely ill or injured child and develop and implement an appropriate management plan.

**Objectives**:

**Rotation Activities**: Students are integrated into the health care team and participate directly in all aspects of patient care for acute conditions. Activities include attending to the bedside, radiology rounds, chart review, plus monthly mock code scenarios designed to integrate with syllabus material.

**Patient Encounters**:

**Evaluation**: The student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.
**Students who select a 2 week rotation may only have 1 day of absence excused.**

| Peds | MEL 8582 Pediac Infectious Diseases | ACH 2-11 Pri Care or Mat Newborn | 2 | 0 | 40-44 | 4 | Dumois, Juan | Clinical |

Contact:

- **Juan Dumois**
  - jdumois@health.usf.edu
  - (813) 259-8725
- **Dr. Berman**
  - bermand@allkids.org
- **Gwen Harmon**
  - gharmon2@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:

This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team.

Objectives:

- Time is spent on inpatient consults. The student is exposed to all areas of the hospital since consults are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

Patient Encounters:

Evaluation:

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

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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Peds

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<th>MEL 8582</th>
<th>TGH 2 -11</th>
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Click here for additional course information

Contact: Dale Bergamo
dbergamo@health.usf.edu

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

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

Description:

This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team.

Objectives:

Rotation Activities:

The majority of time is spent on inpatient consults. The student is exposed to all areas of the hospital since consults are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

Patient Encounters:

Evaluation:

Evaluation of the student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

Visiting Students:

Apply via
USF Health Morsani College of Medicine on VSAS.

Special Instructions:

1. Please contact the department at least two weeks prior to starting elective.
2. Transportation may be needed for travel between hospitals and clinics.
3. No night call is required.
4. **Students who select a 2 week rotation may only have 1 day of absence excused.

**Course Details:**

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<th>Villalobos, Tibisay</th>
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**Contact:**

Kate Adams
Katherine.adams@lvhn.org
(610) 402-7712

**Report to:**

Dr. Tibisay Villalobos
Pediatric Infectious Disease Physician Inpatient Unit at Cedar Crest.

**Description:**

This elective in pediatric infectious disease is a clinical preceptorship with the Infectious Disease team. The majority of the time will be spent on the inpatient medicine service but will also include time on the inpatient pediatrics service and adult infectious disease service. Daily rounds are held frequently. The student is expected to participate in weekly journal club, presenting an article each week.

**Objectives:**

1. Learn to take a complete and thorough history pertaining to common infectious diseases problems
2. Demonstrate appropriate physical examination skills and ability to perform adequate assessment and differential diagnosis between infectious and non-infectious illnesses
3. Learn about laboratory diagnosis of common infections and the interpretation of current microbiologic, virologic, mycologic, parasitologic and serologic tests
4. Learn how to correlate laboratory findings (such as antibiotic sensitivities) to the clinical evaluation at the patient bedside
5. Learn about antimicrobials and the proper use in pediatrics
6. Identify the immunizations administered during childhood and adolescence and evaluate the indications for specific vaccines
7. Learn basic concepts of Hospital Epidemiology and Infection Prevention / Control and how to apply them to daily clinical practice
8. Understand the principles of treatment for most common infectious diseases
9. Identify infectious disease in the perinatal period that can cause congenital and neonatal infections
10. Learn about travel medicine and global health: how infectious diseases spread around the world.

Learning Outcomes: This course will prepare the student to diagnose, treat and manage common infectious diseases in pediatric patients. This includes an understanding of basic microbiology, the epidemiology of common pediatric infections, and the ability to recognize clinical signs and symptoms of these infections. In addition, students will learn to use immunizations, advanced tests used to identify pathogens, and the appropriate use of antimicrobials to treat infections.

Rotation Activities:

Students will join pediatric rounds each day with the Pediatric Infectious Disease team, including participation in case discussions and decision-making.

Patient Encounters:

Evaluation:

Students will be evaluated on multiple aspects of patient care and clinical performance during the rotation. The evaluation will include case presentations, written reports, and a final evaluation with formative and summative comments based on clinical performance, knowledge and skills.

Syllabus:

Visiting Students:

Yes. Apply via 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.**

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**Pediatrics**

MEL 8583 Adolescent Medicine

TGH/STC 1, 5-7, 9-11 Yr 4 Status 1 0 40-44 2, 4 Straub, Diane Clinical

Contact:

Diane Straub
dstraub@health.usf.edu

Julie Stann, Administrator
(813) 259-8772

Description:

This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to develop an understanding of the unique medical and health needs of the adolescent population, learn to communicate effectively with teenagers, and gain experience in providing preventive health anticipatory guidance for adolescents.

Objectives:

1. Appreciate the unique medical and health needs of the adolescent population
2. Increase comfort level in communicating with teenagers, performing psychosocial risk interviews using the HEADDSS assessment, and providing preventive health anticipatory guidance for adolescents
3. Understand the normal sequence of physical growth and psychological development during puberty, 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 other providers. Know the elements of health supervision visits for different ages, including indicated screening tests and immunizations.

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, dental problems, mental health disorders, and sexually transmitted infections.

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.

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 weight-related health and substance abuse problems in adolescents; and at a variety of other settings, learning about sports medicine.

Students will work closely with residents from USF pediatrics, and depending on the site the student is working at, they may be available to attend the USF Residency program conferences.

Evaluation:
Student’s performance will be made by observing development of his/her clinical expertise and the use of informal quizzes.

Syllabus:

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

Special Instructions:
Transportation may be needed for travel between hospitals and clinics.

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

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</table>

Contact:
Katherine.adams@lvhn.org
(610) 402-7712
Report to: Adolescent Outpatient Office located at 401 North 17th Street, Suite 203, Allentown at the LVHN 17th & Chew campus

Description: This elective is designed to introduce senior medical students to the field of adolescent medicine. Students will be able to learn about the unique medical and health needs of the adolescent population, gain experience in adolescent health care in school-based clinics, and 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
4. Perform a well adolescent physical and take on the role of primary care provider in working with subspecialists
5. Act as a subspecialist consultant for patients referred by outside primary care providers, and communicate effectively with the primary care provider
6. Know how to diagnose and treat common adolescent medical problems, such as acne, dysmenorrhea, menstrual disorders, eating 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 adherence with treatment
8. Improve communication with parents and families to help them understand normal adolescent development, and encourage them to take a more active role in their adolescent’s 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 with the dietician, learning about disordered eating patterns and weight management as well as with the gynecologist learning about the unique reproductive care needs of the adolescent.

Patient Encounters:

Evaluation: Student performance during the Adolescent rotation will be assessed using the following methods:

- Global assessment of the student performance completed by the supervising attending at the end of the rotation
- Direct and timely feedback by attending during the delivery of patient care
- Feedback on documentation by supervising attending

Syllabus:

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

Special Instructions: N/A
Description: This elective offers an opportunity for fourth year medical students and immunology residents to have hands-on experience using modern techniques in the laboratory.

Objectives:
1. Learning to use ELISA and immune based assays to quantify soluble proteins and cytokines
2. Application of flow cytometry analysis to measure immune cell activation and differentiation
3. Understanding the contemporary applications of measuring gene expression and systems biology

Rotation Activities:

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:

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Contact: USF Health Peds Edu Dept (813) 259-8638
ACH GME Dept (727) 767-4106
Division of Allergy/Immunology
Children’s Research Institute (Band-Aid Building) 8:30 AM at ACH
Dr. Justyna Wojas
jwojas@health.usf.edu

Dr. Tanya Murphy
rothmanctr@health.usf.edu
(727) 767-8230

For questions if not able to reach above contacts:

USF Health Peds Edu Dept (813) 259-8638

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

Description: This elective is designed to introduce senior medical students to the identification, evaluation, and treatment of children and adolescents with psychiatric disorders. The elective will focus on the identification, evaluation, and treatment of psychiatric disorders associated with autoimmune neuropsychiatric disorders (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. There will be a number of clinical studies examining both psychopharmacology and therapeutic treatments for various diagnoses.

Patient Encounters:

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

Syllabus:

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

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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Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368
Report to:
JAHVA Main Hospital
GA-004
8:00 AM
Description:
This course will be conducted in a seminar style fashion. Students will meet with faculty to review recent articles about dementia. Topics will include underlying pathophysiology, genetics, diagnostic methods, treatment and prevention of dementia.

Objectives:
At the end of the course students will be able to:
1. Discuss the latest models of how neuropathological protein misfolding occurs in the brain and its role in the development of dementia along with other pathophysiology that leads to dementia
2. Describe trophic factors that support neuron functioning and toxins that may accelerate dementing processes
3. Identify evolutionary and genetic factors that make a person susceptible to dementia and current recommendations for identifying these factors in clinical care
4. Discuss potential interventions to prevent dementia
5. Discuss the work up for a patient with mild cognitive impairment or early dementia
6. Describe the pathways and biological targets for pharmacologic and non-pharmacologic interventions.

Rotation Activities:
Students will meet with course faculty to review recent papers about advance in the understanding of the development, progression, and treatment of dementia. There will be an opportunity for interested students to get clinical exposure to patients with cognitive impairment.

Patient Encounters:
N/A

Evaluation:
1. Students will evaluate articles using a critical appraisal tool that they will turn in for faculty review.
2. Students will give a presentation on the final day of the rotation to faculty and peers including a list of references. Faculty will complete a checklist providing feedback on the quality of the presentation.
3. Professionalism and group participation will also be assessed throughout the elective.

Syllabus:

Visiting Students:
N/A

Special Instructions:
N/A

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

<table>
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<th>Psych</th>
<th>MDE 8811 Integration of Brain Networks</th>
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Click here for additional course information
Dr. Frank Kozel
(813) 972-2000 ext. 5289

Report to:
JAHVA Hospital
Building 68, Room 227
1:00 PM

Description: This course will provide a conceptual framework to think about brain disease following the National Institutes of Mental Health’s approach of tying symptoms back to specific parts of the brain. At the end of the course, all students will be required to present a small conceptual paper on a topic of their choice related to course materials.

Objectives:
1. Discuss different classes of variables (or units of analysis) affecting behavior including genes, molecules, cells, neural circuits, physiology, behaviors, and self-reports.
2. Describe the circuits that represent the core aspect of these classes of variables – as central to the various biological and behavioral levels of analysis.
3. Discuss the selection, implementation and limitations of modern treatment modalities for brain disorders.
4. Integrate the basic science knowledge described with clinical applications and laboratory research.
5. Critically evaluate the pertinent literature to one topic of their choice and summarize it into a 20 minute conceptual presentation.

Rotation Activities:
Students will meet with course faculty and review selected articles. At the end of the course, all students will be required to present a small conceptual paper on a topic of their choice related to course materials.

Patient Encounters:
N/A

Evaluation:
Students will be evaluated based on faculty evaluation of interaction, participation, peer evaluation, and a final scholarly project.

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
Contact:
pcrump@health.usf.edu
(813) 974-5368
Dr. Cory Klippel
Cory.Klippel@va.gov
(813) 457-0226 (Pager)
(863) 326-3000 (Cell)
(904) 263-0199 (Office)

Report to: JAHVA Hospital campus
Room 1A-105J
13000 Bruce B. Downs Blvd
Tampa, FL 33612

Description:
This elective gives the student the unique opportunity to participate in the evaluation, diagnosis, and short-term management of psychiatric patients. The student will work closely with attending physicians and residents in a variety of settings, including inpatient and outpatient units. The student will be involved in comprehensive mental health assessments, therapeutic interventions, and medication management. This experience is designed to provide the student with a broad understanding of psychiatric disorders and the skills necessary for effective psychiatric practice.

Objectives:
During the rotation the student will demonstrate the ability to:

1. Obtain a history and perform relevant physical exam for urgent psychiatric complaints
2. Conduct a thorough mental status assessment inclusive of:
   1. A comprehensive assessment for dangerousness inclusive of suicide and violence risk
   2. Use of the MoCA to screen for cognitive deficits
3. Differentiate functional from organic disorders, define and identify common psychotic, affective and characterological disorders
4. Recognize interaction of substance abuse with other syndromes
5. Differentiate problems which require further inpatient assessment and treatment versus outpatient care
6. Appropriately utilize medications and recognize major side effects
7. Use of brief interventions inclusive of crisis intervention, chemical and physical restraint, etc.
8. Describe the elements required for confidentiality, involuntary hospitalization and surrogate decision making.
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

Syllabus:

Visiting Students:

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

Special Instructions:

Contact:

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

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

Report to: University Psychiatry Center

7:45 AM on first day - Ask front desk for “attending” for resident clinic
Description: This elective is designed to provide interested students with clinical and didactic training in outpatient psychiatry. Participation involves seeing new and established patients in conjunction with psychiatry residents and faculty. 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.

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

1. Describe common presenting symptoms and disorders in various outpatient psychiatric settings
2. Discuss challenges in establishing a psychiatric diagnosis in the outpatient setting including interviewing techniques that facilitate building rapport
3. Describe variety of psychotherapy modalities including individual, group, and family, therapy and when to refer each of these modalities.
4. Compare and contrast use of psychotropic medications in the outpatient and inpatient settings.

Rotation Activities: Students will see new and established patients in conjunction with psychiatry residents and faculty.

Patient Encounters: 

Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus: 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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Description:
The elective is designed to provide the interested student with an opportunity to develop diagnostic and management skills in the area of psychiatric and behavioral disorders. This area of study is especially relevant for primary care pediatricians and family physicians. This elective is designed to complement existing training in clinical psychology and psychiatry by expanding the student’s knowledge of psychiatric and behavioral problems including the behavioral disorders that are commonly encountered in family medicine and pediatric practices.

Objectives:
At the end of the rotation students will be able to:

1. Describe how to evaluate and diagnose common psychiatric and behavioral disorders in children.
2. Discuss the role of psychotherapy, including individual and family therapy, in the treatment of psychiatric disorders for youth.
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 objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus:
MEL 8602 Child Psych Syllabus.pdf

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

Special Instructions:
N/A
Contact: Katherine Martin

Katherine_B.Martin@lvhn.org

(610) 402-5766

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 in children and adolescents. Students will learn to evaluate and diagnose psychiatric problems including common behavioral disorders in children and adolescents. They will also learn basic management skills of psychiatric problems including common behavioral problems.

Objectives:
1. Learn how to evaluate and diagnose psychiatric problems including common behavioral disorders in children and adolescents.
2. Learn basic management skills of psychiatric problems including common 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 participate in their patients' care. Students will also be expected to give a 10-minute presentation on a relevant topic of interest.

Patient Encounters:

Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus:

Visiting Students: No
Special Instructions:
Drs. Gomez, Campion, 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
- 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 treatment of patients with memory disorders, with a focus on geriatric psychiatry and the differential diagnosis of patients with memory complaints and psychiatric disorders.

Objectives:
1. Become familiar with the multidisciplinary assessment of elderly patients
2. Develop specialized diagnostic skills for identifying and differentiating the multiple causes of dementia
3. Learn how to integrate psychiatry and medical care of the elderly
4. Become familiar with utilization of community resources in the care of the elderly
5. Become familiar with the therapeutic rapport between physician and the patient’s family or

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 Hospital Acute Recovery Unit (ARC) 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 required to participate in activities that will allow them to critically evaluate their own learning experiences. This includes a self-evaluation of what they learned on the elective, and a critique of their elective experience.

Syllabus:

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

Special Instructions:
N/A

<table>
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<th>MEL 8611 Adv Adult Inpatient</th>
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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 participate in activities that will allow them to critically evaluate their own learning experiences. This includes a self-evaluation of what they learned on the elective, and a critique of their elective experience.

Objectives:
By the end of the rotation students will:

1. Demonstrate the ability to interview patients with acute psychiatric symptoms including those that are suicidal, agitated and/or psychotic
2. Be able to conduct a risk assessment for suicide and violence
3. Discuss the differential diagnosis for patients under their care
4. Be able to create a biopsychosocial formulation
5. Discuss how to select an initial pharmacologic agent for common psychiatric disorders.
6. Describe psychotherapy interventions for acutely ill patients including milieu management.

**Rotation Activities:**
Students will perform the history and physical for patients being admitted to the hospital and will be responsible for the care of third-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:**
N/A

**Psych**
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**Contact:**
Katherine_B.Martin@lvhn.org
(610) 402-5766

**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.
Objective:
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, and family psychotherapy
4. Develop effective interviewing skills used when working with psychiatric patients

Rotation Activities:
Students rotate on the inpatient psychiatry unit. They will follow several patients on the unit.

Patient Encounters:

Evaluation:
The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

In addition, the student will be required to prepare a written summary of the elective experience including a description of patient encounters, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

Syllabus:

Visiting Students:

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

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

Report to:
James A Haley VA Acute Recovery Unit (ARC) 30-G
Ground Fl
7:30 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612
Description: This elective is designed to offer advanced experience in the evaluation, treatment, and rehabilitation of elderly 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 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, the student will complete a self-evaluation of what was learned in the elective, and a critique of the elective experience.

Syllabus:

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

Special Instructions: None

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

Report to: University Psychiatry Center
Third Fl Clinic at 8:00 AM
3515 E. Fletcher Ave
Tampa, FL 33613
Description:
The elective is designed to offer advanced experience in the evaluation, treatment, and rehabilitation of elderly patients.

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 with a wide variety of diagnoses in conjunction with faculty.

Patient Encounters:

Evaluation:
The supervising faculty will evaluate the student’s clinical performance according to the elective objectives.

Syllabus:

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

Special Instructions:
N/A

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<th>MEL 8613 Alcoholism &amp; Substance Abuse</th>
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<th>Psych/Neuro 1 0 44 2,4</th>
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<th>Clinical</th>
</tr>
</thead>
</table>

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

Report to:
JAHVA Hospital Outpatient Psychiatry Clinic
1077 N. 46th Street Bldg E
Description: This elective is designed to offer advanced experiences in the evaluation, treatment, and rehabilitation of alcoholic and drug dependent patients. The student will have the opportunity to participate in ongoing addiction research activities.

Objectives:
1. Demonstrate diagnostic skills in chemical dependency and associated medical and psychiatric disorders
2. Describe individual, group, and community treatment techniques for the chemically dependent patient
3. Discuss how to facilitate rehabilitation of chemically dependent patients
4. Identify community resources for chemically dependent patients

Rotation Activities:
Students will see both new and established patients in the outpatient substance use treatment program at the James A. Haley VA in conjunction with faculty and residents.

Patient Encounters:
Evaluation: The supervising faculty will evaluate the student’s clinical performance according to the elective objectives. In the supervised activities, a self-evaluation of what the student learned in the elective, and a critique of his/her elective experience.

Syllabus:

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

Special Instructions:

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

Dr. Kimberly Hartney
(941) 276-3759
Description:
This elective is designed to provide students with a greater understanding of the interface between psychiatry and other medical specialties.

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 both new and follow up evaluations.
2. Create documentation and orders for the care of those patients.
3. Act as an educator for junior medical students.

Patient Encounters:
Alcohol withdrawal
Psychosis

Evaluation:
Faculty will evaluate the student’s clinical performance according to the elective objectives.
The student will conduct a 10 minute presentation on a relevant topic of interest.
The student will submit medical documentation for review by faculty.

Syllabus:
Syllabus 8614 syllabus AI - CL Psychiatry.pdf

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

Special Instructions:
N/A
Adult Psych Consul
ts

Contact:
Pat Crump
pcrump@health.usf.edu
(813) 974-5368
Dr. Gregory Sullivan
Gregory.Sullivan1@va.gov
(813) 972-2000 ext. 6723

Report to:
JAHVA main hospital
GA-004 at Ground Fl
8:00 AM
13000 Bruce B. Downs Blvd
Tampa, FL 33612

Description:
This elective is designed to provide students with a greater understanding of the interface between psychiatry and medicine, 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 members of other medical teams and other disciplines

Rotation Activities:
Students will:
1. Perform psychiatric consultations for patients on medical and surgical floors conducting both new and follow up evaluations
2. Create documentation and orders for the care of those patients
3. Act as an educator for junior medical students

Patient Encounters:
Alcohol withdrawal
Psychosis
Evaluation:
Faculty will evaluate the student’s clinical performance according to the elective objectives.

The student will conduct a 10 minute presentation on a relevant topic of interest.

The student will submit medical documentation for review by faculty.

Syllabus:
MEL 8614 syllabus AI - CL Psychiatry.pdf

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

Special Instructions:
N/A

Psych
MEL 8614 Adv Child/Adult Psych Consults
LVH-CC 1-11 Yr 4 Status 1 0 44-50 4 Martin, Katherine
Clinical

Contact:
Katherine_B.Martin@lvhn.org
(610) 402-5766

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

Description:
This elective is designed to provide students with a greater understanding of the interface between psychiatry and internal medicine. Students will learn how to assess and treat patients with psychiatric conditions, including mood disorders, conversion disorders, psychotic disorders, delirium, dementias, and other organic illnesses.

Objectives:
1. Become familiar with psychiatric diagnoses in both the adult and child populations
2. Improve interviewing skills by performing interviews on difficult medical/surgical patients
3. Learn to be part of a consultation/liaison team and be able to work with members of other medical teams

Rotation Activities:
Students rotate on the consult service. They will see 3-4 new consults each day and participate in all aspects of the consult process. They will also be expected to give a 10-minute presentation on a relevant topic of interest.

Patient Encounters:
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 Approvals: Dr. Martin required at least four months prior to the start of the elective.

Contact:

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

Dr. Jaime Fernandez
(917) 822-4293

Dr. Frank Kozel
(813) 974-2000 ext. 5289

Kim Vantrees, Nurse Treater
Kimberly.Vantrees@va.gov

Memorial Hospital
2901 W. Swann Avenue, Tampa, FL 33609

Go to the main entrance and text Dr. Fernandez when you arrive.

Description:

This elective is designed to introduce senior students to the use of various forms of neural stimulation in the treatment of psychiatric disorders.

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 stim.

6. Participate in the treatment of patients with electroconvulsive therapy, transcranial magnet

Rotation Activities:

Students will see patients at the James A Haley Neurotherapies Clinic, Memorial Hospital, an

Patient Encounters:

Students will work closely with the Neurostimulation Attending who will provide the assessm

Syllabus:

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

Special Instructions:
Read from Pat Crump before the rotation starts.

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<th>Psych</th>
<th>MDR 8840 Psychiatric Research</th>
<th>UPC 1-11</th>
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</table>

Contact:

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

Maisie Pallasigui
Assistant to Dr. Currier
(813) 974-4657

Dr. Jun Tan
jtan@health.usf.edu
This elective is designed to enable the advanced student to become acquainted with the methodologies of behavioral medicine and psychiatry. It will focus on the research of 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

**Rotation Activities:** individualized based on student interest and available projects.

**Patient Encounters:** N/A

**Evaluation:**
The research supervisor will evaluate the student’s research performance according to the elective objectives. The student will provide a written summary of his/her research experience and a critique of his/her elective experience.

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
Prior approval from the department (the Chair of Psychiatry or Faculty supervisor for the rotation) required. For UPC, call 813-974-4657 to make an appointment with the chair.

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</table>
Contact:
Susanne Sipos
Administrative Secretary Radiology Administration LVHN
Susanne.sipos@lvhn.org
(610) 402-8088

Report to:
Susanne Sipos, Radiology Administrative Office LVH-Cedar Crest

Description:
This elective is designed to allow a medical student to work closely with an attending pediatric radiologist in a busy pediatric radiology service. The student will gain one-on-one didactic and practical experience and training in the correct ordering, protocoling, performing and interpreting radiographic tests in the pediatric patient. The rotation will include interdepartmental conferences.

Objectives:
1. Identify and explain indications/ contraindications for common pediatric radiographic tests
2. Develop clinical judgment regarding the appropriate use of radiographic examinations.
3. Identify alternatives to radiography, fluoroscopy and CT in the pediatric patient
4. Identify and institute pediatric specific protocols in common examinations
5. Interpret common pediatric radiographic examinations
6. Identify and discuss imaging concerns directly applicable to the pediatric patient, including radiation exposure, child life assistance, and sedation
7. Integrate information into a multidisciplinary approach to radiologic care and services

Rotation Activities:
The student will gain one-on-one didactic and practical experience and training in the correct ordering, protocoling, performing and interpreting radiographic tests in the pediatric patient. The rotation will include interdepartmental conferences.

Patient Encounters:

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

Syllabus:

Visiting Students:
No

Special Instructions:
N/A
Description:
This elective is designed to provide students with a self-study program in radiological anatomy as it relates to medical imaging modalities. The course covers the imaging anatomy of the head and neck, spine, upper and lower extremities, as well as the chest, 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 in different medical imaging modalities.
3. Identify important anatomical structures within the chest, abdomen, and pelvis in different medical imaging modalities.

Rotation Activities:
Quizzes
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 must be proctored in person. Arrangements can be made for students to sit for a proctored exam on the LVHN campus on the date scheduled.

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.

Contact:
Medical Education Coordinator
tcolley@health.usf.edu
Dr. Summer Decker
sdecker@health.usf.edu
Dr. Jonathan Ford
jford@health.usf.edu

Report to:
Dr. Decker
Radiology

MDE 8772
Breast Imaging

Click here for additional course information

Contact: Colley
Medical Education Coordinator
tcolley@health.usf.edu

Report: 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 provide a better understanding of the role of diagnostic imaging and image guided diagnostic procedures in disorders of the breast.

Objectives:
1. Develop an understanding of the effects of screening mammography on population based survival rates and the current recommendations for screening mammography.
2. Discuss the most common pathologic entities of the breast.
3. Develop a sound understanding of how to interpret a screening mammogram using the BI-RADS lexicon.
4. Understand when a diagnostic mammogram, ultrasound or MRI is indicated in the evaluation of the breast.
5. Observe mammograms and breast ultrasounds being performed and interpreted.
6. Understand the strengths and limitations of the various breast imaging techniques.
7. Describe image guided breast procedures and their indications.
8. Develop an understanding of 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:

Yr 4
Status
Falcon, Shannon
**Description:**

This two-week elective is designed specifically for third-year medical students to provide an introduction to diagnostic imaging and its applications.

**Objectives:**

1. The medical student will develop an appreciation of the complexity of diagnostic imaging, including an understanding of the types of studies available and the information they can provide.
2. The students will also gain an understanding of the clinical indications for obtaining studies, the relative risk/benefit of radiologic procedures, and the basic technical aspects of how examinations are performed.
3. The student will develop an understanding of the differences between, and interactions among, each of the imaging specialties and the operation of these radiologic subspecialties in the context of modern radiologic and medical practice.
4. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate imaging studies:
   - Renal cysts
   - Intracranial metastases
   - Pneumothorax
   - Increased intracranial pressure
   - Space-occupying lesions
   - Bone, fracture
   - Elbow joint effusion
   - Shoulder dislocation

**Rotation Activities:**

Attend weekly lectures, participate in rotation assignments, and participate in group image interpretation sessions, and with a series of didactic sessions given by radiology faculty and residents.

**Patient Encounters:**

Evaluate patients and present imaging cases.

**Evaluation:**

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

**Syllabus:**

**Visiting Students:**

No special instructions.

**Special Instructions:**

Enrollment will be subject to availability and will require prior approval of the director.
Radiology  
MEL 7701 Neuroadiology  
Click here for additional course information  

Contact: Colley  
Medical Education Coordinator  
tcolley@health.usf.edu  

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

Description: This elective is designed to introduce senior students to the practice of neuroradiology, including computed tomography, magnetic resonance imaging, cerebral angiography, and other related procedures. Students will have the opportunity to attend neuroradiology lectures and multidisciplinary conferences at Tampa General Hospital.  

Objectives: On this elective, the medical student will obtain:  
1. An understanding of the indications for advanced neuroimaging (CT, MRI, CTA, MRA)  
2. A fundamental understanding of basic neuroimaging with respect to pertinent normal anatomy  
3. The ability to categorize and organize subdivisions of neuroimaging such as cerebrovascular, neoplasms, infection, etc.  
4. The ability to discuss the most common neuropathologic entities  
5. A basic understanding of technique and indications for cerebral angiography and other invasive procedures  

Rotation Activities: The student will review neuroimaging studies with neuroimaging faculty and diagnostic radiology housestaff at the USF Medical Center. Students will have a basic understanding of imaging diagnosis of neuropathology on computed tomography, and magnetic resonance imaging.  

Patient Encounters:  

Evaluation: Students are evaluated based on daily attendance and by a written evaluation at the end of the course.  

Syllabus:  

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

Special Instructions: Responsible of contacting the course director within the first 3 days of the rotation.
Contact: Colley
Medical Education Coordinator
tcolley@health.usf.edu

Report to: TGH J342 Office
Dr. Zwiebel/Dr. Davis

Description: Diagnostic and therapeutic methodologies in interventional radiology will be studied in this elective.

Objectives: The primary objective of this elective is to introduce the student to this specialized area of radiology.

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

Patient Encounters: Patient encounters will be part of the experience.

Evaluation: Attendance 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
Contact: Colley
Medical Education Coordinator
tcolley@health.usf.edu

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

Description: The elective is designed to introduce senior students to the practice of musculoskeletal imaging, including musculoskeletal imaging lectures and conferences at USF, Tampa General Hospital, and the H. Lee Moffitt Cancer Center.

Objectives: On this elective, the senior medical student will obtain:
1. An understanding of the indications for advanced musculoskeletal imaging (ultrasound, CT, arthrography, and MRI)
2. A fundamental understanding of basic musculoskeletal imaging with respect to pertinent normal anatomy in a musculoskeletal radiograph
3. The ability to categorize and organize subdivisions of musculoskeletal imaging such as rheumatology, neoplasm, infection, etc.
4. The ability to discuss the most common musculoskeletal pathologic entities
5. A basic understanding of technique and indications for arthrography, bone biopsy, and other invasive procedures

Rotation Activities:
The student will review musculoskeletal imaging studies with musculoskeletal imaging faculty at USF, Tampa General Hospital, and the H. Lee Moffitt Cancer Center.

Patient Encounters:
The student will work closely with the attending musculoskeletal radiologists and housestaff.

Evaluation:
The student will be assessed based on attendance, participation, and a written evaluation by the attending radiologists and housestaff.

Syllabus:

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

Special Instructions:

| Radiology | MEL 8704 Diagnostic Radiology | TGH 2-11 | Yr 4 Status | 7 | 5 | 40-44 | 4 | Hazelton, Todd | Clinical |
Contact: Tracy Colley  
Medical Education Coordinator  
tcolley@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 understanding of imaging algorithms and to provide a foundational knowledge of imaging techniques used in common clinical presentations.

Objectives:
1. Students will develop a basic understanding of radiation safety and the risks of radiation exposure to patients, and become familiar with methods used to reduce radiation doses.  
2. Students should be able to choose the radiologic test that is most appropriate for the most common clinical presentations encountered in medical practice.  
3. Regardless of their planned specialty, students should be able to recognize the following conditions on appropriate imaging studies: acute appendicitis, obstructive jaundice, meningioma, osteomyelitis, and shoulder dislocation.

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

Syllabus:

Patient Encounters:
The student will work closely with attending diagnostic radiologists and housestaff who will provide supervision and assessment.

Evaluation:
The student will be evaluated based on their performance in the rotation activities, patient encounters, and written examinations.

Special Instructions: N/A

Radiology  
LVH-CC  
MEL 8704 Diagnostic Radiology

Click here for additional course information

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<th>MEL 8704 Diagnostic Radiology</th>
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Contact:
Cody Donchez
Cody_A.Donchez@lvhn.org

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 o.

Objectives:
1. Students will develop an appreciation of the broad services a modern diagnostic radiology
   2. Students will be introduced to the concept of Appropriateness Criteria (as developed by th.
   3. Students can expect to observe and be taught to recognize common and life threatening co.

Rotation Activities: rotate through the following subspecialty areas of diagnostic radiology: plai

Patient Encounters:

Evaluation: Students will be evaluated based on feedback from the various attending radiologists who ha

Syllabus:

Visiting Students:

Special Instructions:

<table>
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<th>MEL 8707 Cardiothoracic Radiology</th>
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Contact: Colley
Medical Education Coordinator
tcolley@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 pulmo.
Objectives: On this elective, the medical student will obtain:

1. An understanding of the indications for advanced cardiothoracic imaging (HRCT of the lungs, CTA of the heart and lungs, and cardiovascular MRI)
2. A fundamental understanding of basic cardiothoracic imaging with respect to pertinent normal anatomy on cross-sectional imaging
3. The ability to discuss the most common pathologic entities of the chest
4. A basic understanding of technique and indications for imaging-guided biopsy and drainage procedures.

Rotation Activities: The student will review cardiothoracic imaging studies with faculty and diagnostic radiology.

Patient Encounters: The student will work closely with the attending radiologists and housestaff who will provide evaluation.

Syllabus:

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

Special Instructions: N/A

Radiology  
MEL 8711 Body Imaging  
TGH Yr 4 Status 2 0 40 2,4 Kedar, Rajendra Clinical

Contact: Colley  
Tracy Colley  
Medical Education Coordinator  
tcolley@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

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

Syllabus:

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

Special Instructions:

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<td>Berger, Alan Clinical</td>
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</table>

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

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

Description: Students will participate in the preoperative, intraoperative and postoperative care of patients.

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 patient load. The student will become familiar with work in the Non-Invasive Vascular Laboratory and Interventional Radiology.

Patient Encounters: Evaluation: Students will be evaluated based on their ward performance and oral examination.

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

| Surgery | MDE 8632 Cardiac Surgery | LVH-CC 1-11 | Yr 4 Status 1 | 0 | 60-70 | 4 | Misselbeck, Tim | Clinical |

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

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

Evaluations will be evaluated based on their ward performance.

**Syllabus:**

**Visiting Students:**

Visiting Lehigh Valley Network on VSAS.

**Special Instructions:**

Students will discuss personal goals with chair prior to start of rotation.

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**Surgery**

| MDE 8660 Plastic Surg Elective | LVH-CC | 1-11 | Yr 4 | Status | 1 | 0 | 60-70 | 2,4 | Stirparo, Joseph | 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: The service is oriented to trauma, facial, hand, cancer and cleft-palate surgery as well as reconstructive and cosmetic surgery. The service is provided on the East Allentown Campus.

**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.

Patient Encounters:

Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
Lehigh Valley Network
on VSAS.

Special Instructions:

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

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

Description:
The student will participate in a busy service with colon-rectal surgery residents. This rotation addresses common colorectal diseases, including 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:

Students will be evaluated based on their ward performance.

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

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</table>

Contact:
Heather Borgman
hborgman@health.usf.edu

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

Description:
This course is specifically designed to prepare students for surgical internship with a focus on the basic principles of surgical disease processes and common operations. It will be held at 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 in the postoperative patient.
5. Be able to recognize and treat common physiologic derangements and basic complications.
Rotation Activities:
Didactics in AM, Anatomy lab in PM

Patient Encounters:

Evaluations: Students must successfully complete each component of the course in order to receive a passing grade for the course. Laboratory - 10% Performance - 10% Research Project - 60% Weekly Quizzes - 20% Post test - 20% Total - 100%

Syllabus:

Visiting Students:

Special Instructions:

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

Contact: Heather Borgman
hborgman@health.usf.edu

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

Description: This elective provides the student the opportunity to participate in hands-on care of surgical patients during rounds, in the OR, clinic, and other settings. In addition, participation in conferences, didactic lectures and other teaching opportunities will be available.

Objectives: To give third year medical students exposure to surgical subspecialties they might not experience elsewhere.
Patient Encounters:

**Evaluation** will be based on clinical performance based by direct observation.

Syllabus:

Visiting Students:

Special Instructions:

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<th>Harrington, Michael</th>
<th>Clinical</th>
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</thead>
</table>

Contact:

Hailee Carroll

USF Plastic Surgery Residency Coordinator

haileecarroll@health.usf.edu

Report to:

Michael Harrington, MD

Plastic Surgery Department

Description:

This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients including 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
- Operating Room 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.

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Coordinators:
- Hailee Carroll
  USF Plastic Surgery Residency Coordinator
  haileecarroll@health.usf.edu

Ref: Paul Albear, MD
Plastic Surgery Department

Description:
This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients. Students also participate in the outpatient follow-up care of the patients. No night call is required.

Objectives:
Exposure to General Plastic Surgery, Cancer Reconstruction, Trauma, and Burn

Rotation Activities:
Operating Room and Clinics

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

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

Special Instructions: N/A
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</table>

**Contact:** Joseph Stirparo, MD

**Joseph_j.stirparo@lvhn.org**

**(610) 402-1350**

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

**Description:**
This elective provides the opportunity to participate in the active “hands-on” care of plastic surgery patients including the operating room. Students also participate in the outpatient follow-up care of the patients. No night call is required.

**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 for a variety of surgical procedures and disease states. Additional experiences are available in the regional burn center.

**Patient Encounters:**

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

**Syllabus:**

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

**Special Instructions:**
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 also see patients suffering from acute and chronic GI bleeding. In addition students will participate in the care of patients that have blunt and penetrating trauma.

Objectives:
1. Obtain a basic understanding of ATLS
2. Obtain a basic understanding of FAST
3. Identify life threatening acute traumatic injuries
4. Understand the psychosocial impact of traumatic injuries
5. Obtain a basic understanding of the pharmacology of pain management and its importance

Rotation Activities: As a member of the trauma team, students will participate in all endeavors and become conversant in the initial resuscitation and the care of the patient in the critical care and post-operative aspects of the surgical patients. At least a 1-week rotation on nights will be required.

Patient Encounters: Students will be evaluated based on their clinical performance.

Syllabus:

Visiting Students:DV
Lehigh Valley Network
on VSAS.

Special Instructions: N/A

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</table>
Course Information

Contact: Heather Borgman
hborgman@health.usf.edu

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

Description: Students electing this course will work with the residents and faculty in the Division of Trauma in the surgical ICU, assisting with the care of patients who have severe bleeding from trauma, GI bleeding. In addition students will participate in the care of patients that have blunt and penetrating 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 evaluation and resuscitation of the trauma patient. Students will be exposed to the 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: Yes. Apply via USF Health Morsani College of Medicine on VSAS.

Special Instructions: N/A
Description:

This intensive elective is designed for the fourth year medical students who has a desire to enter a general surgery residency. The elective will provide students with hands-on experience in various surgical skills and procedures.

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 provide students with advanced surgical skills and prepare them for entering first year clinical experiences in surgical fields. Students will participate in various surgical procedures. Simulation activities include suture and knot tying, basic laparoscopy, and emergent bedside procedures.

Patient Encounters:

Evaluation:

Students will be evaluated based on their clinical performance and 1-2 oral presentations.

Syllabus:

Visiting Students:

No

Special Instructions:

N/A

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 focus on emergency and trauma surgery, allowing students to gain hands-on experience in the operating room and ICU. Students will also receive instruction on managing patients on the floor and ICU and 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

USFMS 9 Yr 4 Status 15 0 60-70 4 Sanchez, Jaime Clinical
3. Develop an advanced understanding of surgical treatment options and alternatives for surgical diseases
4. Be able to recognize and treat immediate life threatening conditions
5. Improve their ability to treat and relieve pain and suffering

Rotation Activities:
Didactics and simulation sessions at CAMLS

Patient Encounters:

Evaluation:
Students will be evaluated based on laboratory performance, a final simulation exam, and attendance. Students will receive feedback throughout the rotation. 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

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Contact:
Heather Borgman
hborgman@health.usf.edu

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

Description:
This elective will provide the student with the opportunity to function as a sub-intern. Students will assist with the care of pediatric patients in the inpatient and outpatient setting. In addition, participation in conferences, didactic lectures, and other teaching opportunities will be available.

Objectives:
The objective of this course is a broad exposure to pediatric surgery. This will involve hands-on care of the pediatric patient. Night duty will be on an on call basis in association with the residents rotating through the service.

Rotation Activities:
In-patient and out-patient

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

**Syllabus:**

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

**Special Instructions:**
N/A

---

**Contact:**
Heather Borgman
hborgman@health.usf.edu

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

**Description:**
The elective is designed to offer students active participation in organ procurement, preservation of kidneys and livers, and understanding of the role of organ sharing networks.

**Objectives:**
Students will receive an overview of all aspects involved in liver and renal transplantation, from donor identification through clinical transplantation and long-term follow-up.

**Rotation Activities:**
Students will work under the direct supervision of the Director of Transplant Surgery, LifeLink Transplantation... and experience in the area of transplantation immunology, tissue typing, and the concepts of histocompatibility antigens.

**Patient Encounters:**
Students will be directly involved with the evaluation and work up of possible renal and liver transplant recipients... patients, which includes the identification, management, and treatment of infections, and rejection complications.

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

**Syllabus:**

**Visiting Students:**
No

**Special Instructions:**
N/A

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**Surgery**
MEL 7819
Surgical Transplant Elective

**TGH**
1-10

**Yr 4**
1 0 60-70

**Status**
4

**Bowers, Victor**
Clinical
Surgery

Elective

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

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

Description: This elective is designed to offer students active participation in organ procurement, the harvest and preservation of kidneys and livers, and an understanding of the role of the organ sharing networks.

Objectives: Students will receive an overview of all aspects involved in liver and renal transplantation, from donor identification through clinical transplantation and long term follow up.

Rotation Activities: Students will work under the direct supervision of the Director of Transplant Surgery, LifeLink Transplantation...

Patient Encounters: Students will be directly involved with the evaluation and work up of possible renal and liver 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: Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

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Surgery

Advanced Surgical Intensive Care

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

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

Description: This elective is designed to offer students active participation in organ procurement, the harvest 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...

Patient Encounters: Students will be directly involved with the evaluation and work up of possible renal and liver 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: Yes. Apply via Lehigh Valley Network on VSAS.

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

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

Description:
This is a clinical rotation that includes graded responsibility, as well as regular formal instruction in techniques of critical care. It will be assigned primarily to the unit at LVHN-Cedar Crest with the possibility of occasional visits to other sites.

Objectives:
1. Describe common surgical complications, preoperative preparation of the complex surgical patient, and practical application of hemodynamic monitoring
2. Analyze the acute phase response patients undergo with respect to their disease processes
3. Examine pulmonary artery catheterization, placement of central venous catheters, and modalities of parenteral and enteral nutrition

Rotation Activities:
Inpatient rotation assisting a dedicated team provide surgical critical care to patients with critical illnesses. Focus will be on basic principles of critical care including sedation, pain control, ventilator management and management of shock states.

Patient Encounters:

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

Syllabus:

Visiting Students:
Lehigh Valley Network on VSAS.

Special Instructions:

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</tr>
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</table>

Contact:
Hailee Carroll
haileecarroll@health.usf.edu

Report to:
Description:
Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the Vascular Surgery Service personnel to provide patient care. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.

Objectives:
This rotation should provide the student with a broad exposure to clinical presentation, diagnosis, treatment, and follow-up of patients with vascular disease.

Rotation Activities:
Operating room and clinics

Patient Encounters:

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

Syllabus:

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

Special Instructions:
N/A

Surgery
MEL 7328
Vascular Surgery AI

LVH-CC
1-11
Yr 4
Status 1 0 60-70 4 Berger, Alan
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. 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, diagnosis, treatment, and follow-up of patients with vascular disease.
Rotation Activities:

Students will participate in clinical care involving the Vascular Surgery Service. The student will work closely with the attending physician and will be involved in cases that involve vascular access, carotid endarterectomy, and femoral-popliteal bypass. Interpretation of physiologic data relative to angiographic findings and clinical symptoms will be emphasized.

Patient Encounters:

Evaluation:

Students will be evaluated based on their ward performance and oral examination.

Syllabus:

Visiting Students:

Yes. Apply via Lehigh Valley Network on VSAS.

Special Instructions:

Visiting Students: Lehigh Valley Network on VSAS.

Special Instructions:

Surgery

<table>
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<tbody>
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<td>USFMS 1-10 Surg Care 1 0 44 4 Shame's, Murray Research</td>
</tr>
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</table>

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. Exposure to vascular diagnosis and research on fundamental problems in vascular disease

Objectives:

This elective provides the student with an opportunity to have hands-on experience with inst.

Patient Encounters:

Evaluation:

Students will be evaluated based on their laboratory performance and an oral presentation at

Syllabus:
### Visiting Students:

- Yes.

### Apply via

- USF Health Morsani College of Medicine on VSAS.

### Special Instructions:

- N/A

### Contact:

- Heather Borgman
- hborgman@health.usf.edu

### Report to:

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

### Description:

Students may choose to participate on the Gold Surgery, Colorectal Surgery, Bariatric, or JAHVA general surgery services. The goal is to expose the senior student to the role of a surgical intern and to afford the student an in-depth experience in total patient management so that these responsibilities may be assumed with confidence in the internship year.

### Objectives:

1. To expose the senior student to the role of a surgical intern
2. To afford the student an in-depth experience in total patient management so these responsibilities may be assumed with confidence in the internship year.

### Rotation Activities:

Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various other conferences. The student will participate in patient management on the floor, which will include procedures such as lines and tubes. Operating room experience will also be extensive.

### Patient Encounters:

Students will be evaluated based on their ward performance.

### Syllabus:

Visiting Students:

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

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<th>Clinical</th>
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Contact: Heather Borgman
hborgman@health.usf.edu

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

Description: Students may choose to participate on the Gold Surgery, Colorectal Surgery, Bariatric, or JAHVA general surgery services. The rotation will provide exposure to some of the aspects of general surgery practice and will permit students to learn perioperative aspects of surgery. The Rotations will expose the senior student to the role of a surgical intern.

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. Students will be required to participate in Total Hip replacement, laparoscopic appendectomy, cholecystectomy, thyroidectomy, etc with appropriate supervision. Operating room experience will also be extensive.

Patient Encounters:

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

Syllabus:

Visiting Students:

Special Instructions:
N/A
Report to: will be provided one week prior to the start of the rotation

Description: Students may choose to participate on the several services. On these services, the student is expected to function as a basic team member in addition to the general surgery team. The student will have the opportunity to function as a primary contact in total patient management so that these responsibilities may be assumed with confidence in the internship year.

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

Rotation Activities: Attendance will be required at Grand Rounds, Morbidity, and Mortality Conference, and various rounds.

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:

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<th>Surgery</th>
<th>MEL 7320S Externship - Surgery</th>
<th>EXT 1-7 Yr 4 Status</th>
<th>No Limit 0</th>
<th>60-70</th>
<th>4</th>
<th>Faculty Externship</th>
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<td>MEL 9999S Indep Study - Surgery</td>
<td>USFMS or LVHN 1-10</td>
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<td>LVH-CC 1 - 11 Yr 4 Status</td>
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<td>0</td>
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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

The objectives of this rotation are to provide exposure to the field of Urology as a background... will participate in the pre-operative work-up of urological patients. Students will lea...

Students will be evaluated based on their ward performance and oral examination.

Students will be evaluated based on their ward performance and oral examination.

Visiting Students:

Syllabus:

Clinical

Urology

MEL 7822 Clinical Urology AI

TGH MCC /VA

1 - 6 Yr 4 Status

4 0 50-70 4

Lockhart, Jorge

Contact:

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

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

Description:

The Department of Urology provides comprehensive, urologic patient-oriented care with concern for quality of life and...

Objectives:

The objectives of this rotation are to provide exposure to the field of Urology as a background.

Rotation Activities:

Students will participate in the pre-operative work-up of urological patients. Students will lea...

Patient Encounters:

Evaluation:

Students will be evaluated based on their ward performance and oral examination.

Syllabus:

Visiting Students:

Special Instructions:

N/A

Contact:

Edyth Roberts
erobert@health.usf.edu
(813) 974-2445

TGH/MCC/VA

1 - 6 Yr 4 Status

4 0 50-70 4

Lockhart, Jorge

Clinical
Dr. Justin Parker  
jparker1@health.usf.edu

Report 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 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 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 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 the principles of clinical management and management of urological patients. Students will attend the weekly educational conference for urology residents and faculty prior to the completion of their rotation.

Patient Encounters: Students will be evaluated based on their ward performance and oral examination.

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

Special Instructions: