

# Visiting Student Clinical Rotations 2022-2023

*Visiting students will be considered for clinical rotations on a space available basis. Questions about availability will not be answered until a full-application is received by the Registrar's Office.*

## Clinical Academic Calendar

2022-2023					
Block Name	Date Range	Last Day to Submit Completed Application	Block Name	Date Range	Last Day to Submit Completed Application
MV	06/06 – 07/03	April 11, 2022	MP	11/21 - 12/18	September 26, 2022
MJ	07/04 – 07/31	May 9, 2022	MQ	01/02 – 01/29	November 7, 2022
MK	08/01 - 08/28	June 6, 2022	MR	01/30 – 02/26	December 5, 2022
ML	08/29 – 9/25	July 4, 2022	MS	No rotations offered	
MM	09/26 - 10/23	August 1, 2022	MT	04/10 - 05/07	February 14, 2023
MN	10/24 - 11/20	August 29, 2022			

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## Visiting Student Elective Course Guide

All clinical rotations are 4-weeks long and 3 credits and graded on a tiered clinical grading scale (unless otherwise noted): H (Honors), HP (High Pass), P (Pass), or F (Fail)

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### **ANESTHESIOLOGY**

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#### ANES 401: General Anesthesia Sub-Internship

This comprehensive course introduces the medical student to preoperative evaluation, intraoperative, and postoperative anesthesia management of surgical patients. Emphasis is placed on the principles of anesthesia, physiology of various organ systems, anesthetic pharmacology and hemodynamic monitoring. The medical student works as a member of the anesthesia care team, interacting with staff anesthesiologists and residents. The last week of course can be spent in the subspecialty of the student's choice, i.e. cardiac, neurosurgery, obstetrics anesthesia, etc. [4 weeks, 3 credits]

*2022-2023: ML, MM, MN, MP, MQ, MR*

#### ANES 402: Regional Anesthesia

This course introduces medical students to the different applications of regional anesthesia techniques for intraoperative and postoperative patient management. Students work as a member of the anesthesia care team with staff anesthesiologists, fellows and residents. They get exposure to a variety of regional techniques and their surgical applications. Basics of ultrasound are taught. Hands-on experience with performing nerve blocks on phantom models are provided. Students are expected to make a 10-15 minute oral presentation on a relevant topic during their last week of the course. [4 weeks, 3 credits]

*2022-2023: ML, MM, MN, MP, MQ, MR*

### ANES 403: Acute Pain Management

Students in this course are a member of the pain management team and apply the principles of evaluation of patients with acute and chronic pain syndromes. Time will be spent in the postoperative acute pain service. Teaching stresses the need for a complex, multidisciplinary approach to pain problems. The course is useful for students planning a career in anesthesia as well as those who will encounter patients with chronic pain syndromes in family medicine, internal medicine, and surgical practices. [4 weeks, 3 credits]

2022-2023: *ML, MM, MN, MP, MQ, MR*

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## **DERMATOLOGY**

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### DERM 401: Dermatology Subinternship

This clerkship includes examination and treatment of patients in the outpatient department, PowerPoint presentations of common skin diseases, conferences on dermatologic literature, and consultation service on inpatients. A formal presentation at the end of the clerkship will be required. [4 weeks, 3 credits]

2022-2023: *Available all Blocks*

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## **EMERGENCY MEDICINE**

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### EMRG 401: Emergency Medicine Sub Internship

The Department of Emergency Medicine of the Sidney Kimmel College of Medicine at Thomas Jefferson University is excited to welcome you to the Emergency Medicine Sub-Internship. The EM Sub-I is intended for students pursuing or seriously considering a career in Emergency Medicine. The Sub-I is four (4) weeks in duration and is offered twelve (12) times across the academic year. Students rotating in our Emergency Departments are expected to become part of a complex, interprofessional team that provides the highest quality unscheduled health care to all our visitors, 24 hours a day, 7 days a week, 365 days a year. [4 weeks, 3 credits]

2022-2023: *MJ, MK, ML, MM*

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## **NEUROLOGY**

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### NEUR 431: Advanced Neurology

The Advanced Neurology Course is an elective course for students to explore a wide-range of advanced topics as a baseline framework for a potential future career in Neurology. The student will build their schedule by selecting from six course options: Multispecialty Outpatient Clinics, Epilepsy Monitoring Unit, Neurocritical Care at the Jefferson Hospital for Neuroscience (JHN), Night-float at Gibbon or JHN (rotating with the consult resident), Jefferson Northeast Consult Service (staffed by Neurology Department Faculty), or Inpatient Headache Service at Methodist (staffed by Neurology) [4 weeks, 3 credits]

2022-2023: *MT*

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## **NEURLOGICAL SURGERY**

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### NSRG 401: Neurosurgery Subinternship

Students participate in the inpatient service activities as well as outpatient sessions. They are responsible for history taking and physical examinations. Special emphasis is placed upon the neurological examination. The student participates in diagnostic studies and their interpretation, as well as rounds, conferences, and operative procedures. Individual students may elect to attain specific knowledge goals within this field, and

a faculty member is assigned in consultation. The student will have scheduled meetings with the clerkship director reviewing the basics of the neurological examination as it pertains to the field of Neurological Surgery. Upon topic review with Dr. Tjoumakaris, students will review a topic and write a brief presentation following evidence-based data research. Students will attend office hours once or twice a week, with attendings from the different Neurosurgery divisions. [4 weeks, 3 credits]

*2022-2023: All blocks*

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## **OBSTETRICS AND GYNECOLOGY**

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### **OBGY 402: Outpatient Subinternship**

The purpose of this course is to further develop skills in diagnosis and management of common gynecologic and obstetric complaints. At the end of the course, students should feel comfortable performing a concise history and physical exam for both problem and routine visits. The physical exam should include both a breast and pelvic exam. Students will be capable of collecting specimens, performing office tests and interpreting the results. Lastly, students will create a management plan and document all findings in the medical record. [4 weeks, 3 credits]

*2022-2023: Available all blocks*

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## **OPHTHALMOLOGY**

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### **OPTH 401: Ophthalmology Senior Elective @ Wills Eye**

The clerkship in ophthalmology is clinically oriented with emphasis placed upon examination techniques and the diagnosis and treatment of common eye problems. The student participates in all activities of the Department of Ophthalmology, including conferences, the emergency room, the operating room, and outpatient care services. A multiple choice test is given at the conclusion of the clerkship. [4 weeks, 3 credits]

*2022-2023: Available all blocks*

### **OPTH 407: Ocular Pathology @ Wills Eye**

This course is designed to familiarize the student with ocular structure, microscopic anatomy, and the basic principles of ocular disease. The student will participate in the daily activity of the ocular pathology laboratory as well as study from a slide set of common ocular conditions. The course is limited to those interested in Ophthalmology. A written test is given at the conclusion of the clerkship. [4 weeks, 3 credits]

*2022-2023: Available all blocks*

### **OPTH 482: Pediatric Ophthalmology @ Wills Eye**

A comprehensive experience in pediatric ophthalmology and strabismus including direct patient care in the clinic setting and surgical observation. Students will be exposed to all aspects of the specialty, attend didactic sessions and case conferences, and have the opportunity to write case report for publication if desired. [4 weeks, 3 credits]

*2022-2023: Available all blocks*

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## **ORTHOPAEDICS**

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### **ORTH 401 Orthopaedic Surgery Subinternship @ Rothman Orthopedics in Philadelphia**

This is a fourth year elective designed for medical students interested in pursuing a career in Orthopaedic Surgery. It is an intensive sub internship style experience. The student will rotate on 2 Orthopaedic specialties which may include spine, joints, shoulder, hand, foot and ankle, sports, trauma or oncology, over the course of the 4 week block. Students will be assigned to a chief resident "mentor" who will be responsible for following the students during the two-week sub-rotation. Under the direction of the chief resident, the student will rotate through the operating room and office hours with various attendings. They will also be given the opportunity to participate and help manage patients and general inpatient work with the junior

residents. [4 weeks, 3 credits]

2022-2023: MK, ML, MM, MN

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## OTOLARYNGOLOGY

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### OTOL 401: Otolaryngology Subinternship

Students are assigned to the Otolaryngology Service at Thomas Jefferson University Hospital for a four week block. They have an opportunity to work with each of the attendings, attend surgery, work in the outpatient clinics, make rounds on a daily basis, participate in Grand Rounds and go to teaching conferences which are held on a regular basis on Wednesdays. Students attend a series of clinical conferences on the various aspects of otolaryngology and outpatient clinics where they are instructed in history taking, physical examination, differential diagnosis and a course of management. They write progress notes and orders which are reviewed and signed by resident faculty. Elective students are treated as though they were junior interns. [4 weeks, 3 credits]

2022-2023: Available all Blocks

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## PATHOLOGY

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### PATH 401: General Pathology

The course consists of theoretical and practical applications of specific areas in Pathology. The course is delivered in a hybrid online and in-person format. The student will be given multiple online modules using the Canvas platform in anatomic and clinical pathology. The in-person component will consist of Surgical Pathology and Autopsy. Depending on availability, there may be other in-person learning opportunities in other areas of pathology. [4 weeks, 3 credits]

2022-2023: MV, MK, ML, MM, MN, MP, MQ, MR, MT

### PATH 402: Hematopathology

This course is an elective that may be taken by senior students who plan to pursue a future career in pathology or hematology/oncology. The approval for this elective is at the discretion of course director. The student must send an email to the course director about their interest in the field of pathology/hematopathology or Hematology/Oncology. The course is open for all three options including: in-person (preferable), hybrid, as well as virtual. The hybrid and virtual options are for those situations when we have too many trainees rotating at one time. This course satisfies the advanced basic science elective in the fourth-year curriculum. This four-week course allows students to participate in the daily activities of the Hematopathology section of the department. Students develop a better understanding of pathophysiology, morphology, and clinical features of hematologic disorders. A number of departmental and interdepartmental teaching and patient conferences are available for student attendance. Evaluation is based on student attendance and participation, as well as an end of rotation clinical case presentation. [4 weeks, 3 credits]

2022-2023: MV, MK, ML, MM, MN, MP, MQ, MR, MT

### PATH 404: Postmortem Pathology

Students in this course will observe and assist in at least one full adult autopsy, develop an appreciation for the correlation of clinical and pathologic findings, improve ability to interpret radiologic and laboratory data in light of pathologic findings, and review general anatomy. Students will attend and participate in the activities of the autopsy service, assist the resident(s) during autopsy, assist the resident(s) with data collection and research, attend microscopic sign-out of all cases reviewed during the week, and use free time to review basic anatomy and histology, using books and slide sets available from the Chief Resident. At the end of this course, students will present an interesting autopsy as a 10-minute PowerPoint presentation. [4 weeks, credits]

2022-2023: ML, MP, MQ, MR, MT

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## **RADIATION ONCOLOGY**

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### **RONM 401: Subinternship in Radiation Oncology**

The goal of this four-week course is for students to learn the fundamentals of radiation oncology. Students can use this rotation as an opportunity to explore the specialty as a possible career choice. Students interested in gaining a deeper understanding of oncology care but not planning to pursue radiation oncology will find this course useful to understand radiation oncology as a specialty and therefore better be able to coordinate and deliver optimal multi-disciplinary care and counsel future patients. Students are assigned to one faculty member each day with whom they will see patients. During the course, students will be expected to work-up patients, perform physical exams, and present cases to faculty. Students will be exposed to treatment planning, simulations, and treatment deliveries throughout the course. [4 weeks, 3 credits]

*2022-2023: Available all blocks*

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## **RADIOLOGY**

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### **RAD 401: Diagnostic Radiology**

Students attend didactic lectures that include a radiology core curriculum and subspecialty introductory lectures in chest, cardiac, abdominal, musculoskeletal, computed tomography, ultrasound, MRI, interventional radiology, neuroradiology, mammography, nuclear medicine, physics, and pediatric radiology. Students participate in a variety of exercises with partners, in groups or teams to reinforce learning. This includes a hands-on Ultrasound Workshop, where students scan each other. Students also participate in image interpretation sessions with attending radiologists, residents and fellows during clinical rotations in Musculoskeletal, Fluoroscopy, Body CT, Ultrasound, Interventional Radiology, Mammography, and Nuclear Medicine. Students learn appropriateness criteria for ordering diagnostic imaging studies and have various case discussions concerning optimal imaging utilization. There is a midterm quiz and a final examination, both of which include image interpretation. The final grade is based on test scores, assignments, and class participation. [4 weeks, 3 credits]

*2022-2023: MV, ML, MM, MQ, MR*

### **RAD 407: Interventional Radiology**

The fourth year elective in Interventional Radiology is designed to expose students to the wide range of minimally invasive procedures performed by interventional radiologists. Students will actively participate in procedures as well as be involved in the pre and post procedure management of patients. By the end of the month, students will have gained an understanding of the indications, contraindications, risks and benefits of procedures as well as the role of interventional radiologists in the management of both critically ill and non-critically ill patients. Students will be integrated into the interventional radiology team by participating in morning rounds, procedures and clinics. During the rotation, students are expected to give two short case presentations on patients with disease topics of interest. By the end of the month, students will have a better understanding of both the diagnostic and therapeutic capabilities of the Interventional Radiology division. [4 weeks, 3 credits]

*2022-2023: Available all Blocks*

### **RAD 408: Musculoskeletal Radiology**

Students will be exposed to musculoskeletal disorders through radiography, CT, MRI, and image guided MSK interventional procedures. They will enhance their knowledge of the musculoskeletal anatomy, physiology and pathology through imaging. Students will participate in read outs with the MSK faculty, attend conferences and review materials for self-study. Students will be expected to present a case at the end of the elective. [4 weeks, 3 credits]

*2022-2023: Available all Blocks*

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## **REHABILITATION MEDICINE**

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### **RHAB 401: Senior Elective in Rehabilitation Medicine**

This is a full-time practical experience in evaluation, diagnosis, and management of people with physical disability, including those with complicated medical problems. The goal of this rotation is enable those who complete the elective to describe the scope of the practice of Physical Medicine and Rehabilitation (PM&R) through providing a wide exposure to PM&R. Coequal is the goal of full utilization of all the health team members needed to accomplish the functional goals of the patient. In addition, the medical student will learn to effectively interact with people with severe disability in a hope-engendering manner and understand the wide ranging effects of life altering functional disability. Under the direct supervision of the attending staff and house staff within the Department of Rehabilitation Medicine, the student actively participates in daily work rounds and teaching rounds, as well as all departmental teaching conferences. [4 weeks, 3 credits]

*2022-2023: Available MK, ML, MM, MN, MP, MQ*

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## **SURGERY**

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### **SURG 452: General Surgery**

During the clerkship, students participate in preoperative and postoperative care of surgical patients, as well as participating in the operative procedures themselves. The students are considered an integral part of the surgical team at a more advanced level than the core surgical clerkships (Surgery 350). Clinical x-ray and pathology conferences, ward rounds, and teaching seminars form the basis for surgical instruction outside the operating room. Assumption of graduated individual responsibility is encouraged. As sub-interns, students are responsible to their resident team as well as attendings. [4 weeks, 3 credits]

*2022-2023: MM, MN, MP*

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## **UROLOGY**

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### **UROL 401: Senior Elective in Urology**

Students receive an in-depth exposure to principles of urologic diagnosis and actively function as a house officer in the operating room, clinical office hours, and with inpatients. Both surgical and nonsurgical approaches to urologic disease are emphasized with a presentation of underlying mechanisms of urologic disease. In this rotation, students are welcome to attend all conferences, journal club, and resident didactic sessions. They are encouraged to participate in case presentations during urology grand rounds. During this rotation, students are offered a broad range of practical and didactic opportunities. An oral presentation is required at the end of the rotation in a Grand Rounds setting. [4 weeks, 3 credits]

*2022-2023: MV, MJ, MK, ML, MM, MN*

### **UROL 430: Advanced Topics in Urology**

This is a fully online course and no travel to Jefferson is needed. Students will be exposed to general and specialty-specific urologic conditions along with evaluation, diagnosis, and treatment. All learning will be done virtually through lecture and case reports. Recorded surgical videos that are specific to the learning modules will be supplied. The curriculum will be available through Canvas. Assessment will be via discussion board prompts, for which a grading rubric will be supplied, and multiple choice questions specific to each module. Students will be asked to participate in virtual conferences within the Urology Department, including weekly Pathology Tumor Board and Grand Rounds. Weekly lectures over a Zoom platform will be given by Urology faculty. Graded: P/F. [4 weeks, 3 credits]

*2022-2023: MV, MJ, MK, ML, MM, MN*

Department	Courses	MV	MJ	MK	ML	MM	MN	MP	MQ	MR	MT
<b>Anesthesiology</b>	ANES 401: General Anesthesia Sub-	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO
	ANES 402: Regional Anesthesia	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO
	ANES 403: Acute Pain Management	NO	NO	NO	YES	YES	YES	YES	YES	YES	NO
<b>Dermatology</b>	DERM 401: Dermatology Subinternship	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>Emergency Medicine</b>	EMRG 401: Emergency Medicine	NO	YES	YES	YES	YES	NO	NO	NO	NO	NO
<b>Neurology</b>	NEUR 431: Advanced Neurology	NO	NO	NO	NO	NO	NO	NO	NO	NO	YES
<b>Neurological Surgery</b>	NSRG 401: Neurosurgery Subinternship	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>OB/GYN</b>	OBGY 402: Outpatient Subinternship	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>Ophthalmology</b>	OPTH 401: Ophthalmology Senior Elective	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
	@ Wills Eye	OPTH 407: Ocular Pathology	YES	YES	YES	YES	YES	YES	YES	YES	YES
		OPTH 482: Pediatric Ophthalmology	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>Orthopedics</b>	ORTH 401: Orthopaedic Surgery Sub-I	NO	NO	YES	YES	YES	YES	NO	NO	NO	NO
<b>Otolaryngology</b>	OTOL 401: Otolaryngology Subinternship	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>Pathology</b>	PATH 401: General Pathology	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES
		PATH 402: Hematopathology	YES	NO	YES	YES	YES	YES	YES	YES	YES
		PATH 404: Postmortem Pathology	NO	NO	NO	YES	NO	NO	YES	YES	YES
<b>Rehab. Medicine</b>	REHAB 401: Senior Elective in Rehabilitation Medicine	NO	NO	YES	YES	YES	YES	YES	YES	NO	NO
<b>Radiation Oncology</b>	RONM 401: Sub-I in Radiation Oncology	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>Radiology</b>	RAD 401: Diagnostic Radiology	YES	NO	NO	YES	YES	NO	NO	YES	YES	NO
		RAD 407: Interventional Radiology	YES	YES	YES	YES	YES	YES	YES	YES	YES
		RAD 408: Musculoskeletal Radiology	YES	YES	YES	YES	YES	YES	YES	YES	YES
<b>Surgery</b>	SURG 452: General Surgery	NO	NO	NO	NO	YES	YES	YES	NO	NO	NO
<b>Urology</b>	UROL 401: Senior Elective in Urology	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO
		UROL 430: Advanced Topics in Urology	YES	YES	YES	YES	YES	YES	NO	NO	NO

*Note: Departments not listed in this guide are not accepting Visiting Students for 2022-2023*