

**International Clinical Elective Program
APPLICANT INFORMATION**

[Revised July 2021]

Please complete the following form below. If you have any questions regarding this application, please contact Genevieve McKenna, gmckenna94@gwu.edu.

Applications due **October 1st** for an elective rotation in **January through May**

Applications due **April 1st** for an elective rotation in **July through December**

PERSONAL INFORMATION

Name (First, Middle, Last): _____

Date of Birth (MM/DD/YYYY): _____ Email Address: _____

Home Phone: _____ Cell Phone: _____

Permanent Address: _____

Permanent City: _____ Permanent Country: _____

Permanent Zip Code: _____ Country of Citizenship: _____

If you hold US Permanent Residency or U.S. Citizenship, indicate that here: _____

LANGUAGE PROFICIENCY

Beginner – Can fulfill the basic needs in a language, such as ordering meals, asking time, and asking for directions.

Limited – Can fulfill routine social demands, such as small talk about one’s self, one’s family, and current events.

Intermediate – Can discuss a variety of topics with ease and almost completely understand what others are saying

Advanced – Can participate in all manners of conversations with ease and only rarely makes grammatical mistakes.

Fluent – Can use the language the way an educated native speaker of the language would.

First Language: _____

Proficiency: ___ Beginner ___ Limited ___ Intermediate ___ Advanced ___ Fluent

Second Language: _____

Proficiency: ___ Beginner ___ Limited ___ Intermediate ___ Advanced ___ Fluent

Third Language: _____

Proficiency: ___ Beginner ___ Limited ___ Intermediate ___ Advanced ___ Fluent

EDUCATION AND EXPERIENCE

Name of home university: _____

Expected graduation date: _____

Have you completed an international clinical elective elsewhere? ___ Yes ___ No

If so, please state the country and university/hospital: _____

Have you studied outside your home country previously? ___ Yes ___ No

If so, please state the country, institution, and subject studied: _____

Are you interested in applying to residency in the United States? ___ Yes ___ No

CLINICAL PREFERENCE

For this section, identify three clinical departments and the course numbers in descending order of preference. Reference the **Visiting Student Course Catalog and GW Rotation Block Calendar** provided by the Office of International Medicine Programs for course names, numbers, and descriptions. Please understand that reasonable effort will be made to accommodate your preference, however, preferences are not guaranteed (see ICEP Student Agreement).

First Course Name: _____

First Course Number: _____ Preferred Rotation Block: _____

Second Course Name: _____

Second Course Number: _____ Preferred Rotation Block: _____

Third Course Name: _____

Third Course Number: _____ Preferred Rotation Block: _____

Along with your completed application form, please include the following:

- **Curriculum Vitae** - English version
- **Personal Statement** – Outlining your goals and objectives for your rotation at the George Washington University as well as your long-term career goals
- **University Transcripts** – English version
- **Two Letters of Recommendation** from your faculty members
- **Letter of Good Standing** from your Dean’s Office
- **Student Verification form** (attached) and completed by your Dean’s Office
- **Passport and U.S. Visa** (if needed)
- **Signed ICEP Student Agreement** (attached)

**International Clinical Elective Program
STUDENT VERIFICATION**

[Revised July 2021]

The following must be completed by the Dean's Office of the applicant's university. Please contact Genevieve McKenna, gmckenna94@gwu.edu, with any questions.

The student listed below is registered in the MBBS or MD program. He/she is in good academic standing at the listed medical school and has permission to study in the George Washington University clinical elective program.

Student Name: _____

Medical School: _____

The student's overall academic standing is:

Excellent Very Good Good Fair

Is the student covered by health insurance for the duration of his/her elective in Washington, DC?

Yes, the student is covered by health insurance for the duration of the elective.

No, the student is responsible for purchasing health insurance for the duration of the elective.

I, _____, certify that the following required core rotations have been completed by the above mentioned student, so that he/she may participate in the International Clinical Electives Program at the George Washington University. Please check YES or NO. University transcripts must be submitted by the student as part of the application process.

Anesthesiology	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Clinical Neuroscience	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Emergency Medicine	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Medicine and Subspecialties	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Obstetrics and Gynecology	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Pediatrics and Subspecialties	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Psychiatry	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Surgery and Surgical Specialties	<input type="checkbox"/> YES	<input type="checkbox"/> NO

Please affix school seal here

Dean's Name and Title: _____

Dean's Signature: _____

Date: _____

International Clinical Electives Program
Student Information
[Updated in December 2019]

Dear International Medical Student,

Welcome to your clinical rotation at the George Washington University, School of Medicine and Health Sciences. We appreciate your interest in our International Clinical Electives Program, and we hope you will enjoy and benefit from this experience. We would like to take this opportunity to provide some background that you may find useful as you begin your learning experience with us at GW. **Please note that we are sending to your faculty mentor [attending (consultant) physician or resident] much of the same information you are about to read.** While the majority of our faculty members at GW are very experienced in teaching international students and residents, we make every effort to keep both students and faculty fully informed.

First, almost all other countries but Canada use the British/European medical school system of 6 years following high school, without an undergraduate experience or degree. Thus your first two years are more or less equivalent to the two years' (worth) of pre-medical courses in the American undergraduate education. Your third and fourth years are equivalent to our first two medical school years of basic science. Your fifth and sixth years are thus equivalent to our third and fourth year medical school clinical rotations respectively. When you come for your international elective, you are typically in your sixth year which is like our 4th and final year of medical school. International students will be generally a bit younger and less experienced overall than American counterparts because of the lack of the four year college experience. On the other hand, the didactic programs at your home university in the fifth and sixth years are very strong, and international students will generally have very strong knowledge bases.

Second, international medical students are to be treated exactly as are our own GW students, with the same hands-on experience, responsibility and general accountability. You are NOT just observers. However, the reason international students come to us is to experience things you might not be as familiar with at your home institution, specifically the team approach to daily patient care, the direct interaction between student and faculty, the responsibility of rounding, oral and written case presentation, night and weekend call, participation in all academic activities such as: conferences, lectures, grand rounds etc. Therefore, you may be less strong in these areas than our own students of similar level (your 5= our 3; your 6= our 4). You are urged to participate as much as possible in the same way as your GW counterparts. Our faculty members are encouraged to help you in developing these clinical skills, as you are expected to do.

An area that may be challenging is our IT system at the GW Hospital and MFA (Outpatient Clinic). These can be daunting to anyone, let alone an international visitor with only 30 or 60 days to learn a lot. Please ask GW residents or staff to help when they can. Most international students pick this up quickly and do well. If the IT issues appear to be unduly challenging, please let our office know ASAP so we may provide additional assistance and support.

The following are IMP Expectations of our international students:

Attendance:

- All activities presented to visiting students such as: conferences, grand rounds, lectures symposiums, etc are mandatory and students should make every effort to be a good team member and attend these events. Attendance may be recorded.
- There are certain activities which can be allowed to take priority over your clinical rotation. These are called acceptable conflicts, which include: USMLE exam(s); GW optional/official holidays or sickness. The IMP Senior Education Specialist, with the assistance of Course Directors and Coordinators in your specific specialty department will be tracking all activities.
- If you have an acceptable conflict you must notify your attending (consultant) physician or resident, instructor or the IMP office ahead of time. If there are any specific assignments given to you to complete, you should discuss with your attending (consultant) physician or resident how to make up any work missed. Notify the attending (consultant) physician, course coordinator and, most importantly, the IMP office, if you will be missing days for any reason or if you have to return to your home country for emergency purposes.
- Students will be expected to use best efforts, judgment and diligence in fulfilling the duties, tasks responsibilities and requirements, in a professional and appropriate manner.
- You must return all SMHS and Hospital property to IMP at the completion of the elective rotation, for example, ID Cards; Medical (Scrubs) scrub suits and any equipment borrowed.
- Contact IMP immediately if you have any urgent issues or concerns.

Evaluation:

At the completion of the rotation, students will be evaluated by the faculty in some, many or all of the following areas:

- Fund of Medical Knowledge
- Clinical Application of Knowledge (e.g. history and physical examination, diagnosis, analysis, and treatment planning)
- Clinical Judgment (e.g. risk-benefit analysis, timing, and safety thinking)
- Technical Skills (e.g. bedside and clinical examination and procedures, operating room assistance)

- Attitude, Motivation (e.g. teamwork, preparation, seeking and observing for knowledge, retention of learned materials, and application in subsequent cases and work ethic – attendance, seeking learning opportunities)
- Professionalism (e.g. dress, behavior and respect for patients, peers, faculty and self)
- Humanity (e.g. empathy and honesty)
- Other

Letters of Recommendation:

We expect that international students are here to learn about and participate in the American medical educational system. We do understand that you may also be seeking letters of recommendation to facilitate your efforts at pursuing Graduate Medical Education (residency training programs) later. *The faculty are under no obligation to provide a letter of recommendation, and you must not assume that you will automatically get one.* It is important to understand that in order for a faculty member to write a *meaningful* letter of recommendation he/she must have spent enough time working with you to have a basis for that recommendation. Often a one month clinical rotation does not provide enough access for that. Moreover, it is strongly urged that an international clinical elective student NOT interfere with other medical students' participation in order to spend more time with the faculty to "improve" their chance of getting a letter of recommendation.

You must perform well during your rotation and participate in enough *meaningful* activities to earn the privilege of a letter of recommendation. If you believe you have done so, you may then ask your faculty mentor at the end of the rotation if he/she would be willing to write a letter on your behalf. If you decide to ask a recommendation letter, you should ask one time, and respect the answer you get. You must also recognize that your faculty maintain a very busy schedule and it is very time consuming to write letters as requests often coming from more than one student. They will then make their own decision on whether or not they can. While we appreciate our faculty providing such support, please understand it is their option to do so, and the student must earn it.

In summary, we believe strongly that your purpose in joining us for an International Clinical Elective is to learn and enhance your knowledge and skills. A letter of recommendation should be secondary to those goals. If your priority is the letter of recommendation, rather than the educational experience, we recommend against the International Clinical Elective.

Finally, we are dedicated to assuring you the best possible educational experience while you are here at GW. To facilitate that process, we ask that you contact Genna McKenna at our IMP office once a week after the first week of the rotation. E-mail is probably best. Please let her know how you are doing, whether you are having any problems, need our help, if you have any suggestions, and in general provide us with an update on your experience. That way we can assist you while

the rotation is still ongoing. You may, of course, contact us at any time if you need our advice or assistance. Please provide your contact information so that we may find you if needed.

If you have any other questions, concerns, suggestions or advice about our international clinical rotations, please contact either of us. Again, Welcome to GW and our Nation's Capital. We look forward to meeting you and sharing your educational experience.

Genevieve McKenna, MPH, Program Manager

Email: gmckenna94@gwu.edu

Office: 202-994-5662

Stanley Knoll, MD, Medical Director

Email: sknoll@gwu.edu

By signing below you acknowledge that you have read and understand the information provided to you in the International Clinical Electives Program Student Information document.

Student Name (print): _____

Student Signature: _____

Date: _____

Course Offerings for International Clinical Elective Students

[Updated July 2021]

The courses listed in this document are available to visiting international students for four weeks of elective time at GW Hospital, associated Medical Faculty Associates, or Children's National Health System (Pediatrics).

ANESTHESIOLOGY

➤ *ANES 384: Intensive Care Unit*

The GW Hospital ICU is a unique multidisciplinary critical care unit that cares for all surgical and medical patients except pediatrics and burns. Students work with residents from Surgery, Anesthesia and Internal Medicine, and are closely supervised by the Critical Care attending physician and fellow. There is a great deal of clinical bedside teaching, as well as didactic presentations 3 days/week, daily x-ray rounds, and other collaborative teaching exercises. The student will learn how to evaluate and initiate treatment of the critically ill adult, including airway and ventilator management, resuscitation of shock, hemodynamic evaluation and interpretation, cardiovascular support, renal replacement therapy, nutritional support, use of blood component therapy, and peri-operative management. Students are taught and allowed to perform procedures. Night call is five times per month. Faculty includes: Drs. Bruce Abell (Surgery), Lynn Abell (Surgery), Jalil Ahari (Medicine), Seth Akst (Anesthesia), Lakhmir Chawla (Medicine and Nephrology), Danielle Davison (Anesthesia), Lia Lozanczy (Medicine), Jacqueline Honig (Anesthesia), Vinayak Jha (Medicine), Christopher Junker (Anesthesia), and Michael G Seneff (Medicine).

Course Director: Lia Lozanczy, MD

Course Contact: Maquita Irvin

➤ *ANES 387: Pain Medicine*

The goals and objectives are to learn about various acute and chronic painful conditions by evaluating patients and discussing options available for pain management. Students will encounter outpatients with spine related (back and neck), neuropathic pain, and cancer pain. They will learn pharmacological (opioids and non-opioids) and non-pharmacological options for pain control. Students will be exposed to various image guided interventional techniques in pain management. Students will have the opportunity to observe and assist in interventional procedures in the surgery center. Students will have an opportunity to observe regional techniques for perioperative pain control. Students may round with the

Acute Pain Service on postoperative patients and assist with inpatient consultations. Students will have an opportunity to observe options for pain control at the Center for Integrative Medicine using complementary techniques and alternative medicine. If there is interest, there may be opportunities for the student to participate in research or study projects.

Course Director: May Chin, MD

EMERGENCY MEDICINE

➤ *EMED 302: Emergency Medicine*

Students will work approximately 14 clinical shifts (day, evening, and night shifts) at GW Emergency Department and the Veterans Administration Medical Center Emergency Department in Washington, DC. Both are high acuity and high volume departments. Students function at an acting intern level with responsibility for patient care under the direct supervision of the faculty and residents of the Department of Emergency Medicine. This course offers a wound care lab, stimulation sessions, regularly scheduled student lectures, required readings and Grand Rounds. Students must attend GW and PG VAMC orientation during the first two days of the rotation in order to complete any clinical shifts. Students are required to have transportation to both clinical sites. The NBME Emergency Medicine Shelf exam is given on the final Friday of the rotation, and the final clinical shifts occur on the final Sunday of the rotation.

Course Director: Matthew Pyle, MD

Course Contact: Nile Otu

MEDICINE

➤ *MED 351: Infectious Diseases*

The focus of the elective experience is on the diagnosis and management of patients with infectious diseases. This includes the evaluation of patients on medical and surgical services. Clinically relevant aspects of microbiology and immunology are explored. Academic activities include a bi-monthly joint case conference with the Washington VA Medical Center. Other conferences include surgical pathology, clinical microbiology and the monthly Washington ID Society conference. Basic lectures are led by the fellows and faculty on major infectious diseases, clinical microbiology and antimicrobial chemotherapy. Faculty includes: Drs. David Parenti, Afsoon Roberts, Marc Siegel, Gary Simon, and Carmelita Tuazon.

Course Director: Afsoon Roberts, MD

➤ *MED 352: Clinical Cardiology*

Students in this course will spend two weeks on various cardiology services and two weeks on the coronary care team. Students will be exposed to the outpatient clinic, pacemakers, invasive and non-invasive laboratories. Faculty include: Drs. Richard Katz, Jannet Lewis, Marco Mercader, Cynthia Tracy, and Allen Solomon.

Course Director: Marco Mercader, MD

➤ *MED 372: Endocrinology and Diabetes*

Students will focus on clinical experience in endocrinology and metabolism with an emphasis on outpatient care and longitudinal follow-up. Students examine patients and participate in the diagnosis, and planning of therapy, daily rounds, weekly diabetic pregnancy clinic, didactic lectures, case discussions, journal club, and conferences.

Course Director: Rohit Jain, MD

➤ *MED 413: Clinical Gastroenterology/Hepatology*

This elective is an intensive clinical experience with patients who have disease of the gastrointestinal tract, liver, and pancreas as well as nutritional disorders. Students will participate in patient consultations, teaching rounds, and seminars. Joint conferences with surgery, pathology, and radiology emphasize the multidisciplinary approach in digestive diseases. Faculty includes: Drs. Showkat Bashir, Marie Borum, Nisha Chand, Paul Chang, Allen Ginsburg, Sands Irani, Antoinette Saddler, and Steven Zeddun.

Course Director: Marie Borum, MD

Course Contact: Nadine Yancey

➤ *MED 431: Hematology/Oncology*

Students will be immersed in the process of diagnosis and therapy of hematologic and oncologic disorders, including inpatient and outpatient consultations, daily care and follow-up of clinical hematologic and oncologic problems, with an emphasis on blood and marrow morphology, tumor pathobiology, modern hematologic-oncologic diagnostic procedures, and treatment of blood diseases and cancer, including bone marrow transplantation.

Course Director: Robert Siegal, MD

➤ *MED 447: Pulmonary Medicine*

Students participate in the evaluation and treatment of patients with pulmonary disorders. Outpatient pulmonary and sleep medicine clinics, inpatient consultation rounds, observation of pulmonary team rounds. Students will attend and participate in all pulmonary conferences. Emphasis is on acquainting students with the recognition, diagnosis (including diagnostic procedures) and management of common lung disorders. Chest roentgenology and evidence-based approach to management will be stressed.

Course Director: Morgan Delaney, MD

➤ *MED 461: Clinical Renal Disease*

Students will participate in the clinical evaluation and management of patients with renal disease in both an inpatient and outpatient setting. The students will see both new and follow-up patients on the inpatient Renal consult service and make rounds with the consult team. Students will learn to perform a urinalysis and microscopy. Students will be expected to attend a weekly renal outpatient clinic and all renal conferences. Students will also be expected to give brief topical presentations during rounds as assigned by the attending physician. Faculty includes: Drs. Ashte Collins, Nicolas Guzman, Murali Jagadeesan, Susie Lew, Ehsan Nobakht, Samir Patel, Dominic Raj, Shailendra Sharma, and Manuel Velasquez.

Course Director: Scott Cohen, MD

Course Contact: Scott Cohen, MD

NEUROLOGY

➤ *NEUR 381: Special Topics in Neurology*

This course provides students with an opportunity to study specific subspecialty topics within neurology. Students may elect to focus on areas such as (but not limited to) epilepsy, neurophysiology, movement disorders, neuromuscular disorders, pediatric neurology, headache, stroke, neuromuscular disorders or neuroscience research. Students must contact the Office of International Medicine Programs to ensure that there is availability to work with the attending(s) in the area of interest.

Course Director: Pritha Ghosh, MD

Course Contact: Nakesha Ballard

NEUROSURGERY

➤ *NSUR 380: Clinical Neurosurgery*

This is a 4-week rotation for students with a special interest in neurosurgery. Each student will spend 2 or 3 weeks on the adult neurosurgery service at GW Hospital, and 1 or 2 weeks (at the student's discretion) on the pediatric neurosurgery service at Children's National Medical Center. The student will participate in all aspects of neurosurgical care, including inpatient rounds, surgical care, outpatient clinic, and inpatient consults. There will be special emphasis on the neurological exam and understanding indications for surgery. The student will be expected to take call.

Course Directors: Anthony Caputy, MD and Dimitri Sigounas, MD

OPHTHALMOLOGY

➤ *OPHT 381: Clinical Ophthalmology*

The rotation consists of observation and participation in the examination, diagnosis, and management of wide variety of ocular conditions in ambulatory patients. There is the opportunity to observe both in clinic and in the operating rooms. All subspecialties of ophthalmology are available and students are rotated through the department to enhance the overall exposure to ophthalmology. If interested a portion of the elective can be arranged at Children's National Health System with the pediatric ophthalmology faculty. Emphasis is placed on conducting a general ophthalmic examination with recognition of abnormal findings and management of common ocular diseases. Faculty includes: Drs. Craig Geist (Chairman), David Belyea, Monica Dalal, Sam Mansour, Tamer Mansour, Marena Patronas, Lamise Rajjoub, Roberto Sunga, Nancy Vilar, Keith Wroblewski, and Geneva Cleveland O.D.

Course Director: Monica Dalal, MD

Course Contact: Pat Johnson

ORTHOPAEDICS

➤ *ORTH 380: Orthopaedic Surgery*

Musculoskeletal conditions account for a majority of conditions seen in everyday medical practice. This elective is designed for the final-year medical student who is interested in an introduction to orthopaedic surgery, and is considering the field as a career choice. The student will spend time with two selected orthopaedic preceptors in clinic and surgery, obtaining a comprehensive approach to the physicians' approach to orthopaedic conditions, surgical interventions, and observation of postoperative patients. Increasing responsibility will be offered to the student, based on their individual abilities and participation. Students will be part of the discussion of treatment options with patients, and will observe the process of decision making and informed consent required prior to surgery. Students will take call 5-8 times during the course of their four week block, and will be expected to attend all education meetings of the department during their period on the service. Students will be required to develop a brief presentation towards the end of their rotation. Objectives for the course include: recognize the presentation of common musculoskeletal conditions, perform the basic examination of the extremities and spine for musculoskeletal conditions, and identify common treatment protocols and surgical approaches for musculoskeletal conditions.

Course Director: Raj Rao, MD

Course Contact: Yolanda Porter

PATHOLOGY

➤ *PATH 296: Surgical Pathology*

Under supervision, students participate in all activities conducted by residents: case sign-out of biopsies at double-headed microscope; case conferences at multi-headed scope; cutting of surgical specimens; dictation and formulation of macroscopic reports; attendance at intra-operative consultations; photography of gross specimens; students develop an almost one to one relationship with surgical pathology attendings. Course objectives: wide exposure to clinical role of surgical pathologist; rudiments of diagnostic process in surgical pathology through constant visual exposure to gross pathologic material and histologic slides; an attractive potential future career choice. Faculty includes: Drs. M. Isabel Almira-Suarez, Marilyn Baird-Howell, Stephanie Barak, Samantha Easley, Patricia Latham, Ada Quintana, Katy Rezaei, Rochelle Simon, Sana Tabbara, Antoun Toubaji, and Xiaojun Wu.

Course Director: Stephanie Barak, MD

Course Contact: Randy Spencer

➤ *PATH 298: Autopsy Pathology*

Students will participate in all aspects of the autopsy pathology service, including organ changes in disease, gross and microscopic correlation, and preparation of protocols.

Course Director: Stephanie Barak, MD

Course Contact: Randy Spencer

➤ *PATH 298: Clinical Pathology/Laboratory Medicine*

Rotations through clinical chemistry, hematology, microbiology, and transfusion medicine (blood bank) laboratories providing guided readings, laboratory experience, didactic presentations, weekly conferences, and opportunities for clinical consultation. Course emphasizes basic principles of laboratory technology applied to the diagnosis and management of clinical disorders, with special focus on the appropriate interpretation of laboratory data. Faculty includes: Drs. Donald Karcher, MD and John Keiser, MD, PhD.

Course Director: Donald Karcher, MD

Course Contact: Randy Spencer

PEDIATRICS

➤ *PED 378: Medical Genetics*

This elective provides exposure to the principles of basic human genetics with an emphasis on the dysmorphic child, syndrome identification, and inborn errors of metabolism in the genetics clinic and through inpatient consultation. Additional emphasis on genetic testing and counseling will also be provided. No weekends or call. Although residents do not typically participate in this elective, students will have an opportunity to interact with them during resident conferences.

Course Director: Eyby Leon, MD

Course Contact: Wilhelmina Bradford

➤ *PED 379: Pediatric Gastroenterology*

Experience will be provided in GI, Hepatology, Nutrition, and Intestinal Rehabilitation. Students can choose the relative distribution of inpatient, consult, outpatient and procedure activities. On the inpatient service, students are expected to follow 1-3 patients, including pre-rounding and presenting on daily rounds. Students have the opportunity to see consults in the afternoon. Outpatient clinics include both general GI as well as Liver, Transplant, Inflammatory Bowel Disease, and other subspecialty clinics. Although no call or weekend hours are required, extended hours of pre-rounding and sign-out are expected on the inpatient service. This elective provides a close working relationship with pediatric residents during their required inpatient ward month. Students will also have an opportunity to attend resident conferences.

Course Director: Jaime Wolfe, MD

Course Contact: Wilhelmina Bradford

➤ *PED 383: Pulmonary Medicine*

Students will become familiar with the most common pulmonary conditions in both inpatient and outpatient settings. By the end of the course students will understand the pathophysiology of common pulmonary conditions and apply this knowledge to clinical decision making and management. This rotation will enhance clinical skills in history taking and examination with specific focus on the respiratory systems. Common areas of focus will include asthma, cystic fibrosis, obstructive sleep apnea, bronchopulmonary dysplasia and the care of the NICU graduate, pneumonia and the care of technology dependent patients. Students will understand the indications and interpretation of pulmonary function tests and they will have the opportunity to observe bronchoscopies in the operating room or the ICU's(optional). No weekends or call. The inpatient portion of the elective provides a close working relationship with pediatric residents during their required inpatient ward month. The outpatient portion provides limited exposure to residents during their outpatient week. Regular attendance at resident conferences is encouraged.

Course Director: Folasade Ogunlesi, MD

Course Contact: Wilhelmina Bradford

➤ *PED 386: Pediatric Hematology-Oncology*

Students will be exposed to the outpatient diagnosis and management of children with hematologic and oncologic diseases. Students will work with different fellows and attendings based on their specialty focus. Examples include clinics focused on general hematology, sickle cell, bleeding disorders, thrombosis, blood cancers, solid tumors and brain tumors. Laboratory experiences include examination of peripheral blood smears and bone marrow aspirates, as well as the interpretation of laboratory tests used in the diagnosis and management of these patients. A shadowed inpatient experience can be provided based on student interest. No call or weekend hours are required. The outpatient portion does not provide regular working exposure to residents; however, regular attendance at resident conferences is encouraged.

Course Director: Marie Nelson, MD

Course Contact: Wilhelmina Bradford

➤ *PED 389: Pediatric Cardiology*

Students will work with the outpatient pediatric cardiology clinic team. Emphasis is provided on physical diagnosis of congenital and acquired heart disease and interpretation of electrocardiograms and echocardiograms. Exposure will be offered in cardiac catheterization and cardiac MRI's. Optional observation of cardiac surgical procedures will be made available. Although the elective may be adapted to allow care of admitted patients with the pediatric residents during their required inpatient ward month, the outpatient experience does not provide regular exposure to residents. Students are expected to participate in cardiology departmental conferences. No weekends or call. Experiences can be provided at regional outpatient clinics. When at Children's Hospital, regular attendance at resident conferences is encouraged.

Course Director: Ian Hovis, MD

Course Contact: Wilhelmina Bradford

RADIOLOGY

➤ *RAD 381: Vascular Interventional Radiology*

This elective focuses on vascular and interventional radiology. The goals are to orient students to the vascular and interventional radiology section and to become familiar with the full variety of special procedures which are performed by this section. Students will take an active role in working up the patients, performing and following patients post-procedure. Faculty includes: Drs. Andrew Akman, Albert Chun, Shawn Sarin, and Anthony Venbrux.

Course Director: Daniel Scher, MD

➤ *RAD 383: Clinical Radiology*

Students will be assigned to rotate and observe various sections in the University Hospital's Department of Radiology. The department considers this a basic course in radiology and urges students to use this for their introductory clinical radiology course. Additional faculty includes the full departmental faculty.

Course Director: Ramin Javan, MD

➤ *RAD 404: GI/GU Radiology*

This is a one month course focusing on aspects of gastro-intestinal and genito-urinary radiology. This is subspecialty training in radiological diagnosis to prepare students interested in a career path involving the aforementioned areas. Students will rotate in GI, ultrasound, CT and interventional.

Course Director: Ramin Javan, MD

SURGERY - NOT AVAILABLE IN MARCH

➤ *SURG 353: Otolaryngology/Head and Neck Surgery*

Students will participate in the work-up and care of outpatients and inpatients. Students will participate in surgery and ER consultations. Night call and weekend call are voluntary but is mandatory for students entering otolaryngology as a career. Faculty includes Drs. Steven Bielowicz, Houtan Chaboki, Arjun Joshi, Ashkan Monfared, Ameet Singh, Tom Troost, and Phil Zapanta.

Course Director: Punam Thakkar, MD

➤ *SURG 380: General Surgery and Surgical Oncology*

Students participate in both inpatient and outpatient surgical care, and experience significant time in operating room, and on the wards managing patients. This elective focuses on complex gastrointestinal, oncologic diseases and hepatobiliary, pancreatic and bariatric surgery. Students have the option of night call every fourth night. Faculty includes: Drs. Bruce Abell, Lynn Abell, Juliet Lee, and Khashayar Vaziri.

Course Director: Juliet Lee, MD

➤ *SURG 382: Thoracic Surgery, Hepatobiliary Surgery, and Transplant Surgery*

Active participation in inpatient and outpatient care; emphasis on thoracic surgery, both benign and oncologic diseases, hepatobiliary diseases, and transplant surgery. Acting interns are expected to participate fully in thoracic tumor board.

Course Director: Juliet Lee, MD

➤ *SURG 383: General Surgery, Breast, and CT Surgery*

Students participate in both inpatient and outpatient surgical care, and experience significant time in operating room, and on the wards managing patients. This elective focuses on complex gastrointestinal, oncologic diseases and hepatobiliary, pancreatic and bariatric surgery. Students have the option of night call every fourth night. Faculty includes: Drs. Bruce Abell, Lynn Abell, Juliet Lee, and Khashayar Vaziri.

Course Director: Juliet Lee, MD

➤ *SURG 385: Plastic and Reconstructive Surgery*

This course includes experience in the full spectrum of plastic and reconstructive surgery in adult age groups, including congenital anomalies, cosmetic surgery, neoplasms of the head and neck, facial trauma, benign and malignant skin lesions, hand surgery, burns, microsurgery, and breast surgery. Responsibilities in the operating room, at the bedside and in the clinic are combined with participation in a busy conference schedule and daily contact with all of the subspecialty resident and faculty members. Faculty includes: Drs. Teresa Buescher, Joanne Lenert, Michael Olding, and Ben Wood.

Course Director: Jerry Chao, MD

➤ *SURG 388: Vascular Surgery*

This elective is in vascular surgery with a focus on vascular disease. Students will spend a significant amount of time in the operating room, ICU, and wards. Students will have individual attention with attending and senior residents and will focus on independent learning and management of ward and ICU patients. Students have the option of night call every fourth night. Faculty includes: Drs. Joseph Babrowicz, Rodeen Rahbar and Nguyen.

Course Director: Bao-Ngoc Nguyen, MD

➤ *SURG 400: Trauma*

Students will focus on general abdominal surgery and comprehensive care of the traumatically injured patient, and spend a significant amount of time in the operating room, ICU, and wards. Students will receive individual attention with attending and senior residents, and focus on independent learning and management of ward and ICU patients. Students have the option of night call every fourth night. Faculty includes: Drs. James Dunne, Juliet Lee, and Babak Sarani.

Course Director: Juliet Lee, MD

Fourth Year Calendar 2023-24 for Class of 2024

Week 44	Apr 24–Apr 30 2023	INTERSESSION IV Mon thru Fri only
Week 45	May 1 - May 7, 2023	
Week 46	May 8 – May 14, 2023	
Week 47	May 15 - May 21, 2023	
Week 48	May 22 – May 28, 2023	
Week 49	May 29 - June 4, 2023	
Week 50	June 5 – June 11, 2023	
Week 51	June 12 – June 18, 2023	
Week 52	June 19 – June 25, 2023	
Week 1	June 26 - July 2, 2023	Vacation/"Spring Break"
Week 2	July 3 - July 9, 2023	
Week 3	July 10 - July 16, 2023	
Week 4	July 17 - July 23, 2023	
Week 5	July 24 - July 30, 2023	
Week 6	July 31 – Aug 6, 2023	
Week 7	Aug 7 - Aug 13, 2023	
Week 8	Aug 14 – Aug 20, 2023	
Week 9	Aug 21 – Aug 27, 2023	
Week 10	Aug 28 – Sept 3, 2023	
Week 11	Sept 4 – Sept 10, 2023	
Week 12	Sept 11 - Sept 17, 2023	
Week 13	Sept 18 -Sept 24, 2023	
Week 14	Sept 25 – Oct 1, 2023	
Week 15	Oct 2 - Oct 8, 2023	
Week 16	Oct 9 – Oct 15, 2023	
Week 17	Oct 16 – Oct 22, 2023	
Week 18	Oct 23- Oct 29, 2023	
Week 19	Oct 30 – Nov 5, 2023	
Week 20	Nov 6 – Nov 12, 2023	
Week 21	Nov 13 – Nov 19, 2023	
Week 22	Nov 20 – Nov 26, 2023	
Week 23	Nov 27 – Dec 3, 2023	
Week 24	Dec 4 – Dec 10, 2023	
Week 25	Dec 11 – Dec 17, 2023	
Week 26	Dec 18 – Dec 24, 2023	VACATION/"Winter Break"
Week 27	Dec 25 – Dec 31, 2023	VACATION/"Winter Break"
Week 28	Jan 1 – Jan 7, 2024	
Week 29	Jan 8 – Jan 14, 2024	
Week 30	Jan 15 – Jan 21, 2024	
Week 31	Jan 22 – Jan 28, 2024	
Week 32	Jan 29 – Feb 4, 2024	
Week 33	Feb 5 – Feb 11, 2024	
Week 34	Feb 12 – Feb 18, 2024	
Week 35	Feb 19 – Feb 25, 2024	
Week 36	Feb 26 -Mar 3, 2024	Transitions to Residency
Week 37	Mar 4 – Mar 10, 2024	Transitions to Residency
Week 38	Mar 11 – Mar 17, 2024	Transitions & Match Day 3/15/24
Week 39	Mar 18 – Mar 24, 2024	Transitions to Residency
Week 40	Mar 25 -Mar 31, 2024	
Week 41	Apr 1 – Apr 7, 2024	
Week 42	Apr 8 – Apr 14, 2024	
Week 43	Apr 15 – Apr 21, 2024	
Week 44	Apr 22 – Apr 28, 2024	
Week 45	Apr 29 – May 5, 2024	
	GRADUATION	Sunday May 19, 2024