Anesthesiology
ANST 709A: Anesthesiology

Anesthesiology & Perioperative Medicine

Course Purpose Statement: Students receive supervised instruction and gain experience with the clinical aspects of anesthesiology by working in the operating room with either a faculty physician or both a faculty physician and an anesthesiology resident. The course emphasizes: 1) perioperative patient care with a focus on intraoperative anesthetic and non-operative pain management, 2) using scientific principles and practices of anesthesiology to develop individual patient plans, and 3) developing technical skills involved with airway management, tracheal intubation, and IV infusion therapy. This elective requires an electronic multiple-choice and essay examination at the end of the course.

ANST 709B: Obstetrical Anesthesiology

Anesthesiology & Perioperative Medicine

Course Purpose Statement: Students will receive instruction on anesthetic management of obstetric patients. Instruction will include management of complicated delivery and other obstetric related issues.

ANST 709N: Neuroscience Critical Care

Anesthesiology & Perioperative Medicine

Course Purpose Statement: The medical student is expected to attend all activities in the Neurosciences Critical Care Unit (NSICU) during this rotation. Rounds are structured toward active participation with distinct roles for each member of the team (attending, fellow, resident, nurses, pharmacist, and social worker). Detailed critical care rounds occur with a "systems-approach" to each patient and special emphasis is laid on bedside teaching as it pertains directly to patient care. Multiple goal-directed rounds occur through the course of the day (Combined Neurosurgical rounds, Critical Care rounds, radiology rounds, Evening rounds). The expectation is to provide exposure to a few procedures during this rotation. These procedures would include lumbar puncture, intubation, and arterial and central venous line placements. Medical students are expected to keep an ongoing log of procedures that they have observed over the course of their training. Medical Students are expected to participate actively in patient care and under the direction of housestaff, fellows and attendings in the NSICU. Overnight call will be required once weekly.
ANST 709P: Pain Management

Anesthesiology & Perioperative Medicine

Course Purpose Statement: Students receive supervised instruction in clinical aspects of pain management including post-operative and post traumatic acute pain problems managed by epidurals, patient-controlled analgesia (PCA), various regional blocks (i.e. intercostal, brachial plexus, etc.), and management of a full range of chronic pain and cancer pain problems. The multidisciplinary approach to pain control is emphasized. Students must have completed their Medicine and Surgery clerkships prior to entering the elective.
Dermatology
DERM 709A-Clinical Dermatology

Dermatology

Course Purpose Statement: This general elective is intended for those students pursuing primary care or non-dermatologic subspecialties who are interested in learning the basics of Dermatology. Students are exposed to the breadth of Dermatology and spend the majority of their time in the busy OHSU and VA faculty clinics. Clinics are also held at the OHSU Lake Oswego and Beaverton Clinics, and students will be expected to travel to these sites which are approximately within 10 miles of the main OHSU campus. Rotations on the inpatient consultation service, dermatologic surgery (including exposure to the Mohs procedure) and dermatopathology are also provided. Attendance at weekly departmental Grand Rounds, educational conferences, and student-directed didactic sessions is required. Evaluation is based on clinical interactions, a written examination and an oral presentation required at the end of the rotation which is given to the course director and residents. There is no overnight or weekend call.

DERM 709B-Dermatopathology

Dermatology

Course Purpose Statement: Students on this elective gain experience in the microscopic diagnosis of skin disease. Students work closely with both dermatology and pathology residents, and participate in daily sign-outs of cases with the faculty dermatopathologist at the microscope. Students attend all departmental educational conferences, Grand Rounds and weekly didactics alongside the students in Derm 709A.

DERM 709C-Dermatology Subspecialty

Dermatology

Course Purpose Statement: This advanced elective is intended for those students interested in pursuing a career in Dermatology. Students spend much of their time in the OHSU faculty clinics focused on subspecialty areas of Dermatology including psoriasis, atopic dermatitis, contact dermatitis, pediatric dermatology, autoimmune dermatology and Mohs surgery. Experience in the Dermatology VA clinics and Dermatopathology may also be provided. Clinics are also held at the OHSU Lake Oswego and Beaverton Clinics, and students will be expected to travel to these sites which are approximately within 10 miles of the main OHSU campus. Students will interact with a variety of faculty to ensure exposure to both common and uncommon dermatological problems. Attendance at weekly departmental Grand Rounds and educational conferences is required. Evaluation is based on clinical interactions, a written examination and an oral presentation required at the end of the rotation to the course director and residents. There is no weekend or overnight call.
Emergency Medicine
EMED 709A: Emergency Medicine Sub-I

Emergency Medicine
Course Purpose Statement: This sub-internship elective provides students with an introduction to all aspects of Emergency Medicine. Students participate in the daily care of emergency patients with attending staff and residents, attend the departmental conference, and attend weekly lectures covering a broad range of topics in Emergency Medicine. An introduction to pre-hospital care and toxicology will also be included. Students will be assigned shifts at OHSU and DCH.

ETOX 709A: Medical Toxicology

Emergency Medicine
Course Purpose Statement: The Oregon Poison Center Medical Toxicology rotation is highly recommended for students with interests in Emergency Medicine, Pediatrics, Family Medicine, Internal Medicine, Psychiatry, or Occupational medicine. The students role will be in discussing cases throughout our calling area (Oregon, Alaska, and Guam) and participating in conferences, bedside consultations, and assigned reading materials. A weekly presentation on an historical toxic event is required. This is an excellent review of basic pharmacology as it applies to therapeutic use of medications and overdose situations. Additional topics covered include environmental toxicology, occupational toxicology, drug abuse toxicology, and laboratory screening for drugs. Oregon Poison Center staff provide students with an excellent opportunity to become familiar with the recognition and management of acute toxicologic emergencies. Mon-Fri didactics and conference.
Family Medicine
FAMP 709A: Sub-I Family Medicine

Family Medicine

Course Purpose Statement: A four-week sub-internship in Family Medicine is available for medical students interested in a Family Medicine residency who have completed the core. The subinternship is an intensive, rigorous experience in which students will spend two weeks on inpatient service and two weeks in one of three OHSU Family Medicine outpatient clinics. As much as possible, subinterns will be given opportunities to demonstrate skills at the level of an incoming intern. On inpatient service students will be responsible for closely following patients, managing their care under the guidance and supervision of residents and faculty, and presenting their patients at morning report. Students will also be expected to work with their teams on early evening coverage of patient calls, ER visits, and inpatient care. In clinic, students will work with a senior resident or faculty preceptor, seeing a wide variety of patients independently and observing or being observed by their preceptors during the course of patient care. Under the supervision of their preceptors, students will be expected to write chart notes and/or do dictations and to help provide ancillary care such as interpreting x-rays, reading ECGs, etc.
Internal Medicine
CARD 709A: Cardiology Consult-OHSU

**Internal Medicine**

**Course Purpose Statement:** Students are expected to refine their skills at taking a cardiac history and performing an examination of the cardiovascular system. They will learn how to perform a consultation on a patient at the request of another physician and to interact productively with other physicians who have primary responsibility for the care of the patient. They will learn the role of common diagnostic tests used in cardiology for management of patients. They will gain experience in interpretation of electrocardiograms and be exposed to the role of non-invasive testing as needed. It may be possible to arrange experience watching exercise treadmill testing (primarily VA rotation). Commonly seen conditions include evaluation of chest pain syndromes, coronary artery disease, heart failure, risk assessment prior to non-cardiac surgery, valvular heart disease, and infective endocarditis. Students respond to requests for consultation by evaluating the patient, analyzing the data, preparing a diagnostic and management plan, record a note in the patient record, and present the patient to the attending physician. Students regularly interpret electrocardiograms and review them with the attending physician. No call responsibilities. Students may observe performance of treadmill exercise tests, cardiac catheterization procedures and other cardiac diagnostic tests. Students are encouraged to attend cardiology conferences that include, Multidisciplinary (Clinical Case) Conference, Cardiac Catheterization Conference, ECG Conference, Pathophysiology Conference, and other subspecialty conferences. Students work with a cardiology consulting resident (if one is assigned), a fellow, and an attending. Evaluation includes informal feedback and standard evaluations by the attending physician. The student also evaluates the educational experience during the rotation. At the end of the rotation, students will have increased skills in the assessment of patients with heart disease.
CARD 709V: Cardiology Consult-VAMC

Internal Medicine

**Course Purpose Statement:** Students are expected to refine their skills at taking a cardiac history and perform an examination of the cardiovascular system. They will learn how to perform a consultation on a patient at the request of another physician and to interact productively with other physicians who have primary responsibility for the care of the patient. They will learn the role of common diagnostic tests used in cardiology for management of patients. They will gain experience in interpretation of electrocardiograms and be exposed to the role of non-invasive testing as needed. It may be possible to arrange experience watching exercise treadmill testing (primarily VA rotation). Commonly seen conditions include evaluation of chest pain syndromes, coronary artery disease, heart failure, risk assessment prior to non-cardiac surgery, valvular heart disease, and infective endocarditis. Students respond to requests for consultation by evaluating the patient, analyzing the data, preparing a diagnostic and management plan, record a note in the patient record, and present the patient to the attending physician. Students regularly interpret electrocardiograms and review them with the attending physician. No call responsibilities. Students may observe and potentially assisting with performance of treadmill exercise tests, cardiac catheterization procedures and other cardiac diagnostic tests. Students are encouraged to attend cardiology conferences that include, Multidisciplinary (Clinical Case) Conference, Cardiac Catheterization Conference, ECG Conference, Pathophysiology Conference, and other subspecialty conferences. Students work with a cardiology consulting resident (if one is assigned), a fellow, and the attending assigned for the month. Evaluation includes informal feedback and standard evaluations by the attending physician. The student also evaluates the educational experience during the rotation. At the end of the rotation, students will have increased skills in the assessment of patients with heart disease.

ENDC 709A: Endocrinology Metabolism-OHSU/VA

Internal Medicine

**Course Purpose Statement:** Students learn essentials of the evaluation and management of inpatient and outpatient clinical endocrinology and metabolism. Problems commonly seen include diabetes, lipid diseases, metabolic bone disease, disorders of thyroid, pituitary, adrenal and gonadal functions. Outstanding opportunity to learn about many disorders frequently not seen or discussed in other areas. Students see 5-12 patients per week in the University and VA Med Center General Endocrinology, Diabetes, Bone and Mineral and Obesity clinics, as well as 5-10 patients per week on the inpatient Endocrine consult service. Conferences include Journal Club and Clinical Case Conference. Students will work as part of a team of residents, fellows, and attendings. No call responsibilities. Evaluation is by observed clinical performance, case presentations, and knowledge of the subject area.
GERI 709A: Geriatric Medicine-OHSU/VA

Internal Medicine
Course Purpose Statement: The student will rotate during the month through both outpatient and inpatient geriatric-related settings at OHSU and the Portland VA. This will include experiences working with geriatricians in Geriatric Primary Care and Consultative Clinic at OHSU, Geriatric and Fall Assessment Clinics at VA, Wound Care Clinic at VA, and the Inpatient Geriatric Consult Service at OHSU.

GSTR 709A: Gastro Consult-OHSU

Internal Medicine
Course Purpose Statement: Students learn an integrated approach to the diagnosis and therapy of gastroenterology diseases with emphasis on pathophysiology and exposure to the utility and application of the various diagnostic therapeutic endoscopic procedures. Problems commonly seen include diagnosis/treatment of GI bleeding, abdominal pain, peptic ulcer disease, gastrointestinal tumors, pancreatitis, chronic liver disease and inflammatory bowel disease. Students see approximately two inpatient consults per day and in addition to other consultations seen as emergencies or in the weekly Tuesday GI clinic. No night call responsibilities. Conferences include Grand Rounds, GI Medical Surgical Conference, GI Pathology Conference, Hematology/Biliary Conference, and GI Research Conference. Students work with a team of medical resident, GI fellow and GI Attending. Evaluation is by observed clinical performance.
HEMA 709A: Hematol Consult-OHSU/VA

Internal Medicine

Course Purpose Statement: Students learn to manage, diagnose and treat common hematologic/oncologic diseases. Use and interpretation of chest, abdominal, bone x-rays, CT Scans, MRI, and nuclear medicine scans as well as interpretation of blood and bone marrow smears, and the management of oncologic emergencies. Problems commonly seen include anemia, neutropenia, thrombocytopenia, lung cancer, head and neck cancer, colon cancer, prostate cancer, lymphoma, leukemia, and myeloma. Students manage 2-3 patients per week in the inpatient setting. 1-2 patients per week will be seen in the outpatient setting. The outpatient experience will be scheduled once each week. Opportunities to observe and perform procedures include bone marrow aspirations, biopsies, interpretation of blood smears and bone marrow smears. Conferences include Morning Report, Grand Rounds, Pathology Slide Conference, Hematology Journal Club, Lymphoma Conference, Clinical Case Conference, and Case Management Conference where students present particularly difficult cases. Students work with a team of one full time attending physician, a subspecialty Hematology/Oncology fellow, and often an internal medicine resident or intern. Students are provided with a volume of directed clinical reading to cover essential elements in Hematology/Medical Oncology. Evaluation is by clinical performance, weekly informal oral examinations on the assigned reading, quality of case presentations, and humanistic skills. With the intense involvement of students in both the inpatient & outpatient arenas, with such a cohesive course curriculum, unique skills in Hematology/Medical Oncology should be acquired. Should unique patients be cared for by the students, careful evaluation and documentation may lead to a case report that may be submitted for publication in the medical literature.

INFD 709A: Infectious Disease-OHSU/VA

Internal Medicine

Course Purpose Statement: Students learn clinical and laboratory approaches to the diagnosis and therapy of infectious diseases. Students participate in both the OHSU and VAMC infectious diseases rounds. They will work up and present new consultation patients, follow up with patients on the consult service, and participate in Division Conferences. Placement is within a combined OHSU/VAMC rotation.
NEPH 709A: Nephrology/Hypertension-OHSU/VA

Internal Medicine

Course Purpose Statement: Students are expected to learn the clinical approach and therapy of common renal diseases and hypertension. Students are active participants on the nephrology inpatient consultation services at the VA Medical Center and University Hospitals. Problems commonly seen include acute renal failure, glomerulonephritis, nephrotic syndrome, electrolyte and acid-base abnormalities, diabetic nephropathy and hypertension. Students also participate in renal and hypertension clinics. Students average one new patient per day on the inpatient consultative service and generally follow between 3-5 patients. Students may attend clinic one half day per week and see between 2-4 patients. Students may observe placement of central catheters for hemodialysis and renal biopsies. Conferences include Clinical Case Conference, weekly Nephrology Didactic Sessions, Nephrology Journal Club and Medicine Grand Rounds. Students work with a team of two residents, one or two nephrology fellows and an attending nephrology staff. Written evaluation and oral feedback are provided based on observed case presentations and knowledge acquired. Students will acquire a good understanding of the management and diagnosis of renal disease and hypertension.

PULM 709A: Pulmonary Consult-OHSU

Internal Medicine

Course Purpose Statement: Pulmonary Consult – OHSU: Students may participate full-time in the consultation service of the Pulmonary and Critical Care Division. This experience includes workup of patients for whom pulmonary consultations have been requested, consultation rounds, bronchoscopy sessions, Pulmonary clinic, attendance at three weekly pulmonary conferences, and reading in pulmonary and critical care medicine. The service (staff Pulmonologist, PCCM fellow and an IM resident most months) sees outpatients in the morning in our subspecialty urgent care clinic. Inpatient consultations are staffed in the afternoons. We perform bronchoscopies and thoracenteses most days as well. The service interprets all pulmonary function tests and supervises review of a high volume of abnormal thoracic imaging studies. Depending on the student’s interest, there may be opportunities to observe care in our multidisciplinary lung cancer and multidisciplinary ALS clinics. There are three Pulmonary conferences weekly, along with opportunities for directed reading in Pulmonary medicine.
PULM 709CV: Pulmonary Consult-VA

Internal Medicine

Course Purpose Statement: The purpose of this rotation is to introduce students to the evaluation, diagnosis, and treatment of patients with respiratory disease, building on the basic science and pathophysiologic aspects of respiratory disease taught in years 1-2. Students will participate as full-time members of the Pulmonary Consult Service at the Portland VA Medical Center. The team includes a fellow, one or two medical residents, nurses, and an attending. Working closely with the fellow/attending, students will evaluate patients in the hospital and in the outpatient clinic, observe procedures such as bronchoscopy and thoracentesis, attend clinical conferences, and read about topics specific to their patients. Specific goals for students during this rotation include:
1) To describe pathophysiology in patients with respiratory disease by interpreting symptoms and physical findings, chest imaging, lung pathology, and pulmonary function tests;
2) To learn the basic approach to evaluation and management of patients with respiratory diseases such as chronic obstructive pulmonary disease, asthma, lung cancer, interstitial lung disease, occupational and environmental lung disease, and pulmonary infections.
Neurology
NEUR 709A: Advanced Clinical Neurology

Neurology
Course Purpose Statement: The purpose of this elective is for students to participate in depth in the care of patients with neurological disease. The student will be assigned to work on an inpatient neurology team and participate in the care of patients with complex neurological diseases. Students will have the option of participating at a sub-inten level of functionality within the neurology team.
Neurosurgery
NSUR 709A: Neurosurgery

Neurosurgery

Course Purpose Statement: This intensive exposure to clinical neurosurgery is intended for students with a serious interest in the clinical neurosciences. Students work closely with the resident team in day-to-day patient care taking call, working up new patients in both the outpatient clinic and inpatient setting, scrubbing with the residents and faculty in the operating room, and following patients through their postoperative courses. Head and spine trauma, brain tumors, stroke, aneurysmal subarachnoid hemorrhage, chronic pain syndromes, degenerative spine disease, hydrocephalus, spina bifida, movement disorders, and medically intractable epilepsy are the more common clinical problems encountered. The ICU management of critically ill neurosurgical patients is an integral part of the rotation. Placement is at OHSU.
OBG/YN

Not offered AY 2017-2018
Ophthalmology
OPHT 709A: Advanced Ophthalmology

Ophthalmology

Course Purpose Statement: Students actively participate in patient care in an ophthalmology subspecialty service by pre-arrangement. Attend classes and conferences in ophthalmology. Presentations at clinical case conferences are encouraged. Participation in a departmental research activity as part of the elective is encouraged.
Orthopedic
ORTH 709A: Orthopedic Ward

Orthopedics

Course Purpose Statement: This is a sub-internship level elective is designed for students interested in careers in orthopaedics. Placement is at OHSU and is designed to rotate students through several orthopaedic subspecialty services in order to introduce students to a wide variety of orthopaedic surgery. Students participate as members of teams providing patient care. Four weeks at OHSU inpatient and outpatient orthopaedic services. Students will spend one week on the inpatient trauma or spine service then 3 additional weeks on other services such as, spine, tumor, sports, pediatrics joints, upper extremity, and foot and ankle. If students have a particular interest in any of those disciplines they should notify the clerkship director. Students will take overnight in-house call at a minimum of one day a week with opportunity for additional call dates. There are daily 30-60 minute didactic/education sessions with the residents and faculty. Students will be graded on their clinical performance as well as a 15 minute structured didactic case presentation given at departmental grand rounds.
Otolaryngology
OTOL 709A: Medical /Surgical Otolaryngology Sub-I

Otolaryngology-Head/Neck Surgery

Course Purpose Statement: This rotation is an intense clerkship experience, intended for those who are seriously considering a residency in Otolaryngology. Students will rotate on 2 services (head and neck/microvascular, pediatrics, laryngology, facial plastic surgery, VA, sinus, otology) for 2 weeks each. Students may make a special request to spend all 4 weeks on one rotation. Every effort will be made to accommodate rotation preferences, but these cannot be guaranteed. In-house call is expected once per week. Attendance at weekly grand rounds (Monday 7-9am) and resident didactics (Tuesday 6-7pm) is required. The student will be required to complete an oral case presentation at Grand Rounds, including a literature review to answer a specific clinical question illustrated by a chosen case.

OTOL 709B: Microvascular Reconstruction and Rehabilitation Sub-I

Otolaryngology-Head/Neck Surgery

Course Purpose Statement: The purpose of the Microvascular Reconstruction and Rehabilitation clinical experience is for students to participate in the care and operative management of patients on the Microvascular Reconstruction service by assuming an active role as a subintern. Students will see patients in the clinic, follow them to the operating room, and care for them during their inpatient hospital stay. Surgical exposure will be intense with an opportunity to first assist. Students will participate in a publishable clinical project. Students will attend weekly didactic teaching sessions and will be required to complete an oral case presentation at Grand Rounds, including a literature review to answer a specific clinical question illustrated by a chosen case.

OTOL 709J: Pediatric Otolaryngology Sub-I

Otolaryngology-Head/Neck Surgery

Course Purpose Statement: This elective has been designed to give students an in-depth experience in ambulatory and operative pediatric Otolaryngology. The student will serve as a sub-intern, and assist the resident with the management of hospitalized patients including morning, afternoon and weekend rounds. They will also attend a variety of clinics, including exposure to several multidisciplinary clinics (aerodigestive, craniofacial, hereditary hearing loss, and vascular anomalies). In-house call is encouraged but not required. Attendance at grand rounds (Monday 7-9am), resident didactics (Tuesday 6-7 pm), and pediatric otolaryngology conference (alternate Wednesdays, 8-9 am) is required.
Pathology
PATH 709A: Introduction to Pathology

Pathology

Course Purpose Statement: This is a 4 week elective course designed to introduce students to the field of pathology as practiced in the clinical setting. Students will attend relevant lectures and clinical conferences, including the anatomic pathology and laboratory medicine resident lectures, Department Grand Rounds and the Autopsy Case review. A pathology interesting case of the month submission is required. Scheduling details will be worked out through Stacey Davis and the Clerkship Director prior to beginning the elective. This course is NOT offered in blocks S3, U1 or U2. Preference for August -October slots will be given to students who are applying to pathology residency.
Pediatrics
PEDI 709A-Pediatric Inpatient Sub-I

Pediatrics
**Course Purpose Statement:** Doernbecher Children's Hospital offers a one-month clinical elective sub-internship in inpatient pediatrics. This experience gives students a concentrated view of general and subspecialty inpatient pediatrics. It allows for more in-depth exposure to multiple members of the inpatient team, facilitating a more substantive evaluation of students in an active and challenging hospital environment.

PEDI 709B-Neonatal Medicine Sub-I

Pediatrics
**Course Purpose Statement:** This elective allows the student to work at the subintern level with exposure to both common and unusual neonatal problems in an NICU with admissions from a high risk delivery service and regional referrals. Students are expected to attend high risk deliveries and to manage patients with guidance from residents and staff.

PEDI 709D-Pediatric Critical Care Sub-I

Pediatrics
**Course Purpose Statement:** This course will expose the student to critical care of infants, children, and adolescents in a private, free standing Children's Hospital. The student will serve in a sub-intern role, and will assist the attending physicians with admissions as well as ongoing care of patients. The goal of the course is to teach the student to recognize and stabilize critically ill children, as well as provide thoughtful ongoing care.

PEDI 709F-Pediatric Cardiology

Pediatrics
**Course Purpose Statement:** Students participate in congenital heart clinics, cardiac consultations, journal club, and patient care. Reading ECGs, observing echocardiograms, and cardiac catheterizations are also part of this experience.
PEDI 709G-Pediatric Pulmonology

Course Purpose Statement: Students acquire an important clinical exposure to a number of pediatric lung diseases including cystic fibrosis, asthma, pneumonia, and acute respiratory failure in the ICU. This rotation includes rounds and consults on pediatric wards and PICU, two clinics per week, and conferences.

PEDI 709H-Pediatric Endocrinology

Course Purpose Statement: These two subspecialty services offer the opportunity for a very wide clinical experience in their respective disciplines. Outpatient clinics occupy three days a week. The elective emphasizes the pathophysiology, clinical manifestations and treatment of metabolic and endocrine disorders with reading and review sessions in relevant areas. Assignments include in-hospital consultations and review of the metabolic laboratory results.

PEDI 709I-Pediatric Infectious Diseases

Course Purpose Statement: The objective of this elective is to provide experience in several aspects of pediatric infectious diseases. Students will review basic microbiology, learn to perform a complete evaluation of a patient with a possible or proven infectious disease, and gain knowledge in managing these patients. Patients will be seen in outpatient subspecialty clinic and as inpatient consultations. Didactic teaching sessions, an open-book examination, and a suggested reading list are provided to the student.

PEDI 709J-Pediatric Hematology/Oncology Sub-I

Course Purpose Statement: The objective of this course is to provide the student with fundamental understanding of the pathophysiology, clinical characteristics and treatment of hematologic and oncologic conditions occurring in childhood. While there is an emphasis on the most common childhood cancers such as leukemias and brain tumors, the student has the opportunity to learn the full spectrum of malignant solid tumors in children and common hematologic conditions such as aplastic anemia, coagulation disorders and the hemoglobinopathies. In addition, the student is involved in the stem cell transplant program and its role in the treatment of hematologic, oncologic, immunologic and genetic disorders, and will learn the treatment of infection in the immunocompromised patient. Students are evaluated by a written evaluation based on observation of performance and attendance at and contributions to the Division's rounds and conferences. Students will spend time in the clinic or on the ward depending on their learning objectives and the census of the clinic or ward.
PEDI 709K-Pediatric Developmental/Behavioral

Pediatrics

Course Purpose Statement: Provides experience in a broad spectrum of neurodevelopmental, behavioral, learning and emotional problems in children from infants to 18 years. Clinics include the following: Genetics, Metabolic, Neurodevelopmental, Child Development, Spina Bifida, Neonatal Intensive Care follow-ups, Autism, ADHD, Medication Management and others. Clinic assignments can be adjusted to the interests of the student to some extent. Because the rotation consists of outpatient clinics, there is no night call or weekend duty.

PEDI 709S-Pediatric Nephrology

Pediatrics

Course Purpose Statement: This elective course will provide students with an opportunity to evaluate and manage pediatric patients with renal pathology and hypertension in both inpatient and outpatient settings.
Psychiatry

Not offered AY 2017-2018
Radiology
RADD 709A: Diagnostic Radiology

Course Purpose Statement: This elective includes 12 hours per week didactic instruction in film reading and appropriate radiologic procedures in patient work-up. Students are expected to attend daily conferences, and spend time on rotations in Chest, Bone, CT, Neuroradiology. Students will also choose a topic of their own interest on which they will prepare a presentation that will be presented at the end of the elective.

RADD 709B: Interventional Radiology

Course Purpose Statement: To gain basic understanding of the minimally invasive, image guided diagnostic and therapeutic techniques that the specialty of interventional radiology can provide to the current healthcare patients. Procedural experience includes: interventional oncology, peripheral vascular and aortic interventions, embolization, TIPS, central venous catheter placement, drainage and feeding tube management, as well as venous/lymphatic interventions. Clinical experience includes: IR outpatient clinic for pre and post procedural patient management as well as IR inpatient management in collaboration with many health care teams including several multidisciplinary patient management groups.

RADD 709F: Multidisciplinary Approach to Pulm Disc

Course Purpose Statement: This organ-based four-week elective is targeted to advanced level medical students interested in a comprehensive multidisciplinary learning experience focusing on pulmonary diseases. Trainees will spend time in multiple clinical specialties including pulmonary medicine, pulmonary (non-cardiac) surgery, pulmonary medical and radiation oncology, pulmonary pathology and chest radiology and actively participate in the weekly OHSU Multidisciplinary Lung Cancer Clinic. This course will combine a traditional clinical experience at multiple sites including OHSU, VAH, and Adventist Medical Center with exposure to a rich array of electronic resources. This format will provide a more flexible approach to learning.
Radiation Medicine
RADT 709A: Radiation Medicine

Radiation Medicine

Course Purpose Statement: Students participate in the clinical work-up of patients in preparation for radiation therapy as well as in the treatment and follow-up of already treated patients. Assigned reading and participation in all departmental seminars and conferences are also required. The student will prepare and present a 30 minute talk.
Surgery
CSUR 709A: CardioThoracic Surgery Sub-I

Course

Course Purpose Statement: The purpose of the Cardiothoracic Surgery clinical experience is for students to participate in the surgical management of adult cardiac and thoracic surgery patients. Students will learn all aspects of cardiothoracic surgery, including valve replacements, coronary artery revascularization, aortic dissection repair, surgical arrhythmia ablation, heart transplantation, lung resection, esophageal procedures and mediastinal exploration. Students will attend didactic lectures, one-on-one faculty teaching sessions, clinical rounds, and scrub into cases. Students will see patients in the clinic, on the ward, and in the CVICU. Site physician is Dr. Howard Song.

PLAS 709A: Plastic & Reconstructive Surgery

Course

Course Purpose Statement: Students are exposed to an extraordinary variety of congenital and acquired defects in both children & adults. Cranio-facial anomalies, maxillofacial trauma, microsurgery, and unusual surgical problems are seen daily. Cosmetic surgery and reconstructive surgery of the hand, head, neck, torso, and lower extremities are common procedures. Students will have the opportunity to evaluate patients and actively participate in the operating room, clinics, and wards. They will interact directly with the attending, residents, and patients. Site physician is Dr. Juliana Hansen.

PSUR 709A: Pediatric Surgery

Course

Course Purpose Statement: Students will participate with faculty and residents in the care and evaluation of pediatric patients with general surgical diseases in the preoperative, operative, and postoperative period. Students may have the opportunity to rotate at either DCH or Legacy Emanuel. Site physician is Dr. Sanjay Krishnaswami.
SURG 709A: OHSU TICU/SICU

Surgery
Course Purpose Statement: Students have the opportunity to participate in the management of complex, critically ill trauma, general surgery, and transplant patients. This is a highly educational experience that combines opportunities for patient management with excellent bedside and didactic teaching. OHSU is a quaternary care center for the state of Oregon and one of the only two Level 1 Trauma Centers, adding to the excellence of this opportunity. Students make daily rounds with trauma surgeons, fellows, residents, and PAs. This is an excellent educational experience secondary to bedside teaching as well as multiple planned conferences to include Trauma Conference, Morbidity and Mortality, and a didactic lecture series. Students also get the opportunity to present a case they have managed at one of the Trauma Conferences. Throughout the rotation, students will be presented with case based modules and will receive feedback on these assignments. Students will take a final exam at the end of the rotation. Site physician is Dr. Martin Schreiber.

SURG 709B: General Surgery Sub-I Blue Team

Surgery
Course Purpose Statement: The rotation focuses specifically on the pancreas, the hepatobiliary system, diseases of the adrenal glands and spleen, and hernias of all types. The physicians are trained in both minimally invasive and open surgery. You will develop skills evaluating, diagnosing and caring for surgical patients. You will be able to identify critical aspects of patient care in patients with diseases of the pancreas, hepatobiliary system, adrenal glands, spleen, and of all types of hernias. You will have hands on experience in the operating room assisting with operative procedures. Responsibilities include evaluating consult patients in the emergency room, on the hospital wards and in our out-patient clinics. You will round on and present your patients on the wards as well as assist with wound care. You will be able to participate in multidisciplinary tumor conferences and you should be able to deliver effective patient presentations. You will be expected to have the ability and willingness to work in a cooperative manner with all other healthcare personnel who care for our patients. After completing this rotation, you will have an in-depth knowledge of benign and malignant disease of the pancreas, hepatobiliary system and with solid organ disease and hernias of all kinds. Site physician is Dr. Brett Sheppard.
SURG 709G: Vascular Surgery Sub-I

Course Purpose Statement: The purpose of this rotation is for students to participate in the evaluation and management of patients with vascular diseases. Students will participate in the continuum of care of patients presenting with vascular diseases including preoperative evaluation and risk stratification/reduction, operative management of vascular diseases, postoperative management (both inpatient and outpatient setting) and surveillance of surgical (open and endovascular) outcomes. Students will be expected to understand the pathophysiology of, and participate in the care of patients with hemodialysis access needs, thoracic and/or abdominal aortic aneurysms, acute arterial occlusion, chronic arterial occlusive disease, extracranial carotid occlusive disease, and acute and chronic venous diseases. Students will attend didactic lectures, participate in clinical rounds, and scrub into open and endovascular cases. Students will see patients in the clinic, on the ward, and in the cardiovascular intensive care unit. Site physician is Dr. Enjae Jung.

SURG 709U: General Surgery Sub-I Green Team

Course Purpose Statement: This course specifically focuses on conditions and surgery of the colon and rectum, and ventral hernias. The physicians are trained in minimally invasive, robotic and open surgery. You will develop a higher level of comfort evaluating, diagnosing, triaging surgical patients, and working on a multi-functioning specialty team. You should be able to identify critical points in inpatient and outpatient follow-up of surgical patients with diseases of the colon and rectum and of all hernias. You will have hands on experience with minor clinical procedures. Responsibilities include working up patients, pre- and post-operative care, evaluating in the emergency room and outpatient clinics, rounding in wards, assisting in surgeries, postoperative care rounds, and surgical wound care. You will also participate in multidisciplinary conferences. You should be able to design and implement a patient plan, write orders, and give patient presentations. After completing this rotation, you will have an in-depth knowledge of benign and malignant disease of the colon and rectum as well as of complex ventral hernias. Site physician is Dr. Kim Lu.
Urology
UROL 709C: General Urology

Course Purpose Statement: This rotation is intended for students considering a career in Urology. Students function in a sub-intern role with house staff and faculty on the urology service and participate in all educational activities of the OHSU urology program. Students can expect to observe and participate in the management of a wide variety of adult & pediatric urological disorders in an outpatient, inpatient, and operative setting. Students will be exposed to the full range of urologic subspecialties, including urologic oncology, pediatric urology, male infertility, stone disease, female and male reconstructive urology. Students will spend 1-2 weeks at OHSU, 1 week at the VAMC (pending credentialing approval) and 1-2 weeks at Doernbecher. Students will give a presentation at the weekly departmental Grand Rounds at the end of the rotation.
Oregon Health & Science University
Campus for Rural Health
Klamath Falls, OR

* The OHSU Campus for Rural Health -Klamath is located in Klamath Falls, OR, approximately 280 miles southeast of Portland. The Campus for Rural Health is geared to provide a rural experience with a focus on interprofessional education. Students from all programs live together in provided housing and work together on ongoing community projects.
FAMP 709L: Rural Family Medicine Clerkship

Family Medicine

Course Purpose Statement: The Klamath Falls Family Medicine Sub-Internship is an intensive, rigorous experience in which students spend one week on the inpatient wards of Sky Lakes Medical Center with the resident medical team. This elective will introduce the medical student to ambulatory medicine in a rural family practice setting. Students have the option of doing one week of maternal and newborn care in the Family Birth Center. For the remainder of the time, students will see patients in the Cascades East Family Practice Clinic, under a faculty or resident preceptor. The medical student will have the opportunity to explore the career choices in family medicine and directly experience a family practice residency program.

Students are supervised by faculty and family medicine residents during their clerkship. They will be given the opportunity to interview and examine clinic patients independently and with the assistance of faculty/residents. They will attend daily noon teaching conferences as well as Grand Rounds and other learning opportunities. Thursday afternoon workshops should also be attended. There is some flexibility in order to meet the student’s specific objectives.
Oregon Health & Science University
Campus for Rural Health
Coos Bay, OR

* The OHSU Campus for Rural Health – Coos Bay is located in Coos Bay, OR, approximately 220 miles southwest of Portland.
CARD 709CB: Rural Cardiology

School of Medicine

Course Purpose Statement: The purpose of the South Coast Rural Cardiology elective is for students to gain experience and proficiency in the care of patients with heart disease in a rural community. Students will learn basic clinical cardiology with an emphasis on cardiac electrophysiology. Students will participate in pacemaker/defibrillator implantation, mapping studies, and ablation procedures. Students will see patients in both the hospital and the clinic, while working under the supervision of an attending cardiologist. Students will attend a weekly didactic conference and will complete a community project. There are no Residents practicing at these hospitals or community clinics.

HEMA 709CB: Rural Oncology

School of Medicine

Course Purpose Statement: The purpose of the South Coast Rural Oncology elective is for students to gain experience and proficiency in the comprehensive care of patients with cancer in a rural community. Students will participate in the diagnosis and treatment of a wide variety of hematologic and oncologic diseases - including breast cancer, colon cancer, lung cancer, lymphoma, gynecological, head and neck cancer, and malignant hematologic diseases. Students will see patients in both the hospital and the clinic, while working under the supervision of selected oncologists. Students will attend a weekly didactic conference and will complete a community project. There are no Residents practicing at these hospitals or community clinics.

OTOL 709CB: Rural Otolaryngology

School of Medicine

Course Purpose Statement: The purpose of the South Coast Rural Otolaryngology elective is for students to participate in the care and operative management of patients with common diseases of the head and neck. Students will hone their skills in performing a comprehensive examination of the head and neck, gain a better understanding of relevant anatomy and embryology and learn appropriate criteria for referral to an Otolaryngologist specialist. Students will see both surgical and non-surgical patients in various clinics and the operating room, and will gain an understanding of health care in a rural context. There are no Residents practicing at these hospitals or community clinics.

SURG 709CB: Rural Surgery

School of Medicine

Course Purpose Statement: The purpose of the South Coast Rural Multidisciplinary Surgery elective is for students to gain experience and proficiency in the multidisciplinary surgical care of patients in a rural community. Students will participate in the diagnosis and treatment of a wide range of surgical conditions across the subspecialties of general surgery, orthopedics, urology, otolaryngology, and gynecological surgery. Students will see patients in both the hospital and the clinic, while working under the supervision of selected preceptors. Students will assist in performing minor office procedures. Students will attend a weekly didactic conference and will complete a community project. There are no Residents practicing at these hospitals or community clinics.
MULT 705A: Quality Improvement in Rural Health Care

School of Medicine

**Course Purpose Statement:** The purpose of the Quality Improvement in Rural Healthcare elective is for students to gain experience and proficiency in the science of quality improvement in a rural healthcare system. Students will participate in performance improvement initiatives. Students will work with an interprofessional team of clinicians and administrators to improve patient care and prevent medical errors. Students will learn and apply system solutions to improve rural healthcare delivery. There are no Residents practicing at these hospitals or community clinics.