## OHSU Internal Medicine Visiting Student Electives, AY 2015/2016

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Arthritis/Rheumatology - Sacred Heart Medical Center
Eugene/Springfield (approx. 100 miles south of Portland)
ARTH 709H | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

Students are expected to learn diagnosis/therapy of common rheumatic disorders, interpretation of lab tests and musculoskeletal x-rays, and simple procedures such as joint injections. Problems commonly seen include osteoarthritis, rheumatoid arthritis, systemic lupus erythematosus, osteoporosis, gout, bursitis, vasculitis and fibromyalgia. Students participate in approximately five outpatient clinics per week averaging 1-2 new patients each clinic or 4-5 return patients. No call responsibilities. Students assist and possibly perform joint aspiration/injection, tendon injections, and bursa injections. Conferences include medical Grand Rounds at Sacred Heart Medical Center, Rheumatology journal club, and daily tutorials based on assigned reading.

Sacred Heart Medical Center is located in Eugene and Springfield, OR, approximately 100 miles south of the main OHSU campus. Students participating in rotations at this site do not interact with OHSU Residents or Residency Program Directors.

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Cardiology Consult – OHSU
OHSU Portland
CARD 709A | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

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. 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.

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Cardiology - Sacred Heart Medical Center
Eugene/Springfield (approx. 100 miles south of Portland)
CARD 709H | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

Students will be working with physicians from Oregon Cardiology, a high volume practice. They will be exposed to a full spectrum of cardiac pathology including heart artery disease, cardiac dysrhythmias, heart valve disease, and heart failure. During the rotation, students will see both new and follow-up patients in a variety of hospital and clinical settings such as the ICU, office, catheterization lab, and operating room. Students will be expected to learn how to organize and present a routine cardiac history and physical exam. Students will formulate assessments and plans based on their patient encounters. Focused reading of guidelines, textbooks and pertinent literature should support these assessments. Through this process, it is expected that the student will become familiar with the manifestations and treatment of common cardiac pathology. Students will be exposed to the full range of cardiac diagnostic and therapeutic modalities; including, open heart surgery, cardiac catheterization, echocardiography, nuclear cardiology, electrocardiography, electrophysiological testing and non-invasive stress testing. Students will be expected to understand the basic utility of these modalities as they apply in the broad context of medical care. At the end of their rotation it is hoped that students will better be able to:
1. Recognize commonly encountered cardiac pathophysiology
2. Know how to initiate a course of treatment/investigation/consultation based on their assessments
3. Understand the role cardiologists play in caring for the medical and surgical patient.

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Endocrinology Metabolism Consult - OHSU/VAMC
OHSU/VAMC Portland
ENDC 709A | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

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.
Gastroenterology Consult - OHSU
OHSU Portland
GSTR 709A | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

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.

Gastroenterology - Sacred Heart Medical Center
Eugene/Springfield (approx. 100 miles south of Portland)
GSTR 709H | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

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. No night call responsibilities. Conferences include Medicine Grand Rounds and GI Pathology Rounds. Evaluation is by observed clinical performance. Students will be based at Sacred Heart Medical Center at RiverBend, a 432 tertiary care hospital.

Sacred Heart Medical Center is located in Eugene and Springfield, OR, approximately 100 miles south of the main OHSU campus. Students participating in rotations at this site do not interact with OHSU Residents or Residency Program Directors.
Hematology Medical Oncology Consult - OHSU/VAMC
OHSU/VAMC Portland
HEMA 709A | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

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, intern, RN admissions coordinator, two nurse practitioners or physician assistants, a social worker, a psychiatrist and an RN member of the Pain Team. 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.

Hematology/Oncology - Sacred Heart
Willamette Valley Cancer Institute, Springfield Oregon
HEMA 709H | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

Students learn to diagnose and treat common hematologic and oncologic diseases in a comprehensive community setting. Common problems typically seen include breast cancer, colon cancer, lung cancer, lymphoma, gynecological, head and neck cancer and both benign and malignant hematologic diseases. Rotation will be predominately outpatient medical oncology but students may have the option of rotating through other specialties such as with radiation and/or gynecological oncologists. Goal of the rotation learn the initial diagnosis and follow up care by direct patient contact and interpretation of imaging, labs tests including bone marrow biopsies, genetic tests, etc. Student is expected to attend tumor board conferences and maybe required to present cases that he/she is involved. Evaluation is done mainly by clinical performance. Sacred Heart Medical Center is located in Eugene and Springfield, OR, approximately 100 miles south of the main OHSU campus. Students participating in rotations at this site do not interact with OHSU Residents or Residency Program Directors.
Infectious Disease Consult - OHSU/VAMC
OHSU/VAMC Portland
INFD 709A | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720 and or FAMP 720

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.

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Infectious Disease - Sacred Heart Medical Center
Eugene/Springfield (approx. 100 miles south of Portland)
INFD 709H | Internal Medicine | 6 credit(s) | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

Students obtain a working knowledge of the management of common infectious diseases. Management will include diagnostic procedures and appropriate use of antimicrobial agents. Students will participate in the ID consultative service which involves both outpatient and inpatient consultation. They will perform 2-3 complete consultations per week. In each instance, they evaluate patients independently and then present their findings to the infectious diseases faculty. They are then obligated to follow the course of the patient's illness for the duration of hospitalization and outpatient follow-up where appropriate. There are home reading assignments with learning objectives. Students also are required to complete a medical knowledge self-assessment test in the area of infectious diseases. Students will also get to work with the Hyperbaric/Infectious Disease program. It is certified by the Undersea and Hyperbaric Medical Society and it is operated solely by board-certified ID physicians. This is ideal for coordinating treatment with our wound care program and with providers in the region. Treatment is available 24/7 for emergency care. Students may also have an opportunity to participate in a clinical trial on an outpatient and inpatient basis.

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Nephrology Hypertension Consult - OHSU/VAMC
OHSU/VAMC Portland
NEPH 709A | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

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.

Nephrology Transplant Consult – OHSU/VAMC
OHSU/VAMC Portland
NEPH 709C | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7
Preqs: IMED 720

Students are expected to learn about the evaluation and management of patients undergoing renal transplantation, including pre-transplant evaluation and post-operative management. In addition, they are expected to learn about short and long term complications of renal transplantation. Activities include participation in all aspects of the service including in-patient rounds, outpatient clinics, operative procedures and organ procurement. Students evaluate 1-2 new patients per day and 4-6 patients in clinic. Students have the opportunity to observe renal transplants and renal transplant biopsies. Conferences include Combine Transplant Conference, Transplant Renal Biopsy Conference and Transplant Selection Conference. Students participate on a multidisciplinary team of transplant Medicine and Surgery specialists. Team members include Transplant Medicine and Transplant Surgery attendings, Transplant Medicine Fellow, Surgery Residents and a Transplant Pharmacist. Evaluation is based on observations of clinical performance and case presentations.
Nephrology Hypertension - Sacred Heart Medical Center  
Eugene/Springfield (approx. 100 miles south of Portland)  
NEPH 709H | Internal Medicine | 6 credits | 4 weeks | Rotations 2-5 & 7  
Preqs: IMED 720

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 Sacred Heart Medical Center, a tertiary care hospital. 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 monthly Biopsy Review, Clinical Case Conference, and Medicine Grand Rounds as well as informal journal review and didactic sessions. 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.

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Pulmonary Consult - OHSU or VA Medical Center  
OHSU Portland or VAMC Portland  
PULM 709C | Internal Medicine | 6 credits | 4 weeks | Rotations 3-5 & 7  
Preqs: IMED 720

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.

PULM CCU/ICU - VA Medical Center  
VAMC Portland  
PULM 709V | Internal Medicine | 6 credits | 4 weeks | Rotations 3-5 & 7  
Preqs: IMED 720, Satisfies ICU Requirement

Students gain direct experience with invasive and non-invasive monitoring techniques and ventilator management. Students function in a combined cardiac medical ICU. Call occurs every third night. This rotation covers techniques of critical care medicine; including management of patients with multi-system organ failure and other life threatening disease processes. Typically, patients have diagnoses including respiratory failure, ARDS, sepsis, GI hemorrhage, acute infarction, heart failure, and unstable angina. Formal attending rounds occur daily with both a cardiology and critical care attending. Students work directly with a resident and admit patients independent of the interns. In addition, students will meet weekly with the 4th year Clerkship Director to participate in a weekly subintern report. Evaluation is based on observed performance.