Anes-4013 Anesthesiology - WIH

Course Description:
The focus of this elective is to learn the principles of airway management. In addition, there will be an emphasis on learning about the peri-operative management of the surgical patient. You will work closely with Anesthesiologists, nurse anesthetists and anesthesia trained nurses.

Student's responsibilities during the rotation/course:
Students will work closely with various anesthesia care providers to learn about the management of the surgical and pregnant patient.
Derm-3040 Dermatology

Course Description:
Become familiar with common inflammatory and neoplastic dermatologic disorders. Determine when appropriate referrals to dermatologists are necessary. Become familiar with common dermatologic procedures including shave biopsy, punch biopsy, and cryotherapy.

Student's responsibilities during the rotation/course:
The student will participate in the diagnosis and treatment of a wide variety of patients presenting with primary and secondary skin diseases. The student will rotate through a variety of outpatient dermatology clinics and participate in inpatient consultations. He/she will present a 10-minute power point presentation on a dermatologic topic of their choice to their colleagues, dermatology residents, and at least one faculty member. There is an end-of-rotation multiple choice exam.
EM-5620 Emergency Medicine

Course Description:
What will you do in an Emergency? This course aims to build and expand the student's knowledge in medical and surgical emergencies encountered in children, adults and elders. Students are given the opportunity to evaluate and manage undifferentiated patients in a variety of departmental settings, including critical care, trauma, urban and community sites as well as a bit of pediatrics. Students are also trained in the skillful performance of emergency procedures along with the indications, complications and limitations of each. Students are encouraged to gain experience and proficiency in procedures through performance of procedures while in the emergency department.

Students are scheduled on morning and evening shifts, as well as two overnight and weekend shifts rotating through three emergency department sites. Students see patients selected with the guidance of an attending or resident physician in accordance with their level of training and/or interest. In general, students are allowed to evaluate any patient presenting to the emergency department and are not limited to certain types of patients or presenting complaints. Students are encouraged to take active primary responsibility for each patient they see and evaluate while working directly with a supervising physician in the care of their patients. The student performs an H&P, reviews records, orders lab and radiographic tests, and initiates consults after discussion of the case. Students are expected to use their theoretic knowledge along with the ability to both collect and organize a meaningful history and physical to formulate a list of problems and differential diagnoses. While creating a differential diagnosis, students should acknowledge the roles the patient's family, occupation and social environment play in the current illness, as well as any patterns of potential or existing health problems within the community. Based on the differential diagnoses, problem list and discussions with the patient, the student initiates investigations and consultations and then interprets this information. Students are encouraged, under direct physician supervision, to take a primary role in any procedures their patient needs. Clinical skills for each student are evaluated by direct observation, presentation to and discussion with the emergency medicine faculty physician supervising the student during each shift.

In the clinical realm, student's will be rated on their ability to accurately collect an H&P, give an organized oral case presentation, formulate an emergent focused differential and appropriate therapeutic treatment plan, recognize the need for urgent treatment and monitor the patient's progress over time.
Throughout the month small group sessions are scheduled to cover core topics in emergency medicine and discuss the therapeutic management of common emergency encounters. High fidelity simulation scenarios and hands-on small group sessions allow the student to experience treating critically ill patients in a controlled setting and gain experience in performing procedures. Students are required to attend these sessions as well as the orientation and weekly Emergency Medicine Departmental conferences. At the conclusion of the elective, students are expected to give a formal case presentation of a patient they were involved in during their EM rotation, and successfully pass the final written exam.

Students taking the elective during the summer and early fall may experience a more intensive course designed for those students planning to apply for residency in emergency medicine. A letter of recommendation (SLOE) will be provided for rotating students who request one.

**Student's responsibilities during the rotation/course:**

Students are responsible for direct patient encounters in the emergency department under the supervision of a physician. During direct patient encounters, the student is responsible for seeing and evaluating patients, creating a diagnostic and therapeutic plan, monitoring the patient's progress over time, checking results and seeing the patient through to disposition. Students are expected to use their diagnostic reasoning and clinical judgment abilities to formulate a therapeutic treatment plan based on data from the patient history and physical examination. Students are responsible for monitoring patient progress and adjusting the treatment plan accordingly based on changes in patient condition and/or new information. Students are responsible for obtaining consultations and referrals when needed, and regularly updating patients and families on test results and plans.

Students are expected to work well within a team environment, act professionally and demonstrate care for the patients they evaluate and the families they encounter.

Students are also responsible for attending and participating in all scheduled conferences and didactic sessions unless a specific waiver is granted.
ENT-4210 Otorhinolaryngology

Course Description:
In this course the student will be introduced to the field of Otolaryngology, both in inpatient and outpatient settings. The student will become familiarized with the physical examination of the head and neck and will receive a broad exposure to the clinical practice of ENT medicine and surgery. The student will work with the hospital-based ENT team, helping manage inpatients, assessing floor and ER consultations, and participating in surgeries and procedures in and out of the operating room. The student will also attend the outpatient ENT clinic.

Student's responsibilities during the rotation/course:
Fully participate in daily duties of the ENT Service at Rhode Island and Hasbro Children's Hospitals, including all aspects of patient management and attendance at all conferences.
FM-5480 Rural Family and Emergency Medicine

Course Description:
Students work in a collegial, fun, and educationally high-yield, team environment alongside a board certified emergency medicine physician (and previous EM Residency Director) and a Family Practice NP, to provide primary, urgent and emergency care for patients of all ages from among Block Island’s resident and tourist population. Students gain valuable experience performing and presenting history and physical exams and generating differential diagnoses/treatment plans with the provider. The course is procedure oriented and students will gain expertise in performing and interpreting ECG’s, point of care testing, bedside diagnostic ultrasound, plain radiography, wound care, laceration repair, care of orthopedic injuries, and arthrocentesis under direct supervision and with one on one teaching.

Students also gain first hand exposure to helicopter transfers of emergent trauma and medical patients to mainland facilities.

Bedside teaching is augmented with weekly director's rounds, ECG conference and patient follow-up conference.

Primary care is predominant in November through May. Urgent/Emergent care is predominant in July and August when visits range from 25 to as high as 50 visits per day as a result of increased tourism.

Students are required to present one didactic follow-up conference during the rotation.

For more information about Block Island Medical Center and the student rotation go to: bihealthservices.com and look under the education tab.

Student's responsibilities during the rotation/course:
Evaluate and provide care for primary care and emergency patients at the Block Island Medical Center under direct supervision of a board certified Emergency Medicine attending and advance family medicine nurse practitioner. Take after hours calls and respond to emergencies, assist with resuscitations and medivacs, also under direct supervision.
IM-3020 Nephrology - RIH

Course Description:
The goal of the nephrology elective is to introduce students to all aspects of clinical nephrology, building on the material they covered during the renal pathophysiology course during their second year. The elective is offered at 3 sites: Rhode Island Hospital, The Miriam Hospital and the VA Medical Center of Providence. Working with attending physicians, renal fellows and residents, students will perform consults on the inpatient service and have the opportunity to see patients in the outpatient clinics. Scenarios encountered may include acute kidney injury, chronic kidney disease, electrolyte and acid-base disorders, hypertension, kidney stones, evaluation of proteinuria and hematuria, need for different modalities of renal replacement therapy, role of palliative care in nephrology. They will learn to examine the urine sediment under the microscope.

Student's responsibilities during the rotation/course:
Perform initial consult, obtain necessary supporting information, formulate a plan with help of the renal fellow and present to the team. Students will be expected to follow patients on whom they have consulted and may be asked to follow patients on the team when other members are out. Students will be expected to read as directed.
IM-3030 Nephrology - MH

Course Description:
The goal of the nephrology elective is to introduce students to all aspects of clinical nephrology, building on the material they covered during the renal pathophysiology course during their second year. The elective is offered at 3 sites: Rhode Island Hospital, The Miriam Hospital and the VA Medical Center of Providence. Working with attending physicians, renal fellows and residents, students will perform consults on the inpatient service and have the opportunity to see patients in the outpatient clinics. Scenarios encountered may include acute kidney injury, chronic kidney disease, electrolyte and acid-base disorders, hypertension, kidney stones, evaluation of proteinuria and hematuria, need for different modalities of renal replacement therapy, role of palliative care in nephrology. They will learn to examine the urine sediment under the microscope.

Student's responsibilities during the rotation/course:
Perform initial consult, obtain necessary supporting information, formulate a plan with help of the renal fellow and present to the team. Students will be expected to follow patients on whom they have consulted and may be asked to follow patients on the team when other members are out. Students will be expected to read as directed.
IM-3050 Gastroenterology

Course Description:
This course emphasizes the pathophysiology of liver and GI diseases and how this information can be employed to understand disease symptoms, progression and resolution in the context of a consultation. The students are expected to master history and physical diagnosis skills and to identify GI and liver diseases including their complications and progressions. Emphasis is placed on basic concepts in physical diagnosis, laboratory evaluation and treatment plan. Basic science information is integrated into disease pathogenesis and the student is expected to read widely on their patients to understand the disease process and how it impacts patients activities and performance. Students are expected to present their patients on service rounds to the Attending, Housestaff, and GI Fellows and are part of the team approach to the diagnosis and management of GI/Liver diseases.

Student's responsibilities during the rotation/course:
Student will see patients and discuss them with the fellow, make rounds with the attending and the student will attend endoscopy procedures and attend various radiology pathology, and physiology conferences given by the department.
IM-3065 Infectious Disease - MH

Course Description:
Inpatient Infectious Disease consults.

Student's responsibilities during the rotation/course:
The student's primary activity will be to perform an in-depth evaluation (based on a detailed history and physical exam) on inpatients seen in consultation on a busy Infectious Disease Service. Students will participate in multi-disciplinary rounds and teaching conferences directed at diagnosis and management of these infections.
IM-3070 Infectious Disease - RIH

Course Description:
Inpatient Infectious Disease consults.

Student's responsibilities during the rotation/course:
The student's primary activity will be to perform an in-depth evaluation (based on a detailed history and physical exam) on inpatients seen in consultation on a busy Infectious Disease Service. Students will participate in multi-disciplinary rounds and teaching conferences directed at diagnosis and management of these infections.
IM-3080 HIV Outpatient elective

Course Description:
The Immunology Center provides care for 1800 people living with HIV and is the largest HIV clinic in southeast New England. We provide comprehensive care in a multidisciplinary Ryan White-funded clinic. This rotation familiarizes students with all aspects of outpatient HIV primary and specialty care, with additional optional experiences working in our MAT (medication assisted therapy, buprenorphine) program, in the STI clinic, and RISE (tuberculosis) clinic settings. The majority of this rotation is experiential – working with HIV specialists in the care of their patients – and the learning associated with individual patient encounters. Supplemental readings chosen to highlight and augment these specific topics are also provided. This is a great outpatient experience to build a strong foundation in knowledge of HIV management. Students also interested more generally in outpatient infectious diseases may take this elective and their clinical rotation can be tailored to include time with clinicians who specialize in Hepatitis C, Lyme disease, travel medicine, and/or general infectious diseases consults.

Student's responsibilities during the rotation/course:
Students will participate in outpatient assessments of patients with HIV and/or AIDS, develop a familiarity with the antiretroviral medications most commonly used, present patients to the attending physicians, and work within a multidisciplinary team to deliver quality care to HIV positive patients.
IM-3100 Cardiology - RIH

Course Description:
Students will be an active part of the Cardiology Consult service at Rhode Island Hospital. The team consists of an attending cardiologist, first or second year cardiology fellow and often a rotating medical resident or other medical student. Students will independently see and evaluate new consults and present their findings to the cardiology fellow. They will then see the patients with the cardiology attending on afternoon rounds. Students will be expected to generate an appropriate differential diagnosis as well as an appropriate treatment plan. Participants will also be encouraged to attend the full complement of weekly conferences that occur in the cardiology division.

Student's responsibilities during the rotation/course:
Perform a history and physical on new inpatient consults. Present their findings to the cardiology fellow as well as the cardiology attending. Formulate an appropriate differential diagnosis and treatment plan. Continue to follow their patients as appropriate during the remainder of their hospital stay. Attend didactic conferences.
IM-3110 Cardiology - MH

Course Description:
This course serves as an introduction to the care and evaluation of cardiac patients with acute cardiac disorders, particularly acute coronary syndromes, admitted to The Miriam Hospital CCU.

In addition, cardiology consultations will be performed under the guidance of the cardiology fellow and attending on selected patients from the cardiac and medical floors.

Through this exposure the student will gain experience with diagnosis and management of cardiac patients and will be introduced to interpretation of the electrocardiogram, as well as to other diagnostic modalities including echocardiograms and cardiac catheterization.

Direct supervision will be provided by a team of Cardiology attendings and Cardiology fellows, as well as a team of experienced Cardiology APPs and medical residents.

Student's responsibilities during the rotation/course:
Obtain histories and perform physical examination of cardiac patients. Formulate differential diagnosis and treatment plans. Present cases on morning teaching rounds. Perform outside reading and prepare brief oral presentations on assigned cardiology topics.
IM-3120 Coronary Care Unit (CCU)

Course Description:
This course serves as an introduction to the care and evaluation of critically ill cardiac patients in the CCU at RI Hospital. Special emphasis will be placed on the diagnosis and daily management of cardiac patients with acute coronary syndromes, complications of myocardial infarction, advanced heart failure and life-threatening cardiac arrhythmias.

There will also be exposure to patients with valvular heart disease including patients undergoing percutaneous aortic valve replacement and mitral valve clip placement.

Direct supervision will be provided by a rotating team of Cardiology Attendings and Cardiology fellows. Assistance and guidance will also be provided by an eight member team of Medical Residents assigned to the CCU monthly.

Student's responsibilities during the rotation/course:
Attend and participate in daily rounds in the CCU. Work up and follow patients as assigned by the team (usually 1-2 patients). Attend and participate in scheduled conferences.
IM-3165 Med/Peds Infectious Diseases - RIH

Course Description:
This is an opportunity to experience the breadth of infectious diseases across the age spectrum in both the inpatient and outpatient settings. Students spend two weeks in each division with time spent on the inpatient consult services in both pediatrics and medicine with opportunities to work in outpatient clinics caring for children and adults with HIV and other infectious diseases. It is a good opportunity to observe physicians with combined training in an academic setting. There is an opportunity to shadow residents in the primary care clinic associated with our combined residency program. The elective is not a substitute for participating in an elective in either parent department if the student already has a strong inclination to pursue training in categorical medicine or pediatrics.

Student's responsibilities during the rotation/course:
Students will see new consults and then work with residents, fellows and the supervising attending to develop a differential diagnosis and plan for evaluation and treatment. Emphasis is placed on taking a detailed history, working through problems in a logical and thoughtful manner, developing a plan of care, communicating with patients and other physicians caring for the patient and following problems to their resolution.
IM-3230 Hematology Oncology - MH

Course Description:
Develop expertise in principles of Hematology/Oncology Care

Student's responsibilities during the rotation/course:
Student is expected to be an active participant in both the inpatient and outpatient setting to participate in all case presentations, seminars and conferences. They will also spend time with hematology, pathology and blood banking personnel.
IM-3290 Pulmonary Diseases - RIH

Course Description:
One month of evaluating patients with diverse pulmonary conditions and pathologies; this includes time working with the Fellow, taking independent histories and physicals; some bedside procedures; attending conferences.

Student's responsibilities during the rotation/course:
Students' primary activities will be work-ups of 1-2 pulmonary patients per day, daily afternoon rounds with attending and observe pulmonary procedures.
IM-3315 Pulmonary - Inpatient

Course Description:
This month long elective will focus on all aspects of inpatient pulmonary medicine care. The student will be a member of the TMH pulmonary medicine team with a pulmonary fellow and pulmonary attending. They will perform inpatient consultations. There will also be an active journal club.

Student's responsibilities during the rotation/course:
Perform new inpatient consultations. Evaluate patient and formulate a plan. Communicate with patients, family and other caregivers about plan. Assist in procedures. Participate in weekly journal club meeting. Student will document original consults and follow-ups.
IM-3405 Medical Consult in OB/Gyn & Periop Med

Course Description:
This rotation allows students to gain a good understanding of how internists can play an important role in the care of women who develop or have pre-existing medical conditions in pregnancy. Care in the preconception & post-partum periods are emphasized as well. Students gain experience in caring for these women both in the inpatient setting (usually more acute problems) and outpatient setting (ongoing care & counselling of patients). Students also gain experience in acting as a medical consultant to post-operative surgical patients from the Gyn Oncology service.

Below is a sample list of the most common medical disorders encountered during this rotation: Hypertensive disorders in pregnancy & preeclampsia; Peripartum cardiomyopathy & arrhythmias in pregnancy; Asthma in pregnancy; Liver disorders & inflammatory bowel disorders in pregnancy; Diabetes, obesity, thyroid & endocrine disorders in pregnancy; Polycystic ovarian syndrome hepatitis in pregnancy; Thromboembolic conditions & bleeding disorders in pregnancy; Rheumatoid arthritis & SLE in pregnancy; Headaches & seizures in pregnancy.

Student's responsibilities during the rotation/course:
Be an integral part of the inpatient consultative service - students will be expected to assume primary ownership of patients as assigned by the attending or fellow of the day. Participate in outpatient clinics as assigned by the course leader. Give a formal presentation to the department towards the end of the rotation on a topic as assigned by the course leader.
Neuro-3760 Neurology

Course Description:
A vigorous introduction to general Neurology in the outpatient setting with a small amount on inpatient exposure. This is a hands on experience where the student will be exposed to a wide variety of chronic neurological conditions from migraine headache, to epilepsy, multiple sclerosis, movement disorders, dementia and cerebrovascular disease.

Student's responsibilities during the rotation/course:
An expectation of attending the outpatient office daily with allowances for didactic lectures and other responsibilities of their particular level of study. Performing Neurological history and exam on consenting patients. Presenting findings and thoughts to the attending. Reading up and presenting short topics surrounding patient diagnoses that may be asked of the student by the attending.
Neurosurg-3800 Neurosurgery

Course Description:
At the completion of this clerkship the student should have a good understanding of neurosurgical history taking and physical examination. They will also have a basic understanding of numerous routine and emergent neurosurgical diseases in the emergency room, Neuro ICU, inpatient ward and operating room. If it is their goal, the student will have ample opportunity for hands on operative experience.

Student's responsibilities during the rotation/course:
Participating in morning rounds with the neurosurgical team. Participating in care of the patients in the neuro ICU and inpatients. Participating in the operating room while observing, learning and performing basic surgical skills.
ObG-4940 Reproductive Endocrinology & Infertility

**Course Description:**
The fourth-year medical student in Reproductive Endocrinology will rotate through our service for a period of approximately four weeks. During that time, the student will interact with all the full-time faculty, fellows, and residents in the Division. Dr. Victoria Snegovskikh serves as the course director. The medical student will become familiar with reproductive endocrine surgery and will be given the opportunity to observe the in vitro fertilization process and laboratory as well as research principles in reproductive endocrinology.

The medical student reports in the morning with adequate time to round on any inpatients and be available at the OR to assist in any surgery that is scheduled. The medical student is expected to scrub on these procedures, and his/her "hands-on" experience will vary depending on the level of difficulty of the case and the level of experience of the resident and medical student.

The medical student is also expected to attend the office hours of the physicians in the practice in order to gain an understanding of outpatient services and work up of patients prior to interventions.

With the assistance of Dr. Snegovskikh or an assigned faculty preceptor, the medical student will coordinate a presentation for the division physicians, fellows and residents. The choice of topic is the student’s and will be selected early in the rotation to allow adequate preparation time. This is a great opportunity for the student to develop presenting skills, to pursue an area of interest in greater depth, and for the residents in the department to get to know them.

Because of the expectations of our patients, the medical student should maintain a professional appearance and interaction with the reproductive endocrinology patients. Street clothes and a white lab coat are preferred. No independent decisions should be made by the medical student without consulting the attending.

During the course of the rotation, the medical student is expected to meet weekly (along with the resident) with a faculty member to discuss topics. The medical student is also responsible for scheduling a meeting with Dr. Snegovskikh to take place after two weeks and at the end of the rotation to review his/her progress and to provide the student the opportunity to give feedback concerning the rotation.
Student's responsibilities during the rotation/course:
The student will work directly with all attendings as well as the residents and fellow on the service. The division is active in surgical procedures and students get to participate in them, as desired.
ObG-4975 Gynecologic and Breast Pathology

Course Description:
This course is designed to give the student the opportunity to develop a more in depth knowledge of common, as well some uncommon, conditions affecting the female genital tract and breast. These will include both benign and malignant processes seen in the uterus and endometrium, cervix, ovaries, fallopian tubes, vagina, vulva, and breast. Students will participate in intraoperative consultations, grossing of large surgical specimens and sign out of biopsies and large surgical specimens. In addition, students will attend multidisciplinary gynecologic and breast tumor boards as well as intradepartmental educational conferences. Honors is available to students who complete a 4 week rotation and a small project.

Student's responsibilities during the rotation/course:
Participate in intraoperative consultations and frozen sections. Observe grossing of large surgical specimens. Perform microscopic evaluations of biopsies and surgical specimens with residents, fellows, and attendings. Attend weekly multidisciplinary gynecologic and breast tumor boards. Attend daily consensus conferences and various intradepartmental educational conferences.
Ophtho-4030 Ophthalmology

Course Description:
An exposure to a high pathology multi faceted ophthalmology practice. The student will spend time with various sub-specialists in ophthalmology (anterior segment, cornea, glaucoma, retinal diseases, pediatrics and oculoplastics) learning to perform a basic eye exam and gain an understanding of ophthalmic physiology and pathology.

Student's responsibilities during the rotation/course:
Alongside the attending physician students are expected to participate in the evaluation of patients with ophthalmic pathology. This will include taking an appropriate history, external examination, performing a slit lamp exam, and direct ophthalmoscopy. They will also observe and/or participate in surgery.
Ortho-3960 Orthopedic Surgery

Course Description:
Students will spend 4 weeks on this clerkship, request for a shorter clerkship time period will be denied. Students will be assigned to 2 services during their time with us. One of the services will be pediatric orthopedics where the student will have exposure to the residency program director or the hand service where they will spend time with the department chairman. The other two weeks will be spent on one of our additional sub-specialty services which include: adult reconstruction, shoulder & elbow, foot & ankle, sports medicine, spine, and trauma. Students will have the option to choose which sub-specialty they would like to spend the additional 2 weeks on and requests will be honored whenever possible. Students will work with the resident(s) and faculty members as part of the service team. Students will gain experience in the OR, the ED, on the patient floors, as well as in the clinic and physicians' private offices.

Student's responsibilities during the rotation/course:
Students will be expected to take overnight call with the trauma resident(s) on call, once a week. Read material pertinent to the subspecialty service they are on and read for operative cases for which they will be participating in. Students will also round in the morning with their service team and attend lectures and labs with the residents. Students are expected to be prepared and to work as part of a team.
Path-6110 Applied Pathology

Course Description:
This is a predominately observational based rotation focusing on Anatomic Pathology with two week and four week options. (Four week rotators will have some exposure to Clinical Pathology and required to do an oral presentation.) The purpose of the rotation is to make pathology less of a "black box" and therefore to better understand pathology's relationship to the other specialties.

Student's responsibilities during the rotation/course:
As in other clinical rotations students will "shadow" house staff (pathology residents). This will entail: 1. Participation in several autopsies including the chart review, evisceration and dissection of organs, gross review of organs with the attending pathologist, microscopic review with resident and attending, construction of an autopsy report and attendance of morbidity and mortality rounds when applicable. 2. Retrieval of surgical specimens from the operating room where indicated, performing of frozen sections as necessary, gross dissection of selected cases and microscopic sign out with attending pathologist including active participation in the discussion. 3. Attendance of departmental conferences (resident lectures and grand rounds) and multidisciplinary conferences (e.g. breast and GI tumor boards, GI conference).
Path-6120 Research in Perinatal/Pediatric Pathology

Course Description:
A) In the area of Developmental, Obstetric, and Pediatric/Perinatal Pathology, after reviewing the available data, generating problem oriented hypotheses using creative thinking, logic, and unconventional approaches resolving the problems of choice.

B) In the area of Developmental, Obstetric and Pediatric Pathology retrospective analysis of archival data with the use of biostatistics and translational tools such as immunohistochemical techniques.

Student's responsibilities during the rotation/course:
A) Analyze published literature and after identifying unanswered and significant questions in Perinatal and Obstetric and Pediatric Pathology to produce novel ideas and/or approaches with hypothetical discussions to resolve these issues,
B) Use of archival fetal, neonatal and pediatric materials to test hypotheses regarding diseases of embryos/fetuses and newborns.
Path-6140 Seminar in Clinical-Pathological/Devel. & Pedi Pathology

Course Description:
The is an elective with the following specific objectives:
- Exposure to perinatal pathology
- Learn about human fetal embryology and development
- Observe and understand histopathological examinations of placentas, their anatomy, their importance and their clinical correlations
- Observe and understand how post-mortem examinations are conducted and their clinical significance and anatomy
- Learn clinical pathological correlation of a wide variety of pediatric disease entities by visual methods and individual discussions
- Experience can be tailored to various specialty tracks such as pathology, OBGYN, general pediatrics, pediatric cardiology, pediatric neurology, neonatology etc
- Review the newest techniques applicable to disease diagnosis and patient care with probably impact on future practice of medicine
- Review how to use the knowledge base in perinatal/pediatric pathology to decrease your legal exposure

Student's responsibilities during the rotation/course:
- Observe placental and post-mortem examinations
- Review case presentations of clinical pathological correlations in pediatric/perinatal pathology
- Attend Division and other related conferences held by other departments
- Read and conduct literature reviews on relevant topics
- Interested students can have the opportunity to work on a research project on a topic of interest that can extend beyond the time of the rotation
Path-6150 Neuropathology

Course Description:
This is an elective for students who desire a refresher course in neuroanatomy and neuropathology and/or are pursuing careers in brain-related disciplines. Students will take part in the day-to-day activities of the neuropathology division, including brain cutting, neurosurgical and brain autopsy case sign-out, brain tumor boards, neuromuscular conference, didactic conference, consensus conference, Grand Rounds, and Journal Club. Students should also be present for frozen section evaluations of neurosurgical cases in the operating room and removal of brains and spinal cords at autopsy in the morgue.

Student's responsibilities during the rotation/course:
Students will be responsible for attending all neuropathology division-related activities and conferences. They must review normal neuroanatomy and basic neuropathology in order to get the most out of the elective. Students who take the 4-week elective will also have to prepare an oral presentation on a neuropathology topic to be delivered during the last week of the elective.
Peds-4540 Child Development and Developmental Disabilities

Course Description:
Students will spend time in the CNDC with Developmental Behavioral pediatric attendings and fellows, observing and participating in evaluations of children with developmental, behavioral and learning challenges. Students will increase their understanding of typical child development and behavior, as well as, atypical development, including developmental delays, autism and learning disabilities.

Student's responsibilities during the rotation/course:
Clinical observations and participation in patient evaluations. Readings on relevant topics, literature review and oral presentation on topics of choosing related to Development and Behavior.
Peds-4550 Adolescent Medicine

Course Description:
The Adolescent Medicine elective is designed to provide broad exposure to adolescent health topics (ranging ages 10-26). Participants will participate in multiple clinical settings, and experience both primary and subspecialty adolescent medical care.

Student's responsibilities during the rotation/course:
Students will be expected to be active participants in patient care in all clinical settings, and to communicate and document their clinical findings appropriately.
Peds-4570 Pediatric Infectious Disease

Course Description:
The student's primary activity will be participation on the Hasbro Children's Hospital pediatric infectious diseases consultative service, which includes care of both hospitalized and ambulatory patients.

Student's responsibilities during the rotation/course:
Students will be responsible for both work up and follow up of patients with infectious disease problems in both inpatient and outpatient settings.
Peds-4580 Pediatric Endocrinology

Course Description:
The pediatric endocrinology elective will expose students to common and uncommon endocrine diseases. The common diagnoses include diabetes (type 1 and type 2), growth disorders, obesity and insulin resistance, pubertal disorders including precocious puberty, and thyroid disease. Students will also learn about pediatric adrenal disorders, hypoglycemia, and bone-related disease. Students spend time in the outpatient clinic, inpatient consultation service, and attend teaching conferences.

Student's responsibilities during the rotation/course:
A schedule will be provided at the beginning of the rotation. Students are expected to attend clinics, rounding, and conferences. Students will see patients independently and then discuss with the precepting attending, and together develop a plan for further evaluation and treatment.
Peds-4600 Pediatric Neurorehabilitation

Course Description:
Pediatric movement disorder rotation with emphasis on neurologic evaluation and multidisciplinary treatment of children with cerebral palsy, and neuromuscular disorders.

Student's responsibilities during the rotation/course:
Participate in evaluation and treatment of children with CP and other movement disorders in the clinic and OR.
Peds-4655 Gender, Sexuality & Reproductive Justice

Course Description: This elective will provide an exposure to the fields of gender and sexual health, and its relation to the Reproductive Justice framework, through experiences in a variety of clinical, community-based, and professional practices. Students will rotate with the following clinics: Gender and Sexuality Clinic (GSC) at Hasbro Adolescent Health Center, the Medicine-Pediatrics Clinic (MPC) at Rhode Island Hospital, the RI Transgender and Sexual Behavioral Health Program (TSBH), the Transgender Health Access Team (THAT) at Thundermist Health Centers, and other community-based settings based on the trainee’s interest.

Activities: Students will see patients (and often their families in pediatric settings) for initial consultations of gender, sexual, and reproductive concerns. They will also be involved in follow up visits, same-day visits, and reproductive health procedures. Medically, some of the areas addressed will include: vulvovaginitis, menstrual problems, pubertal concerns, prevention of STIs/HIV and pregnancy, insertion/removal of long-acting contraceptives (LARCs), support for social affirmation, pubertal suppression, and gender affirming hormonal care (estradiol, testosterone, progestins, etc.). From a psychiatric perspective, students will see patients for new intakes/consultations and follow up visits to assess the complex interplay between gender and psychiatric concerns. They will see patients with complex high-risk psychiatric presentations including psychosis, bipolar disorder, complex trauma, chronic suicidality and self-injury. They will help patients cope with difficult family dynamics, substance abuse and multiple socioemotional concerns. They will assist in prescribing new psychotropic medications, and participate in brief therapy to address management of stressors, motivational interviewing, and helping patients work towards self-understanding and acceptance.

Optional Activities Students will have 2 half days (Tuesday AM and Friday PM) for community site visitation (Youth Pride, Center for Sexual Pleasure, etc.), reading time, potential independent projects, and to shadow THAT peer navigators on community calls (if they come up and are appropriate). Students may choose to participate on a Tuesday evening in evaluations of acutely ill adult patients in the psychiatric emergency room. There are opportunities for community advocacy projects, case reports, and small research project if trainees are interested during the elective or after.

This is a clinic that serves a historically underrepresented and vulnerable population. Our focus is on not just attaining necessary clinical skills to provide trans competent care for gender diverse and transgender patients, but to move forward their individual and professional commitment to reproductive justice, and build greater capacity for the culture of medicine to take responsibility for nurturing a just and equitable social justice for our gender diverse community.
Student's responsibilities during the rotation/course:
Medical student documentation is actively incorporated into clinic notes and the medical record.

Learners will be expected to: review the rooming and medical history; write a clear and concise soap note; review labs, studies, PE data and incorporate these findings into their synthesis and recommendation; create problem-based assessment and plans that organize data in a streamlined and coherent manner. Learners will pend orders, review and document on labs and studies, and pend prescriptions. The student’s medical documentation will be essentially the same as the attending MDs and other resident learners in clinic.
Course Description:
Students will be instructed in the basic techniques within the general area of plastic surgery including, but not limited to:
1. craniofacial surgery/facial trauma
2. breast surgery
3. reconstructive surgery
4. microvascular surgery
5. hand and upper extremity surgery
6. cosmetic surgery

At completion of the course, students will have obtained a better understanding and a balanced perspective of plastic and reconstructive surgery.

Methods of instruction (didactics):
1. Monday: 7 am weekend review/trauma
2. Tuesday: 7 am Combined Hand Surgery Conference (Orthopaedics and Plastic Surgery)
3. Wednesday: 7 am Grand Rounds, 8am PSEN education, 9 indications
4. Friday: Monthly craniofacial multispecialty conference
   **additionally monthly vascular anomalies conference, multispecialty clinic, Thursday 12-2pm**

Student's responsibilities during the rotation/course:
1. All students will be responsible for helping with ward management of the plastic surgery patients.
2. Admission history and physicals will obtained in concert with the residents.
3. Focus will be on the operating room but call and clinic are important components.
4. The expectation is that the students will take night call with the residents every 1/3 or 1/4 nights.
4. The students will give a didactic end of clerkship presentation at the end of their clerkship.
5. The expectation is that the student will read and prepare for cases.
Psy-3390 Psychiatry in Medical Practice

Course Description:
Diagnosis and treatment of patients with neuropsychiatric illness at the medicine-neurology-psychiatry interface. Participation in a busy multi-disciplinary consultation psychiatry team. Daily assignment of new cases and follow-up of established cases. Team members include 3 attendings, 1-2 advanced practice nurses, 3rd year medical students rotating on their core CNS clerkship, residents in Psychiatry, Neurology, Medicine and Triple Board training programs, and a Fellow in CL Psychiatry. You will assume primary responsibility of your patients with direct resident, fellow and attending oversight. Diagnoses and clinical situations to which you will consult include delirium, dementia, agitation, medical illness in patients with severe and persistent mental illness (SPMI), substance intoxication and withdrawal, suicidality, TBI, poly-trauma - as well as cancer, surgery, stroke, epilepsy, and other conditions and their related neuropsychiatric effects. Psychosocial and biological brain-basis-of behavior approaches to diagnosis and treatment will be explored and utilized.

Student's responsibilities during the rotation/course:
Chart review, neuropsychiatric examination (MSE and associated assessments), pertinent medical and neurological examinations, case presentation, case follow-up, participation in team meetings.
Psy-5130 Addiction Psychiatry

Course Description:
Butler hospital has a very comprehensive continuum of care in addictions. There are opportunities to participate in detoxification programs, both inpatient and outpatient, and the day hospital rehabilitation program. There are also opportunities to get some experience throughout the continuum. While two week rotations are acceptable, the opportunity to become integrated in the team, and possibly explore participating in critical thinking research on the topic, four weeks is strongly recommended.

Student's responsibilities during the rotation/course:
Participate in initial evaluation of new patients. Participate with multidisciplined treatment team providing treatment, this would include individual sessions, group sessions, family sessions documentation of initial evaluations and progress notes for patients’ opportunity to participate in didactic medical education to patient population in group setting opportunity to consider writing/publishing clinical case report.

Course Description:
This course provides an overview of integrated care in Pediatrics and Child & Adolescent Psychiatry through the Medical Psychiatric Program at Hasbro Children's Hospital. Students are assigned to either the inpatient med-psych unit ("Hasbro Six Green") or the intensive outpatient program ("Hasbro Partial Hospital Program") as their primary site. Students carry a caseload and participate in care that includes pediatrics, psychotropic medication management, and psychotherapy (individual, family, and group) as a member of the multi-disciplinary treatment team. In addition to this primary clinical responsibility, students receive a schedule that includes 2-3 additional clinical experiences per week across the specialties of Pediatrics, Psychiatry, and Child & Adolescent Psychiatry. They are expected to participate in didactics and various activities unique to the Brown Triple Board residency program, with the goals of learning to navigate multiple systems and gaining an understanding of the Triple Board experience and philosophy.

Student's responsibilities during the rotation/course:
Serve as primary provider (medical/psychiatric) for 1-3 patients at a time on the primary clinical site. Participate in additional clinical experiences (approximately 2-3 per week during weeks 2-4 of the rotation) and didactic experiences as scheduled. Meet with both primary preceptors and course director or chief resident on a regular basis. Provide a 10-20 minute presentation on a relevant clinical topic at the end of the rotation to the multi-disciplinary team.
Psy-5230 Emergency Psychiatry

Course Description:
This elective provides students with the unique opportunity to participate in the evaluation, diagnosis, and short term treatment planning for acutely ill psychiatric patients. Under close supervision by the faculty and staff of this service, students gain experience in the rapid assessment of major psychiatric illnesses, acute stabilization, and rapid application of pharmacological and psychotherapeutic treatments. Students will spend time at various sites including Butler PAS, Rhode Island Hospital D-Pod, and Hasbro Emergency Department. Students will work with attending psychiatrists, Bradley clinicians, Brown psychiatry residents and child psychiatry fellows, as well as Gateway Health Clinicians.

Student's responsibilities during the rotation/course:
Complete a minimum of four shifts per week. Participate in the evaluation, treatment, and disposition of acute/urgent cases. Assist staff in collecting all relevant information on the patient, including reviewing past medical records. Discuss cases with attending psychiatrist, residents, or other involved physicians.
Rad Onc-6400 Radiation Oncology

Course Description:
This course is designed to offer students an exposure to the breadth and depth of radiation oncology as well as cancer care in general. Students will have an opportunity to see patients at the time of initial presentation, during therapy, and in follow-up care for a variety of malignancies. Students will also learn the importance of multi-disciplinary care and evidence based approach for the treatment of these patients. This elective is designed not only for those students who have a specific interest in radiation oncology but also for those who desire a broader understanding of malignant disease and its clinical characteristics. For students interested in pursuing a residency in radiation oncology, we provide the opportunity for guidance, mentorship and research opportunities.

This elective is based at 2 locations, The Department of Radiation Oncology at Rhode Island Hospital (RIH) and North Main Radiation Oncology (NMRO). The Department of Radiation Oncology at RIH is a hospital-based, outpatient center and site of our residency training program in Radiation Oncology. NMRO is a high-volume, outpatient, free-standing center.

The opportunity for exposure at both sites allows for the student to see patient care in both hospital-based and community-based settings. The proportional time spent at each location can be tailored to the interests and goals of the students. During the elective, students will actively participate in history taking and examination of new patients, conferences/discussion with patient families and discussion of treatment options and the implications of their diseases. Students will learn about general principles of oncology, including natural history, diagnostic workup and staging of cancer as well as basic principles of radiation therapy, radiation biology and radiation physics.

Students will be introduced to treatment planning and the technical aspects of radiation biology and radiation physics.

Students will be shown treatment planning and the technical aspects of radiotherapy, including simulation, 3D conformal therapy, IMRT/IGRT, brachytherapy and stereotactic radiosurgery.
Student's responsibilities during the rotation/course:
Students are expected to be present and on time reading material is provided and students are encouraged to attend. chart and teaching rounds
Surg-3920 Surgery of the Alimentary Tract - RIH

Course Description:
Exposure to GI Surgery - predominantly colorectal surgery. The student will be actively involved in seeing patients in the preoperative setting, postoperative setting and in the operating room. In the operating room, not only will students observe and assist with cases, but they will also have a chance to perform some basic surgical skills under direct supervision. Furthermore, the student will also have an opportunity to visit the endoscopy suite once a week to see both screening and diagnostic colonoscopies.
Surg-4120 Cardiothoracic Surgery

Course Description:
The cardiothoracic surgery rotation is designed to expose students to the preoperative, intraoperative and postoperative care of adult cardiac surgery patients. Students will have an opportunity to participate in daily morning rounds and to spend their days either in the ICU or in the operating room. There is no set assignments. Students are free to choose how they spend their day. They will also have the opportunity to see preoperative patients with the course director in clinic on Thursday mornings. This rotation will work best by seeking out opportunities and we encourage the students take an active role in the learning process.

Student's responsibilities during the rotation/course:
Students will participate in daily morning rounds and operative procedures. They will not be required to take night call. They can choose to spend some days in the ICU and step down unit, involved with the care of our post-operative patients as well. They will be given competencies check list that we encourage them to complete over the course of the rotation depending on how long they are on the service.
Surg-4250 Trauma

Course Description:
The student will attend all departmental/divisional educational opportunities. The student will be clinically active and follow trauma patients throughout their hospital course as well as present them at morning report. Excessive missed days off from rotation will need to be made up or result in an incomplete grade.

Required to take at least one "in house call" in order to be eligible for Honors.

Student's responsibilities during the rotation/course:
The student will attend all departmental/divisional educational opportunities. The student will be clinically active and follow trauma patients throughout their hospital course as well as present them at morning report. Excessive missed days off from rotation will need to be made up or result in an incomplete grade.
Surg-4280 Introduction to Thoracic Surgery - RIH

Course Description:
Student will learn the fundamentals of both basic and clinical sciences of thoracic surgical disease. In addition the student will learn the clinical presentation, diagnostic work up and treatment of both benign and malignant diseases of the lungs, esophagus, trachea, mediastinum and chest wall.

Student's responsibilities during the rotation/course:
Student is expected to evaluate and care for patients during office clinics, in the emergency room, and on the hospital wards. Student is also expected to spend time in the operating room, learning and assisting during thoracic surgical procedures. Time will also be spent with other specialties such as medical oncology, radiation oncology, diagnostic imaging, pulmonary medicine and pathology. The student will attend and participate at thoracic teaching conferences twice a week, every Monday and Thursday mornings.
Uro-4150 Urology - RIH

Course Description:
The student(s) will obtain a basic understanding of general urologic disease processes. The student(s) should learn to perform a comprehensive urological history and physical examination and obtain knowledge on the various disciplines within the field of urology. You should obtain a copy of the Smith's General Urology during this rotation. At the end of the rotation the student(s) will be expected to give a 25 minute powerpoint presentation and a 5 minute question and answer to the urology faculty and residents.

Student's responsibilities during the rotation/course:
Attendance and readings on problems seen in the office and operating room.