

PROGRAM LETTER OF AGREEMENT  
ATTACHMENT H to the MASTER AFFILIATION AGREEMENT  
between UNIVERSITY MEDICAL CENTER OF SOUTHERN NEVADA (Facility) and the  
BOARD OF REGENTS of the NEVADA SYSTEM OF HIGHER EDUCATION  
on behalf of the  
UNIVERSITY OF NEVADA SCHOOL OF MEDICINE (School)  
concerning the  
COMMITMENT TO THE EMERGENCY MEDICINE RESIDENCY PROGRAM  
FOR THE PERIOD JULY 1, 2010-JUNE 30, 2011

- A. Officials at the participating institution or facility who will assume administrative, educational, and supervisory responsibility for the residents.
1. It is agreed that Michael Epter, DO shall serve as residency program director. Dr. Epter will have full authority to direct and coordinate the program's activities in all participating institutions, including all responsibilities designated to the program director in the ACGME's Institutional and Program Requirements. Should it be necessary to appoint a new residency program director, the appointment will be made by the Chair of the School's responsible academic department with the concurrence of the Facility's Chief Executive Officer and the School's Dean.
  2. Michael Epter, DO shall have administrative, educational and/or supervisory responsibility for residents at the Facility during rotations to the Facility.
  3. All teaching staff participating in the clinical training of residents at Facility must have faculty appointments in a Department of the School and must have clinical privileges at the Facility. Participation in resident teaching also requires the concurrence of the residency program director. Faculty is appointed following Board of Regents of the Nevada System of Higher Education Handbook. Facility policies control the granting of clinical privileges at the Facility.
- B. Educational goals and objectives to be attained within the participating institution.
1. Facility will provide the educational setting in which the goals and objectives of the curricular elements of Emergency Medicine, including Pediatric Emergency Medicine, Anesthesia, Neurosurgery, OB/GYN, Radiology, Ultrasound, Trauma Surgery (including Trauma Intensive Care Unit), Cardiology, Critical Care (including Medical Intensive Care Unit and Coronary Care Unit), Orthopedic Surgery, Otolaryngology, Ophthalmology, are accomplished as set forth in Exhibit A attached hereto and incorporated herein by this reference.
- C. Period of assignment of the residents to the Facility, the financial arrangements, and the details of insurance and benefits.
1. Residents' assignments for the academic year will be:  
  
Post Graduate Year (PGY)-I residents are assigned to Facility for two weeks of Obstetrics, one month of Pediatric Emergency Medicine, one month of Medical Intensive

Care Unit, one month on the Coronary Care Unit, one month of Trauma Surgery, 2 weeks of Neurosurgery, 2 weeks of Anesthesia, 2 weeks of Radiology, 2 weeks of Ultrasound, 2 weeks of Otolaryngology, and 2 weeks of Ophthalmology and 25 weeks of Emergency Medicine. PGY-II residents are assigned to facility for 26 weeks of Emergency Medicine, 8 weeks of Trauma Surgery (which includes 4 weeks of Trauma Intensive Care Unit), 3 weeks of Orthopedics.

D. Financial Arrangements, insurance and benefits.

1. All residents will be University employees and will receive employee benefits as approved by the Board of Regents. The School will obtain malpractice coverage for the residents as well as State Industrial Insurance.

E. Facility's responsibilities for teaching, supervision, and formal evaluation of the residents' performance.

1. Facility agrees to cooperate with School in the appointment of clinical faculty as described in paragraphs A.1.-A.3., above, who will have teaching, supervision, and evaluation responsibilities in the clinical training of residents at Facility. Formal evaluations must be completed at the end of each rotation based on the Educational Goals and Objectives published in the program's Resident Handbook and Exhibit A, attached hereto and incorporated herein by this reference, and returned to the program administration office.
2. Resident supervision will be accomplished according to the guidelines established in the program's Resident Handbook, the Facility's Resident Supervision Policy and the ACGME accreditation requirements.

F. Policies and procedures that govern the residents' education while rotating to Facility.

1. Policies and procedures that govern the residents' education while rotating to Facility are stated in the Facility's Bylaws, Rules and Regulations, and Resident Supervision Policy, in the ACGME Program Requirements, the Program's Resident Handbook, the Processes, Procedures, Rules for GME and the Board of Regents of the Nevada System of Higher Education Handbook.

G. Special Program Requirements.

1. Duties and patient care responsibilities of residents during their rotations are as specified in the program's Resident Handbook.

[SIGNATURE PAGE FOLLOWS]

UNIVERSITY MEDICAL CENTER OF SOUTHERN NEVADA

BOARD OF REGENTS OF THE NEVADA SYSTEM OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF NEVADA SCHOOL OF MEDICINE

Recommended:

By: Michael Epler 4/30/10  
Michael Epler, DO, FAAEM Date  
Program Director

By: Miriam Bar-on 5/17/10  
Miriam Bar-on, MD Date  
Associate Dean of Graduate Medical Education

By: Kathleen Silver  
Kathleen Silver  
Chief Executive Officer

Approved:  
By: Ole J. Thienhaus  
Ole J. Thienhaus, MD, MBA  
Dean, University of Nevada School of Medicine

Date: 5/10/10

Date: 5-17-10

By: Milton D. Glick  
Milton D. Glick, President  
University of Nevada, Reno  
Date: JULY 2, 2010

By: Daniel Klaich  
Daniel Klaich  
Chancellor, NSHE  
Date: 7/8/2010

**Patient Care:**

1. Demonstrate competence in performing a focused history and physical examination including identifying pertinent risk factors in the patient's history, providing a focused evaluation, interpreting the patient's vital signs and condition, recognizing pertinent physical findings, and performing techniques required for conducting the exam.
2. Demonstrate competence in performing an adequate and appropriate neurologic exam on trauma and medical patients with various levels of consciousness.
3. Demonstrate competence in performing an adequate and appropriate trauma exam
4. Demonstrate competence in performing an adequate airway assessment.
5. Demonstrate competence in performing an adequate and appropriate gynecologic exam.
6. Demonstrate competence in performing and appropriate evaluation on pediatric patients.
7. Demonstrate the ability to recognize and evaluate cardiac emergencies.
8. Demonstrate the ability to recognize and evaluate respiratory and airway emergencies.
9. Demonstrate the ability to recognize, evaluate, and manage GI emergencies.
10. Demonstrate the ability to recognize, evaluate, and manage gynecologic emergencies.
11. Demonstrate the ability to recognize, evaluate, and assess surgical emergencies.
12. Identify and manage non-emergent abdominal, gynecologic, neurologic, infectious, pulmonary, and cardiac complaints.
13. Demonstrate appropriate treatment priorities, identifying patients by acuity.
14. Demonstrate competence in performing the following procedures including but not limited to:
  - Correct use of slit lamp and tonopen for ocular examination
  - Anterior and posterior nasal packing
  - Application of splints for immobilization
  - Laceration repairs, simple and complex including use of skin staples and Dermabond
  - Peripheral and central venous access
  - Lumbar Puncture
  - Bedside ultrasound
  - Endotracheal Intubation
  - Nasogastric tube placement
  - Reduction of large and small joint dislocations including fracture dislocations.
  - Procedural sedation
15. Demonstrate timely and appropriate patient dispositions.
16. Demonstrate ability to see on average 1.2 patients per hour.
17. Meet those objectives described for EMY 2 Emergency Medicine residents for other disciplines in the EM Residency curriculum.

**Medical Knowledge:**

1. Formulate a differential diagnosis based on clinical findings for altered mental status including chemical, psychological, and organic causes.
2. Discuss the indications and techniques for control of hypertension in emergent and urgent conditions.
3. Demonstrate an understanding of the evaluation and management of vaginal bleeding in the pregnant and non-pregnant female patient.
4. Describe the indications and utility of various modalities to evaluate complaints of shortness of breath including the diagnoses of asthma, bronchitis, pneumonia and pneumonitis, emphysema, COPD, and pulmonary embolism.
5. Correctly request and interpret radiographic studies for complaints of extremity pain and trauma.

6. Understand the pathophysiology and principles of acute coronary syndrome including pharmacologic and procedural interventions and their indications.
7. List the risk factors and management for gastrointestinal bleeding including both upper and lower sources.
8. Outline the differential diagnoses for a complaint of colicky abdominal pain including but not limited to cholecystitis, biliary colic, renal colic, ureteral or renal calculi, and abdominal aortic aneurysm.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently request consultation for patients requiring specialty management.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Discuss with appropriate language and terminology significant risk factors and patient modifiable behaviors that increase the patient's risk for developing cardiovascular disease.
4. Demonstrate the appropriate use of and communications with consultants.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.
5. Demonstrate appropriate chart documentation.
1. Maintain all appropriate credentialing and licensure requirements.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care and continuity of care
2. Appropriately access healthcare for patients.
3. Demonstrate appropriate time management skills and the ability to see on average 1.4 patients per hour.
4. Provide cost effective management patients including cost appropriate medications and treatment modalities.

## Goals and Objectives

Rotation: PGY2-EM

Location: University Medical Center

### Patient Care:

1. Demonstrate competence in the evaluation and management of patients with intracranial injuries including ischemic and thrombotic cerebrovascular accidents.
2. Demonstrate competence in the evaluation and management of acute myocardial infarction or congestive heart failure with hypotension or shock.
3. Demonstrate competence in the evaluation and management of anaphylactic shock including angioedema.
4. Demonstrate competence in the evaluation and management of severe infection including necrotizing fasciitis, urosepsis, meningitis/encephalitis, Fitz-Hugh-Curtis, ascending cholangitis, peritonitis and endocarditis and septic shock.
5. Demonstrate competence in the evaluation and management of poisonings and toxic exposures.
6. Demonstrate ability to use ultrasound in the evaluation of undifferentiated hypotension.
7. Demonstrate the ability to manage multiple critically ill patients simultaneously.
8. Demonstrate competence in performing the following procedures including but not limited to:
  - Endotracheal intubation including the use of adjunctive modalities
  - Pericardiocentesis
  - Thoracentesis
  - Tube thoracostomy
  - Bedside ultrasound
  - Central venous lines for central venous pressure measurement and hemodialysis
  - Arterial lines for continuous arterial blood pressure monitoring
  - Adult cardiac resuscitation
9. Demonstrate competence in the differentiation of emergent, urgent, and non-urgent patients
10. Demonstrate the ability to differentiate between "sick" and "not sick" patients.
11. Demonstrate the ability to see, on average, 1.5 Emergency Department patients per hour.
12. Meet those objectives described for EMY 2 Emergency Medicine residents for other disciplines in the EM Residency curriculum.

### Medical Knowledge:

1. Describe the pathophysiology of diabetic ketoacidosis and management including determination of cause.
2. Discuss the management of respiratory distress and respiratory failure.
3. Demonstrate an understanding of the evaluation and management of septic shock including use of pressor agents and their indications and contraindications.
4. Outline the differential diagnosis for an acute abdomen.
5. Describe the indications for management of thoracic and abdominal aortic aneurysms including medical and surgical interventions.
6. Understand the risk factors for the development of bronchopulmonary disease in a NICU graduate.

7. List the considerations for fever for the various pediatric age groups.
8. Differentiate the possible causes of irritability and poor feeding in a pediatric patient.
9. Describe the pathophysiology of reactive airway disease including asthma, bronchitis, and COPD.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently request consultation for patients requiring specialty management.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Discuss with appropriate language and terminology significant risk factors and patient modifiable behaviors that increase the patient's risk for developing cardiovascular disease.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care and continuity of care
2. Appropriately access healthcare for patients.
3. Demonstrate ability to oversee direction and manage of assigned ED pod(s) including maintenance of patient flow with observation of through-put times and issues.
4. Demonstrate appropriate time management and efficiently see on average 1.5 patients an hour.
5. Provide cost effective management patients including cost appropriate medications and treatment modalities.

Goals and Objectives  
Rotation: PGY3-EM  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate physical exam, which is pertinent to the chief complaint, focused, and integrates all information available including review of the paramedic's and nursing assessments as well as additional history from family or other sources.
2. Demonstrate competence in direction of pre-hospital patient care and on-line medical direction.
3. Demonstrate competence in performing the following procedures including but not limited to:
  - Ventilator management for pediatric and adult patients
  - Bedside ultrasound
  - Endotracheal Intubation of patients in c-spine immobilization
  - Drainage of parapharyngeal abscesses
  - Arthrocentesis
  - Regional anesthesia
4. Supervise junior residents and medical students in their evaluation and management of patients.
5. Demonstrate the ability to see, on average, 1.7 Emergency Department patients per hour.
6. Meet those objectives described for EMY 2 Emergency Medicine residents for other disciplines in the EM Residency curriculum.

**Medical Knowledge:**

1. Describe modifying factors including age, gender, ethnicity barriers to communication, socioeconomic status, underlying disease, and other factors that may affect patient management.
2. Discuss the indications and techniques for control of
3. Demonstrate an understanding of the evaluation and management of.
4. Describe the indications and utility of various
5. Correctly request and interpret radiographic studies.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently request consultation for patients requiring specialty management.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Discuss with appropriate language and terminology significant risk factors and patient modifiable behaviors that increase the patient's risk for developing cardiovascular disease.
4. Communicate effectively to interpret and evaluate the patient's symptoms and history.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.
5. Sign and complete medical records and meet licensure and credentialing deadlines in a timely manner.
6. Understand and apply principles of professionalism, ethics, and legal concepts pertinent to patient management.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care and continuity of care
2. Appropriately access healthcare for patients.

Goals and Objectives  
Rotation: PGY2-EM  
Location: St. Rose Hospital

**Patient Care:**

1. Demonstrate competence in the evaluation and management of extremist patients with intracranial injuries including ischemic and thrombotic cerebrovascular accidents.
2. Demonstrate competence in the evaluation and management of acute myocardial infarction or congestive heart failure with hypotension or shock.
3. Demonstrate competence in the evaluation and management of anaphylactic shock including angioedema.
4. Demonstrate competence in the evaluation and management of severe infection including necrotizing fasciitis, urosepsis, meningitis/encephalitis, Fitz-Hugh-Curtis, ascending cholangitis, peritonitis and endocarditis and septic shock.
5. Demonstrate competence in the evaluation and management of poisonings and toxic exposures.
6. Demonstrate ability to use ultrasound in the evaluation of undifferentiated hypotension.
7. Demonstrate the ability to manage multiple critically ill patients simultaneously.
8. Demonstrate competence in performing the following procedures including but not limited to:
  - Endotracheal intubation including the use of adjunctive modalities
  - Pericardiocentesis
  - Thoracentesis
  - Tube thoracostomy
  - Bedside ultrasound
  - Central venous lines for central venous pressure measurement and hemodialysis
  - Arterial lines for continuous arterial blood pressure monitoring
  - Adult cardiac resuscitation
  - Peripheral line access including external jugular cannulation
9. Demonstrate competence in the differentiation of emergent, urgent, and non-urgent patients
10. Demonstrate the ability to differentiate between "sick" and "not sick" patients.
11. Demonstrate the ability to see, on average, 1.5 Emergency Department patients per hour.
12. Meet those objectives described for EMY 2 Emergency Medicine residents for other disciplines in the EM Residency curriculum.

**Medical Knowledge:**

1. Describe the pathophysiology of diabetic ketoacidosis and management including determination of cause.
2. Discuss the management of respiratory distress and respiratory failure.
3. Describe the pathophysiology of reactive airway disease including asthma, bronchitis, and COPD
4. Demonstrate an understanding of the evaluation and management of septic shock including use of vasopressor agents and their indications and contraindications.
5. Outline the differential diagnosis for an acute abdomen.
6. Describe the indications for management of thoracic and abdominal aortic aneurysms including medical and surgical interventions.
7. Understand the risk factors for the development of bronchopulmonary disease in a NICU graduate.
8. List the considerations for fever for the various pediatric age groups.
9. Differentiate the possible causes of irritability and poor feeding in a pediatric patient.
10. Discuss the differential diagnosis for hypoxia.

11. Describe the considerations for geriatric patients with altered mental status.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently request consultation for patients requiring specialty management.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Discuss with appropriate language and terminology significant risk factors and patient modifiable behaviors that increase the patient's risk for developing cardiovascular disease.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care and continuity of care
2. Appropriately access healthcare for patients.
3. Demonstrate ability to maintain patient flow with observation of through-put times and issues.
4. Provide cost effective management patients including cost appropriate medications and treatment modalities.

Goals and Objectives  
Rotation: PGY3-EM  
Location: St. Rose Hospital

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate physical exam, which is pertinent to the chief complaint, focused, and integrates all information available including review of the paramedic's and nursing assessments as well as additional history from family or other sources.
2. Demonstrate competence in direction of pre-hospital patient care and on-line medical direction.
3. Demonstrate competence in performing the following procedures including but not limited to:
  - Ventilator management for pediatric and adult patients
  - Bedside ultrasound
  - Endotracheal Intubation of patients in c-spine immobilization
  - Drainage of parapharyngeal abscesses
  - Arthrocentesis
  - Regional anesthesia
4. Demonstrate the ability to see, on average, 1.7 Emergency Department patients per hour.
5. Meet those objectives described for EMY 2 Emergency Medicine residents for other disciplines in the EM Residency curriculum.

**Medical Knowledge:**

1. Describe modifying factors including age, gender, and ethnicity barriers to communication, socioeconomic status, underlying disease, and other factors that may affect patient management.
2. Discuss the indications and techniques for control of
3. Demonstrate an understanding of the evaluation and management of.
4. Describe the indications and utility of various
5. Correctly request and interpret radiographic studies.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently request consultation for patients requiring specialty management.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Discuss with appropriate language and terminology significant risk factors and patient modifiable behaviors that increase the patient's risk for developing cardiovascular disease.
4. Communicate effectively to interpret and evaluate the patient's symptoms and history.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions

with patients, family, and staff.

2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.
5. Sign and complete medical records and meet licensure and credentialing deadlines in a timely manner.
6. Understand and apply principles of professionalism, ethics, and legal concepts pertinent to patient management.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care and continuity of care
  2. Appropriately access healthcare for patients.
  3. Demonstrate ability to oversee direction and manage the ED in conjunction with the charge attending and charge nurse including maintenance of patient flow with observation of through-put times and issues.
  4. Provide cost effective patient management including cost appropriate medications and treatment modalities.
- Effectively utilize electronic medical records for previous medical history as well as review and confirmation of medical record dictation.

Goals and Objectives  
Rotation: **PGY1-Pediatric EM**  
Location: University Medical Center

**Patient Care:**

1. Demonstrate the ability to assess, initiate resuscitation measures, carry out evaluation, treatment and disposition plans for any pediatric patient presenting to the emergency department.
2. Demonstrate the ability to conduct a primary assessment and take appropriate steps to stabilize and treat patients.
3. Demonstrate ability to perform techniques required for conducting the physical exam and recognize pertinent physical findings.
4. Using findings from the focused evaluation of the patient, develop a differential diagnosis.
5. Appropriately select and perform the following diagnostic procedures and interpret the results.
  - Pulse oximetry monitoring
  - Arterial blood gas sampling
  - Nasogastric tube placement
  - Lumbar Puncture
  - Phlebotomy
6. Select and Interpret appropriate imaging, laboratory and other ancillary studies.
7. Establish the most likely diagnosis in light of the history, physical, interventions and test results.
8. Demonstrate competence in performing the following procedural and nonpharmacologic therapies in the pediatric age range:
  - Oxygen administration
  - Airway adjunct usage including nasal and oral airways and bag-valve-mask ventilation
  - Peripheral IV catheter placement
  - Bladder catheterization
  - CPR, cardioversion and defibrillation
  - Incision and Drainage of Abscess
  - Foreign Body removal
  - Local anesthetic blocks
  - Simple wound management
9. Demonstrate appropriate selection of pharmacologic agents in weight appropriate dosages.

**Medical Knowledge:**

1. Formulate a differential diagnosis based on clinical findings for altered mental status including chemical, psychological, and organic causes.
2. Demonstrate understanding of all of the following presenting complaints in the pediatric group, including differential diagnosis, cost-effective diagnostic work-up, and treatments.
  - A. General
    1. Altered Mental Status/Coma
    2. Seizure/Status Epilepticus
    3. Respiratory/Cardiac Arrest
    4. Airway Foreign Body
    5. SIDS/ALTE
    6. Cyanosis
    7. Fever

8. Shock/Hypotension
9. Lymphadenopathy
10. Syncope
11. Failure to Thrive/Weight Loss
12. Feeding Problems
13. The Crying Infant
14. Child Abuse and Neglect
15. Toxic Ingestions/Exposures
16. Pallor
17. Dehydration

**B. HEENT**

1. Headache
2. Diplopia
3. Vision Disturbances and Loss
4. Eye Pain
5. The Red Eye
6. Ear Pain
7. Hearing Loss
8. Epistaxis
9. Sore Throat
10. Stridor
11. Foreign Body Aspiration/Ingestion
12. Neck Masses

**C. Chest**

1. Chest Pain
2. Palpitations
3. Cough
4. Dyspnea
5. Hemoptysis
6. Wheezing

**D. Abdomen**

1. Abdominal Pain
2. GI
3. Vomiting
4. Hematemesis
5. Constipation
6. Diarrhea
7. Dysphagia
8. Jaundice
9. Melena/Hematochezia
10. Rectal Pain

**E. GYN**

1. Abnormal Vaginal Bleeding
2. Dysmenorrhea
3. Vaginal Discharge

**F. GU**

1. Dysuria
2. Hematuria
3. Urinary Retention
4. Urinary Incontinence
5. Penile Discharge
6. Scrotal/Testicular Pain
7. Groin Mass/Pain

**G. Skin - Rash**

**H. Extremities**

1. Arthralgia

2. Limp/Immobile Arm
3. Traumatic extremity pain
4. Non-Traumatic extremity pain

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently request consultation for patients requiring specialty management.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Communicate effectively to gain information from the patient and others, especially primary care giver regarding the patient's symptoms and history, and identify pertinent risk factors and symptoms.
4. Demonstrate the appropriate use of and communications with consultants.
5. Communicate with and assimilate information from pre-hospital care providers into the assessment and management of the patient.
6. Formulate a follow-up plan, and communicate effectively with patients, family and involved health care members.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.
5. Demonstrate appropriate chart documentation.
6. Maintain all appropriate credentialing and licensure requirements.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care and continuity of care
2. Appropriately access healthcare for patients.
3. Demonstrate appropriate time management skills and the ability to see on average 1.4 patients per hour.
4. Provide cost effective management patients including cost appropriate medications and treatment modalities.
5. Evaluate and reevaluate the effectiveness of a patient's treatment or therapy, including addressing complications and potential errors.

**Goals and Objectives**  
**Rotation: PGY1-Neurosurgery**  
**Location: University Medical Center**

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate neurologic exam on trauma and medical patients with various levels of consciousness.
2. Demonstrate competence on the evaluation and initial management of intracranial injuries including hemorrhage and contusion.
3. Demonstrate the ability to evaluate and manage blunt and penetrating injuries to the central nervous system.
4. Demonstrate competence in recognizing and managing cerebrovascular illnesses and or injuries, which are amenable to neurosurgical intervention.
5. Demonstrate the ability to recognize and manage fractures, subluxations and dislocations of the bony spine, as well as appropriate immobilization techniques for spinal injuries.
6. Demonstrate competence in the diagnosis of common, severe, and life-threatening neurologic conditions and diseases.
7. Demonstrate the ability to recognize and evaluate ventriculo-peritoneal shunt malfunctions.

**Medical Knowledge:**

1. Discuss the ability to recognize, as well as appropriately evaluate and manage the major classifications of headaches.
2. Discuss the indications and techniques for control of increased intracranial pressure.
3. Demonstrate an understanding of the evaluation and management of neurological infections, pseudotumor cerebri, normal pressure hydrocephalus, and neurological inflammatory states.
4. Describe the indications and utility of various neurological imaging modalities including computerized tomography, magnetic resonance imaging, and arteriography as well as correctly interpret significant findings.
5. Correctly request and interpret radiographic studies of the skull, brain, and spine.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation for patients requiring neurosurgical interventions
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care and continuity of care

2. Appropriately access healthcare for spine injured patients requiring immobilization devices.
  3. Provide appropriate patient education the correct use of seatbelts and helmets.
- Provide cost effective management of head injured patients including cost appropriate medications and treatment modalities.

Goals and Objectives  
Rotation: PGY1-Anesthesia  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing assessment of the airway for intubation.
2. Demonstrate correct use of the bag-valve-mask device.
3. Demonstrate ability to use standard monitoring techniques.
4. Demonstrate proficiency in rapid sequence intubation and airway management.
5. Demonstrate familiarity with nasotracheal and orotracheal intubation as well as indications and complications for each technique.
6. Demonstrate the ability to recognize and manage the difficult airway.
7. Demonstrate the ability to recognize and manage the failed airway.

**Medical Knowledge:**

1. Discuss the anatomy of the upper airway.
2. State the indications/contraindications for rapid sequence intubation.
3. Describe the potential complications of agents commonly used in conscious and deep sedation, general anesthesia, and rapid sequence intubation.
4. Learn the dosages, indications and contraindications for inhalation anesthetic agents, intravenous analgesic and anesthetics, and neuromuscular blocking agents.
5. Discuss the time course/development of malignant neuroleptic syndrome.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding pre-operative assessment of patients.
2. Explain to patients the risks of anesthesia.
3. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education in the post conscious sedation precautions.
4. Provide cost-effective management of post-operative analgesia including cost appropriate medications and treatment modalities.

**Goals and Objectives**  
**Rotation: PGY1-Radiology**  
**Location: University Medical Center**

**Patient Care:**

1. Demonstrate competence in evaluation of radiographs with significant findings including but not limited to fractures, dislocation, and other bony abnormalities.
2. Demonstrate competence in the diagnosis of pneumonia, pneumothorax, COPD, CHF, aortic dissection, and other significant pulmonary and cardiovascular findings on chest x-ray.
3. Identify findings consistent with ureteral lithiasis on non-contrast CT of abdomen.
4. Demonstrate ability to systematically read a CT scan of the abdomen/pelvis ordered for the evaluation of acute blunt trauma to recognize intraabdominal injury including solid organ injuries, occult pneumothoraces, and occult spinal fractures.
5. Demonstrate the ability to recognize and describe the radiographic findings of intracranial injury including subarachnoid, subdural, epidural, and intraparenchymal hemorrhage.
6. Demonstrate competence in evaluating CT scans of the brain for contraindications for thrombolysis of acute ischemic stroke.
7. Demonstrate competence in the diagnosis of common, severe, and life-threatening conditions and diseases based on significant and abnormal radiographs.

**Medical Knowledge:**

1. Indicate the limitations of radiographs in identifying foreign bodies.
2. Discuss indications for angiography.
3. State the indications/contraindications for CT of chest for pulmonary embolism.
4. Describe the indications and utility of CT for penetrating versus blunt abdominal injury.
5. Correctly request and interpret radiographic studies with positive findings.
6. State the indications and limitations of MRI as well as the contraindications.
7. Discuss the role of the interventional radiologist in managing acute limb ischemia, acute ischemic stroke, and venous thromboembolic disease in patients with contraindications to anticoagulation.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently communicate results of studies to consultants.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care for positive findings.
2. Provide appropriate patient education in expectations of radiographic studies.
3. Provide cost effective selection of radiographic studies.

Goals and Objectives  
Rotation: PGY1-Ultrasound  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate RUQ ultrasound exam evaluating possible cholelithiasis and/or cholecystitis.
2. Demonstrate competence in performing an adequate and appropriate abdominal ultrasound evaluation of the abdominal aorta in the assessment of an abdominal aortic aneurysm.
3. Demonstrate competence in performing an adequate and appropriate transabdominal and transvaginal pelvic ultrasound for confirmation of an intrauterine pregnancy.
4. Demonstrate competence in performing an adequate and appropriate focused abdominal ultrasound study (FAST) in the evaluation of a trauma patient.
5. Demonstrate competence in the diagnosis of common, severe, and life-threatening conditions and diseases utilizing the modality of ultrasound.
6. Demonstrate competence in performing an adequate and appropriate cardiac evaluation to rule-out pericardial effusion and confirm cardiac wall motion.

**Medical Knowledge:**

1. Discuss limitations of ultrasound evaluation of the abdomen.
2. Describe the ultrasound findings consistent with the diagnosis of cholecystitis.
3. Describe the ultrasound findings consistent with the diagnosis of abdominal aortic aneurysm.
4. Describe the indications and utility of ultrasound for evaluation of pelvic pain and bleeding in the pregnant and non-pregnant female.
5. Correctly interpret FAST studies with positive findings of free intraperitoneal fluid.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence in the performance of bedside ultrasound as per the ED-PLUS protocol.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation for patients requiring ultrasound evaluation.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education regarding limitation of ultrasound and need for appropriate follow-up.
4. Provide cost-effective management including appropriate utilization of ultrasound in the ED.

Goals and Objectives  
Rotation: PGY2-Orthopedics  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate orthopedic exam.
2. Evaluate and treat acute joint dislocations.
3. Evaluate, manage, and treat open and closed fractures.
4. Demonstrate competence in essential orthopedic procedural skills including:
  - Fracture realignment/ joint dislocation reduction
  - Bone and joint immobilization
  - Splint application
  - Arthrocentesis
5. Display proficiency in providing conscious sedation for general orthopedic procedures.
6. Demonstrate the ability to recognize and manage fractures and dislocations.
7. Demonstrate competence in the diagnosis of common, severe, and life-threatening orthopedic conditions and diseases.
8. Recognize conditions requiring orthopedic consultation.

**Medical Knowledge:**

1. Discuss the time course/development of compartment syndrome.
2. Discuss the diagnosis and management of septic arthritis.
3. State the indications/contraindications for reduction of dislocated joints.
4. Describe the indications and utility of radiographs and computerized topography in the diagnosis of bony injury.
5. Correctly request and interpret radiographic studies with positive findings of fracture and dislocation.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding orthopedic soft-tissue injuries.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up orthopedic care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education regarding care of the injured extremity and splint as well as conditions for which the patient should seek immediate care.
4. Provide cost-effective management of orthopedic injuries including cost appropriate medications and treatment modalities.

**Goals and Objectives**  
**Rotation: PGY1-Internal Medicine**  
**Location: University Medical Center**

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate adult medical exam including history taking and physical examination.
2. Demonstrate competence in the interpretation of: 12 lead electrocardiograms, hemodynamic monitoring values, chest radiographs, and arterial blood gas results.
3. Demonstrate the ability to recognize and manage medical disorders as outlined in the educational objectives in the following areas:
  - Cardiology
  - Environmental Illness
  - Infectious Disease
  - General Medicine
  - Geriatrics
  - Neurology
  - Resuscitation
  - Toxicology
  - Urology
4. Demonstrate competence in the diagnosis of common, severe, and life-threatening medical conditions and diseases.
5. Learn aspects of patient centered care.

**Medical Knowledge:**

1. Describe the indications, normal values, and limitations of common diagnostic tests.
2. Describe causes, presentation, and management of:
  - Abdominal disorders
  - Hematological and Immune disorders
  - Infectious disorders
  - Glomerular and Renal disorders
  - Urologic infections and disorders
  - Fluid and electrolyte and acid/base disorders
  - Diseases of the Endocrine system
  - Pulmonary and Respiratory disorders
3. Explain the mechanism of hypertension and cardiovascular disease.
4. Describe the importance of disease prevention and disease maintenance for patient well-being.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently request consultation for patients needing specialist care.
2. Succinctly and efficiently provide consultation for patients needing general medicine management.
3. Demonstrate appropriate and complete documentation of patients' encounters.
4. Effectively interact as a member of the Medicine ward team with patients, support staff, fellow residents, attendings and consultants.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education lifestyle modification to reduce risk of cardiovascular disease including
  - Smoking cessation
  - Diet modification
  - Physical activity
4. Provide cost effective management of the adult medicine patient including cost appropriate medications and treatment modalities based on the differential diagnoses.
5. Become familiar with current concepts of patient safety, common medical errors, and their prevention.

Goals and Objectives  
Rotation: PGY1, PGY3-Research  
Location: University Medical Center

**Patient Care:**  
N/A.

**Medical Knowledge:**

1. Demonstrate an understanding of the anatomy of a research project to include:
  - a. A properly formulated research question
  - b. Scientific review of pertinent literature
  - c. Study design
  - d. Ethical review board and the protection of study volunteers
  - e. Implementation of project
  - f. Statistical analysis
  - g. Dissemination of research results
2. Discuss the role of evidence based medicine.
3. Demonstrate ability to critically analyze literature.
4. Complete selected readings in Protecting Study Volunteers in Research, Designing Clinical Research, Basic & Clinical Biostatistics.

**Practice-Based Learning and Improvement:**

1. Apply knowledge of study design and statistical methods to critically appraise the medical literature.

**Interpersonal Skills and Communication:**

1. Demonstrate competency in obtaining informed consent for a clinical research project.

**Professionalism:**

1. Recognize importance of ethical treatment and subject and patient confidentiality
2. Demonstrate stewardship with research responsibilities and resources.

**Systems-Based Learning:**

1. Submit application and present project to Institutional Review Board.

Goals and Objectives  
Rotation: PGY2-ENT  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate otolaryngologic exam.
2. Demonstrate proficiency in identification and management of pharyngeal infections and abscesses.
3. Demonstrate competence in management of acute anterior and posterior epistaxis.
4. Demonstrate the ability to recognize and manage the following:
  - Bell's Palsy
  - Benign Positional Vertigo
  - Meniere's Disease
  - Ramsey Hunt

**Medical Knowledge:**

1. Discuss perilymphatic injury and indications for surgery.
2. State the indications/contraindications tympanostomy tubes.
3. Discuss the diagnosis and management of Bell's palsy.
4. Discuss the differential diagnosis of vertigo and means of diagnosis.
5. Describe removal of nasal foreign bodies.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding psychiatric patients.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up ENT care.
2. Assist patients in access of continuity of care for general medical complaints.
3. Practice cost-effective management of otolaryngologic complaints.

Goals and Objectives  
Rotation: PGY1-CCU  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate cardiac exam.
2. Demonstrate the ability to diagnose, stabilize, and apply thrombolytic therapy to patients presenting with acute early myocardial infarction.
3. Demonstrate competence in the interpretation of diagnostic modalities (ECG, chest x ray and cardiac ultrasonography).
4. Demonstrate proficiency at cardiac related procedures: venous line and CVP pressure monitoring, pericardiocentesis, defibrillation and cardioversion, Swan-Ganz catheterization, and ultrasonography.
5. Demonstrate the ability to diagnose, stabilize, and apply thrombolytic therapy to patients presenting with acute early myocardial infarction.
6. Demonstrate the ability to recognize, evaluate, stabilize, treat, and arrange for appropriate disposition of patients with cardiac disease processes.
7. Demonstrate competence in the diagnosis of common, severe, and life-threatening cardiac conditions and diseases.
8. Provide ongoing management of cardiac patients admitted to a cardiac care unit.

**Medical Knowledge:**

1. Discuss the time course of acute coronary disease.
2. Discuss the pathophysiology of cardiac ischemia, acute anginal chest pain, and acute myocardial infarction.
3. State the indications/contraindications for thrombolytic therapy versus invasive cardiac interventions including angioplasty, coronary artery stent placement, or coronary artery bypass grafting.
4. Describe the indications and utility of exercise stress testing versus cardiolyte evaluation.
5. Describe the pathophysiology of cardiac ischemia, acute anginal chest pain, and acute myocardial infarction.
6. Discuss the concept of "silent" myocardial infarction and ischemia.
7. Describe the pathophysiology of congestive heart failure.
8. Describe the clinical findings of cardiogenic shock and outline therapy for cardiogenic shock.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding cardiac disease.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Effectively communicate to patients and family the significance of modifiable risk factors of cardiovascular disease.
4. Discuss with all patients smoking cessation.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.

4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of and encourage continuity of care.
3. Provide appropriate patient education in minimization of cardiac risk factors.
4. Provide cost-effective management of chest pain including cost appropriate medications and treatment modalities.

Goals and Objectives  
Rotation: PGY2-TICU  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in the management including resuscitation and stabilization of critically injured trauma patients and multi-system trauma.
2. Evaluate and treat patients with multiple traumatic injuries.
3. Evaluate, manage, and treat Adult Respiratory Distress Syndrome.
4. Demonstrate competence in performance skills necessary in the resuscitation and stabilization of trauma patients.
5. Demonstrate the ability manage patients in hemorrhagic shock.
6. Demonstrate competence in the use of intravascular hemodynamic monitoring.

**Medical Knowledge:**

1. Discuss the management of multi-system trauma patients.
2. Discuss ventilator management for critically injured trauma patients.
3. List the risk factors for the development of Adult Respiratory Distress Syndrome.
4. Discuss the importance and management of deep venous thrombosis prophylaxis.
5. Describe the indications for total parenteral nutrition.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding critically ill trauma patients.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Coordinate the care by multiple specialists for the critically injured trauma patient.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education in the area of initial care, rehabilitation, and disability issues.
4. Provide cost-effective evaluation and management of traumatic injuries including cost appropriate medications and treatment modalities.

Goals and Objectives  
Rotation: PGY1-Ob/Gyn  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate pelvic exam.
2. Evaluate and treat women presenting in labor.
3. Evaluate, manage, and treat pelvic inflammatory disease.
4. Demonstrate competence in performance of a normal vaginal delivery.
5. Demonstrate the ability to recognize and manage first trimester bleeding including ectopic pregnancy.
6. Demonstrate competence in the diagnosis of common, severe, and life-threatening obstetric and gynecologic conditions and diseases.

**Medical Knowledge:**

1. Discuss the time course/development of pre-eclampsia and eclampsia.
2. Discuss the progression of active labor.
3. Discuss the importance of fetal evaluation for all patients greater than 20 weeks gestation.
4. Describe the contraindicated medications during pregnancy and for nursing mothers.
5. Correctly request and interpret ultrasound studies of first trimester bleeding.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding gynecologic disorders and complaints.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education in sexually transmitted diseases and contraception.
4. Provide cost-effective management of gynecologic diseases including cost appropriate medications and treatment modalities.

**Goals and Objectives**  
**Rotation: PGY2-Sexual Assault (SANE)**  
**Location: University Medical Center**

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate sexual assault examination, including the use of the SART SMART Program.
2. Demonstrate competence in sexual assault examinations including the recognition, collection and preservation of evidence.
3. Maintain the chain of evidence in the custody of the specimens collected, and recognize the significance of the chain of custody.
4. Demonstrate the ability to recognize and manage psychological and physiologic trauma specific to sexual assault.
5. Demonstrate competence in the diagnosis of common, severe, and life-threatening conditions and diseases specifically associated with sexual assault.

**Medical Knowledge:**

1. Discuss the expectations of sexual assault examination.
2. Explain "chain of custody" and its importance.
3. State the indications/contraindications for prophylactic antibiotics and post-coital contraception.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation for patient of suspected sexual assault.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.
5. Show care in collection of history in a non-judgmental fashion.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in seeking out support systems including rape crisis counselling.
3. Provide appropriate patient education in HIV, hepatitis, sexually transmitted disease, and pregnancy risk.
4. Provide cost-effective management of STD and pregnancy, including cost appropriate medications and treatment modalities.

Goals and Objectives  
Rotation: PGY2-Ophthalmology  
Location: University Medical Center

**Patient Care:**

1. Demonstrate competence in performing an adequate and appropriate ocular examination, including visual acuity
2. Demonstrate competence in the use of the slit lamp and ophthalmoscope.
3. Demonstrate proficiency in measurement of ocular pressures using a variety of techniques.
4. Demonstrate the ability to recognize and manage ocular trauma.
5. Demonstrate competence in the diagnosis of common, severe, and vision-threatening ocular conditions and diseases.
6. Recognize significant systemic diseases' presenting with ocular manifestations.

**Medical Knowledge:**

1. Discuss the diagnosis and management of glaucoma including therapeutic agents.
2. Identify those conditions which are emergently vision threatening and their common presentations as well as management.
3. Discuss the presentation and chief complaint of retinal detachment.
4. Identify retinal changes consistent with hypertension and diabetes mellitus.
5. Describe the ophthalmologic conditions that require emergent and urgent ophthalmologic referral.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation for patients with ocular complaints.
2. Demonstrate appropriate and complete documentation of patients' encounters including adequate description of the slit lamp examination.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.
5. Show care in collection of history in a non-judgmental fashion.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in seeking out support systems including rape crisis counseling.
3. Provide appropriate patient education in use of protective eye equipment.
4. Provide cost effective management of conjunctivitis and other eye infections, including cost appropriate medications and treatment modalities.

**Goals and Objectives**  
**Rotation: PGY1-Hand Surgery**  
**Location: University Medical Center**

**Patient Care:**

1. Demonstrate competence in performing a focused and adequate history and appropriate exam for the patient with an acutely injured hand.
2. Evaluate and provide initial appropriate emergency care for the following limb-threatening hand emergencies.
3. Evaluate, manage, and treat the following hand emergencies.
  - Fight-bite injuries
  - Closed and open fractures of the carpal, metacarpal, and phalanx fractures.
  - Lacerations
  - Crush injuries to the hand.
  - Gunshot wounds to the hand
4. Demonstrate competence in the following but not limited to:
  - Nerve blocks
  - Measurement of compartment pressures
  - Laceration repair of the hand
  - Extensor tendon repair
  - Nailbed laceration repair

**Medical Knowledge**

1. Demonstrate ability to identify the surface and radiological anatomy of the hand and wrist.
2. Demonstrate competence in describing and testing the various motions of function
3. Demonstrate competence in predicting injuries based on the location of wounds.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding hand emergencies.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education in the area of initial care, rehabilitation, and disability issues.
4. Provide cost effective management of above-listed hand emergencies including cost appropriate medications and treatment modalities.

**Goals and Objectives**  
**Rotation: PGY3-PICU**  
**Location: University Medical Center**

**Patient Care:**

1. Demonstrate competence in performing a focused and adequate history and appropriate exam for the pediatric patient who is critically ill.
2. Demonstrate competence in obtaining vascular access in pediatric patients.
3. Evaluate, manage, and treat the following pediatric emergencies.
4. Evaluate, manage, and treat life-threatening and critical pediatric illnesses including
  - Fever
  - Shock and sepsis
  - Neurological emergencies
  - Respiratory disorders
  - Cardiac abnormalities
  - Toxicological disorders
  - Endocrine disorders
5. Demonstrate competence in pediatric resuscitation including direction of resuscitations.

**Medical Knowledge**

1. Discuss the time course and development of critical pediatric illnesses.
2. Discuss the physiology and derangements of fluid and electrolyte management in pediatric patients.
3. State the indications/contraindications for invasive cardiovascular and neurologic monitoring of critically ill pediatric patients.
4. Demonstrate the indications and utility of imaging modalities for evaluating critically ill pediatric patients.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding critically ill pediatric patients.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Demonstrate competence in interactions with pediatric patients and their families.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education in the area of prevention, disease progression, and follow-up.
4. Provide cost-effective management of above-listed pediatric emergencies including cost appropriate medications and treatment modalities.

## Goals and Objectives

Rotation: **PGY1-MICU**

Location: University Medical Center

### **Patient Care:**

1. Demonstrate competence in performing a focused and adequate history and appropriate exam for the critically ill adult patient.
  - Evaluate and provide appropriate ongoing management of patients in the critical care setting.
2. Evaluate, manage, and treat the following.
3. Demonstrate competence with the various critical-care diagnostic tools available
4. Demonstrate competence in the direction of cardiac arrest resuscitation.

### **Medical Knowledge**

1. Discuss the pathophysiology of illnesses which require critical care:
  - Diabetic Ketoacidosis
  - Guillain Barre syndrome
  - Toxic Exposure and Overdosage
  - Hepatic Encephalopathy
  - Respiratory Failure
2. Discuss the management of fluid and electrolyte disturbances.
3. State the indications/contraindications for use of invasive cardiac monitoring and central venous access.

### **Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

### **Interpersonal Skills and Communication:**

1. Succinctly and efficiently provide consultation regarding critically ill adult patients.
2. Demonstrate appropriate and complete documentation of patients' encounters.
3. Develop skills and sensitivity when providing family notice of death.

### **Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

### **Systems-Based Learning:**

1. Appropriately refer patients for follow-up care.
2. Assist patients in access of continuity of care.
3. Provide appropriate patient education in the area of prevention, disease progression, and follow-up.
4. Provide cost-effective management of critically ill patients including cost appropriate medications and treatment modalities.

Goals and Objectives  
Rotation: PGY2-EMS  
Location: University Medical Center

**Patient Care:**

1. Demonstrate understanding of the common organizational structures of Emergency Medical Services Systems.
2. Demonstrate competence in caring for the patient in the pre-hospital setting with paramedics and pre-hospital healthcare providers.
3. Demonstrate competence in applying the principles of triage and emergency medical care delivery in the prehospital setting.

**Medical Knowledge**

1. Discuss the educational requirements and skill levels of different levels of EMS provider and licensure.
2. Discuss the importance and various methods for medical control in EMS systems.
3. Describe local, state, and national components of emergency medical services.
4. Discuss the principles involved in planning for emergency medical care delivery in mass gatherings.
5. Define the national components of Emergency Medical Services disaster management.
6. Demonstrate an understanding of the unique aspects and limitations of the prehospital environment.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Succinctly and efficiently present the patient's prehospital presentation and course to hospital healthcare providers.
2. Demonstrate appropriate and complete documentation of patients' encounters.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with patients, family, and staff.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice medicine in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Highlight the epidemiologic techniques utilized by the Clark County Health District in community health surveillance.
2. Assist patients in access of acute and immediate health care.
3. Provide appropriate patient education in the area of accessing the healthcare system.

Goals and Objectives  
Rotation: **PGY3-ED Administration**  
Location: University Medical Center

**Patient Care:**

N/A

**Medical Knowledge:**

1. Demonstrate competence in understanding the basic principles of leadership and administration.
2. Demonstrate competence in articulating the importance of performance improvement and risk management programs for emergency medicine and the hospital.
3. Demonstrate competence in articulating the function of the emergency department within the community, the institution and its relationships with other departments.
4. Demonstrate competence in participation with the peer review process for the Department of Emergency Medicine.
5. Demonstrate competence in describing the purpose and objectives of national, state, and local organizations within Emergency Medicine.
6. Demonstrate competence in describing the medical-legal aspects of emergency medicine, risk management, malpractice liability issues, and EMTALA.
7. Demonstrate competency in describing the issues of Emergency Department structure within the hospital administration, medical staff by-laws and corrective action process.

**Practice-Based Learning and Improvement:**

1. Maintain a patient log for self-assessment regarding patient care issues and expansion of medical knowledge.
2. Maintenance of a procedure log to document competence of procedures and skills.

**Interpersonal Skills and Communication:**

1. Evaluate and recommend an appropriate response to patient complaint letters.
2. Demonstrate competence in preparing an agenda for and leading the bi-monthly emergency medicine physician/ nursing leadership meeting.

**Professionalism:**

1. Develop and maintain interpersonal, and communication skills essential to interactions with nursing, administration, clerical staff, and colleagues.
2. Maintain personal wellness and assist colleagues in times of crisis and when necessary and appropriate.
3. Practice ethical decision making with cultural sensitivity.
4. Practice leadership in a fashion that displays competence, consideration, and integrity.

**Systems-Based Learning:**

1. Appropriately addresses administrative problems.
2. Assist emergency medicine and emergency nursing leadership in continuous quality improvement responsibilities.
3. Provide cost effective strategies for addressing problem areas in the emergency department.

Goals and Objectives  
Rotation: PGY2-Toxicology  
Location: Good Samaritan Medical Center

**Patient Care:**

1. Develop clinical skills to assess a poisoning emergency during their rotation in Medical Toxicology.
2. Develop problem-solving skills to manage clinical situations from poisoning and adverse drug reactions.
3. Understand the pharmacology and mechanism of toxicity of the more frequently encountered drugs and toxins.
4. Learn the appropriate applications of antidotes and specific therapies for common toxins.
5. Become adept at recognizing clinical toxidromes.
6. Demonstrate skill in synthesizing the data they have gathered from the history, physical examination and ancillary tests (i.e. labs, monitors and x-rays)
7. Be able to generate a differential diagnosis and assessment
8. Implement a logical diagnostic and therapeutic plan appropriate to their level of training.

**Medical Knowledge:**

1. Learn the pathophysiology, presentation, management and natural history of common diseases or syndromes seen during the Medical Toxicology rotation.
  - This will be achieved by attending required educational meetings and conferences which include: Poison Center Case Review Conference, Weekly Toxicology Conference with Journal Club, Clinical Toxicology Chapter Review, Occupational Toxicology Chapter Review, and Drug Interactions Conference.
2. Residents will receive lectures and a reading packet which will cover the core curriculum of toxicology.
  - Topics include but are not limited to: General Management, Plants/Mushrooms, Acetaminophen, Snakes/Scorpions, Salicylates, Carbon Monoxide, Cardiac Toxins, Neurotransmitters, Tricyclic Anti-depressants, Toxic Alcohols.
3. Research and present 2 topics related to toxicology for the department during the weekly didactic conference.
  - The subject should be discussed with and approved by staff prior to presentation. Topics should be researched, outlined and presented in a 10-15 minute presentation. A typewritten outline with a bibliography should be handed out at the time of presentation.
4. An exit examination will help evaluate what the resident has learned and identify areas where we should concentrate our efforts in teaching. Performance on the exit examination will be reflected on the resident's evaluation for the rotation.

**Practice Based Learning and Improvement:**

1. Identify areas for improvement in their fund of knowledge or patient care abilities.
2. Demonstrate understanding of the principles of evidence based medicine and use the best available evidence to provide care to patients.
3. Use information technology such as the Internet and the many clinical information resources available electronically and in the hospital library to provide the best care possible for their patients.

- These skills will also be applied to the development of the required resident presentations evaluating a topic in toxicology in depth.
4. Perform a search of the medical literature to provide and discuss relevant articles as they relate to the management of the poisoned patient during the weekly journal club.
  5. All residents are expected to ask their supervising attending faculty for feedback in regards to their performance, especially at the midpoint and the end of the block rotation.

#### **Interpersonal and Communication Skills:**

1. Develop skills in oral presentations and effective communication of information with colleagues, patients and their families, consulting physicians, nursing and ancillary staff.
2. Produce effective written communication through accurate, complete and legible notes.
3. Present two referenced outlines researching a topic pertaining to toxicology in depth during our weekly conference, further demonstrating both oral and written communication skills.
4. Demonstrate awareness of and sensitivity to the educational level and social situation of their patients and families.

#### **Professionalism:**

1. Demonstrate respect, integrity and honesty in all interactions with patients, colleagues and other staff.
  - This includes, but is not limited to, adherence to ethical principles of medicine, compliance with hospital and department rules and regulations, maintenance of patient privacy and dignity at all times.
2. Demonstrate sensitivity to diverse cultures, age, gender and disabilities.
3. Become aware and sensitive to special issues such as substance abuse and addiction, suicidal ideation, and child welfare and supervision commonly encountered in the patient population specific to medical toxicology.
4. Be responsible and accountable for their actions.
  - Be punctual for rounds and other meetings and conferences during this block rotation

#### **Systems Based Practice:**

Demonstrate an awareness and responsiveness to the larger context and system of healthcare.

Work on their ability to effectively call on system resources to provide care that is safe and of optimal value.

Strive to be effective advocates for their patient and family.

Incorporate considerations of cost effectiveness when ordering diagnostic and therapeutic modalities.

Learn how to coordinate care with nursing staff, social work, discharge planners, psychiatry and other resources as appropriate in order to provide comprehensive care for their patients.

Gain first hand knowledge of the role of a Poison Center which gives recommendations and follows poisoning cases statewide.

All residents will spend at least 6 hours during their Medical Toxicology rotation monitoring calls at the Poison Center.

Every week residents, fellows, and staff gather to discuss interesting and educational patient cases managed through the Banner Poison Center.

In addition to providing quality assurance, cases are utilized to discuss diagnostic and treatment plans for envenomations, poisonings with pharmaceutical agents, and occupational/environmental exposures.

Goals and Objectives  
Rotation: Trauma Junior/Trauma Senior  
Location: University Medical Center

**Medical Knowledge:**

*Trauma Junior Residents:*

1. Complete the coursework and testing to obtain Basic and Advanced Cardiac Life Support (BLS and ACLS), Advanced and Trauma Life Support (ATLS), Describe the initial management of the injured patient(s) in the following stages of care:
  - a. Care in pre-hospital setting including BLS
  - b. Triage in emergency department
  - c. Serve as team leader and member during ATLS
  - d. Coordinate patient transport to tertiary facility
2. Outline the basic principles of triage in the emergency department, including:
  - a. Immediate treatment
  - b. Ambulatory treatment
  - c. Delayed treatment
  - d. Expectant treatment
  - e. Psychiatric considerations
3. Explain priorities for the diagnosis and/or assessment of illness/injury for patients presenting to the emergency department, keeping the following issues in mind:
  - a. Discuss requests for diagnostic studies comparing the urgency of the need to know with:
    - (1) The time required to obtain results
    - (2) Potential danger to unstable patient
    - (3) Quality of information obtained if a stat procedure compromises preparation of the patient
  - b. Compare the need for provision of expedient, cost effective work-ups against the appropriateness of using the emergency setting for extensive work-ups at the risk of over utilizing limited resources.
4. Explain the ATLS protocol for the emergency resuscitation and stabilization of a seriously ill or injured patient:
  - a. Cite working knowledge of the ABC's of resuscitation
  - b. Define the essentials of AMPLE history (Allergy, Medications, Past illnesses, Last meal, Events of illness/injury)
  - c. Define the essentials of the Primary and Secondary Surveys
5. Describe the considerations for establishing an airway appropriate to the patient's condition, including:
  - a. Nasal trumpets/nasopharyngeal airway
  - b. Bag-mask assistance
  - c. Endotracheal tube
  - d. Surgically Created Airways (cricothyrotomy-needle or tube)
6. Describe the anatomy, and physiology of all body systems affected by trauma, including the initial functional evaluation of the:
  - a. Central nervous system
  - b. Cardiovascular system
  - c. Pulmonary system
  - d. Gastrointestinal system
  - e. Genitourinary system
  - f. Extremity function

- g. Nutritional status
- 7. Review the anatomy, physiology, and pathology applicable to the general management of trauma patients, including:
  - a. Central nervous system
  - b. Musculoskeletal system
  - c. Hand/forearm
  - d. Ear, nose, and throat
  - e. Ophthalmology
- 8. Outline the basic techniques of evaluation and resuscitation of trauma patients using the American College of Surgeons (ACS) Advanced Trauma Life Support (ATLS) protocol.
- 9. Specify the trauma services needed for initial evaluation and resuscitation in the hospital setting. Categorize appropriate pre-hospital or emergency medicine system levels of care.
- 10. Discuss wound care management in the emergency department and other settings. Outline the management of the following drains and tubes: nasogastric tube (NGT), urinary bladder catheter, chest tube (CT), central venous line (CVL), arterial line (AL).
- 11. Explain the characteristics of basic surgical skill, including:
  - a. Sterile technique
  - b. Incisions
  - c. Wound closures
  - d. Knot tying
  - e. Handling of tissues
  - f. Selection/use of operating instruments
  - g. Universal precautions
- 12. Discuss the management of trauma involving the musculoskeletal system, including the need for casts, splints, and traction.
- 13. Summarize basic critical care management principles.
- 14. Analyze pharmacological support for trauma, resuscitation, and intensive care unit patients.
- 15. Identify the management principles for a trauma patient in the intensive care unit.
- 16. Outline the factors associated with rehabilitation as they apply to initial and early patient care.
- 17. Discuss the indications for, and the provision of, nutritional support for elderly patients sustaining trauma.
- 18. Outline the indications for such basic surgical procedures as:
  - a. Laparotomy
  - b. Debridement of injured tissues
  - c. Ultrasound
  - d. Medical antishock trousers (MAST)
  - e. HARE traction splint
  - f. Splinting
  - g. Diagnostic peritoneal lavage (DPL)
  - h. Thoracotomy/thoracostomy
  - i. Hemorrhage control
- 19. Discuss the primary causes/mechanisms of injury in the following list that contribute to making trauma the fifth leading cause of death in those aged 65 and older.
  - a. Falls
  - b. Motor vehicle crashes
  - c. Pedestrian injuries
  - d. Burns
  - e. Domestic abuse

*Trauma Senior Residents:*

- 1. Describe the typical case scenarios for the following life-threatening problems requiring appropriate urgent/emergent action:

- a. Multiple system trauma
  - b. Shock (cardiogenic, neurogenic, septic, and hypovolemic)
  - c. Traumatic neurological injuries
    - (1) Head injury without altered consciousness
    - (2) Head injury with altered consciousness, including deteriorating mental status
    - (3) Subarachnoid/subdural hemorrhage
    - (4) Penetrating head trauma
  - d. Chest injuries (penetrating and blunt)
  - e. Abdominal and pelvic injuries (penetrating and blunt)
  - f. Vascular injuries (penetrating and blunt)
2. Describe and explain the mechanics/ballistics associated with various wounding agents.
  3. Discuss the management of associated medical conditions seen in the trauma patient such as diabetes, chronic obstructive pulmonary disease, hypertension, coronary artery disease, and HIV.
  4. Identify the indications for emergency operative procedures such as burr holes, cricothyrotomy, insertion of cardiopulmonary assist devices, and resuscitative thoracotomy.
  5. Formulate a plan for rehabilitation to return the trauma patient to full functional life.
  6. Define abdominal compartment syndrome. Describe how to measure intra-abdominal pressures and develop a treatment plan to treat abdominal compartment syndrome.
  7. Define "Damage Control Surgery." Describe the sequence of damage control surgery in the treatment of the traumatized patient.

## PATIENT CARE

### *Trauma Junior Residents:*

1. Complete an ACS ATLS course as a provider.
2. Establish emergency stabilization of the traumatized patient via the following precautions:
  - a. Fracture management/stabilization
  - b. Cervical spine protection
  - c. Prevention of hypothermia
3. Assess patients presenting emergency conditions using the appropriate diagnostic protocol.
4. Prioritize requests for diagnostic studies based on need to know and the time required to obtain results.
5. Establish the following airways:
  - a. Perform bag-mask ventilation
  - b. Insert nasopharyngeal or oropharyngeal airways
  - c. Perform endotracheal intubation (oro- and naso-pharyngeal)
  - d. Perform a cricothyrotomy
6. Establish access to the central venous system.
7. Assist with acute resuscitation procedures as indicated. Participate in trauma evaluation, resuscitation, operative management, and intensive care unit (ICU) supervision of a multiply-injured patient.
8. Insert a variety of tubes:
  - a. Endotracheal
  - b. Thoracostomy
  - c. Intravenous
  - d. Intra-arterial
  - e. Diagnostic peritoneal lavage (DPL)
  - f. Urinary bladder catheter
  - g. Nasogastric tube
9. Apply and remove all types of dressings and splints, including the vacuum pack dressing.
10. Make and close a variety of incisions and tie knots using sterile technique.

11. Evaluate critical care parameters and make decisions, under direct supervision, regarding change in care.
12. Direct the evaluation of an acutely-injured patient to include resuscitation and the decision for operation.
13. Assess nutritional needs and institute necessary nutritional support.
14. Formulate rehabilitation plans for trauma patients.
15. Monitor the trauma patient in the intensive care unit, suggesting changes in management as indicated.
16. Manage pharmacologic treatment plans for patients during resuscitation and in the critical care unit.
17. Perform basic surgical procedures such as:
  - a. Wound debridement
  - b. Application of traction devices for both head and extremities

*Trauma Senior Residents:*

1. Perform triage of emergency trauma patients.
2. Manage penetrating wounds through understanding the injury potential of wounding mechanisms.
3. Provide management for pre-existing disease states in injured patients with appropriate consultation.
4. Perform all management procedures for trauma to the chest, abdomen, extremities, and head with direct supervision.
5. Supervise central line placement, cricothyrotomy, CT, DPL, and ultrasound by junior housestaff.
6. Direct rehabilitation plans with appropriate consultation.
7. Organize hospital resources to provide services for trauma patients and direct patient flow in the emergency department, the operating room, and the intensive care unit.
8. Provide appropriate referrals for vocation rehabilitation, nursing home services, and physical rehabilitation.
9. Triage multiple trauma victims.
10. Practice the principles of damage control surgery in severely-injured patients.

**INTERPERSONAL AND COMMUNICATION SKILLS**

*Trauma Junior and Senior Residents*

1. Display a friendly disposition that is conducive to successful interaction with team members and patients
2. Demonstrate the ability to handle and resolve conflict with patients
3. Communicate the treatment plans with the support staff and be able to listen and respond to the patients and support staff's questions in a positive manner
4. Interact effectively with patients and family members from a diverse background
5. Gather essential information from patients; and accurately document patient encounters
6. Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient

**PROFESSIONALISM**

*Trauma Junior and Senior Residents*

1. Relate as a team member with other residents from other departments
2. Relate with the patients and support staff politely and with respect
3. Respond to pages and consults in a timely manner
4. Respond to criticism and correction with calm and attentive demeanor
5. Demonstrate appropriate dress and decorum while on duty

6. . Handle all patient information confidentially and not discuss it in hallways or other public places
7. . Use and know the chain of command on the resident service
8. . Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems
9. . Demonstrate the ability to maintain composure in an emergency department environment

## **PRACTICE-BASED LEARNING AND IMPROVEMENT**

### **PGY 1 Residents:**

1. . Remain current on medical literature as it relates to surgical diseases and complications
2. . Be adept with online medical databases
3. . Teach medical students how to write surgical progress notes
4. . Describe and be familiar with resource management practices

### **PGY 2 Residents:**

1. . Demonstrate progression in procedural and technical skills in regard to peritoneal lavage, tracheotomy, ICU ventilator care, invasive ICU monitoring, and use of ultrasound to assess acute trauma.
2. . Remain current on medical literature as it relates to surgical diseases and complications
3. . Be adept with online medical databases
4. . Teach medical students how to write surgical progress notes
5. . Recognize and become familiar with resource management practices

### **PGY 3 Residents:**

1. . Demonstrate progression in advance technical skills related to simple vascular procedures
2. . Remain current in medical literature as it relates to surgical diseases and complications
3. . Be adept with online medical databases
4. . Teach medical students how to write surgical progress notes
5. . Demonstrate leadership and management skills by running the service in absence of the
6. . PGY 5 with close supervision and support from attendings
7. . Apply and practice resource management

## **SYSTEMS-BASED PRACTICE**

### ***Trauma Junior Residents:***

1. . Utilize the expertise of other services and support personnel
2. . Demonstrate good patient advocacy skills
3. . Recognize and understand how different health insurance companies affect the treatment plan for patients

### ***Trauma Senior Residents:***

1. . Coordinate EMS activities for initial trauma management to include instructional programs.
2. . Integrate closely with the total team of students, residents, and attending, caring for patients with routine surgical problems
3. . Explain trauma preventive measures, both medical and legal (e.g., the use of helmets and seat belts).

4. Analyze the transfer of a patient to an appropriate facility utilizing air medical services.
5. Discuss the availability and use of institutional and community support services for trauma patients such as social work, home health care, and vocation rehabilitation (physical and occupational therapy).
6. Discuss the management of a trauma service, including the training of its members in emergency medicine services, emergency department, operating room, intensive care, and rehabilitation.
7. Outline the economic impact of the following aspects of patient care:
  - a. Vocational rehabilitation
  - b. Nursing homes
  - c. Insurance
  - d. Diagnostic-related groups (DRG's) associated with management of trauma
  - e. Billing and coding
  - f. Managed care