The Ohio State University
Department of Orthopaedics

Residency Curriculum

PGY1 Rotations
Goals and Objectives
Anesthesiology Rotation – PGY1 Level

I. Core Competency Areas

By the end of the PGY1 rotation in Anesthesiology, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team

Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients
Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

By the end of the PGY1 rotation in Anesthesiology, the resident should:

1. Understand the implications of medical “preparation” for elective, urgent, and emergent surgical procedures
2. Appreciate how patients’ underlying illnesses, surgical procedure performed and positioning will impact choice of anesthetic
3. Learn options of anesthetic techniques for different procedures as well as the risks and benefits involved. These include monitored anesthesia care (MAC), general spinal/epidural anesthesia, brachial plexus blocks, femoral and sciatic nerve blocks, IV regional, and paravertebral/intercostals blocks.
4. Appreciate how regional anesthesia can be employed as a sole anesthetic, in combination with general anesthesia, and for postoperative analgesia.
5. Understand how anticoagulation/anticoagulants may alter anesthetic plan of regional technique.
6. Learn appropriateness of preoperative sedation as well as risks and benefits.
7. Be familiar with all local anesthetics and learn the maximum recommended doses as well as the toxicity profile of the most commonly used anesthetics.
8. Learn standard preoperative and intraoperative patient monitoring and positioning.
9. Become familiar with the basic pharmacology/physiology of the most commonly used induction/sedative drugs, inhalational agents, and muscle relaxants.
10. Understand intraoperative hemodynamic monitoring and principles of controlled hypotension.
11. Appreciate criteria for patient discharge

III. Specialty Specific Psychomotor Skills

By the end of the PGY1 rotation in Anesthesiology, the resident should be able to:

1. Become proficient in completing anesthesia preoperative assessments including complete airway evaluations.
2. Become more comfortable with starting peripheral intravenous lines
3. Learn to evaluate nerve blocks and options to supplement peripheral nerve blocks.
4. Practice airway management with emphasis on mask ventilation.
Goals and Objectives
Emergency Medicine Rotation – PGY1

General Rotation Information:

The Emergency Medicine rotation is intended to provide the PGY1 resident with experience in management of patients with emergent surgical and/or medical problems. The resident interacts with the emergency room in several settings. During the PGY 1 year the resident is assigned to the emergency room service for a one-month period of time. During this time the resident sees patients and is supervised by the emergency medicine staff. Residents are required to see the patient and then in concert with the attending emergency room physicians make decisions concerning the diagnosis and appropriate treatment plans. The resident is required to dictate a note regarding participation with the emergency room patient.

I. Core Competency Areas

By the end of the PGY1 rotation in Emergency Medicine, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team

Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

By the end of the PGY1 rotation in Emergency Medicine, the resident should:

1. Evaluate and manage multiple patients simultaneously
2. Manage the patient throughout the entire emergency department visit and arrange for proper disposition
3. Interpret laboratory data and radiographic studies (i.e. x-rays, CT scans, MRI’s)
4. Develop a differential diagnosis and order appropriate diagnostic studies
5. Maintain a clear and accurate record of the patient visit

III. Specialty Specific Psychomotor Skills

By the end of the PGY1 rotation in Emergency Medicine, the resident should be able to:

1. Demonstrate proficiency in assessing a patient in a timely fashion and develop a logical management plan
2. Demonstrate proficiency in foreign body removal from soft tissues and eyes
3. Demonstrate proficiency in fracture reduction and splint placement
4. Demonstrate proficiency in obtaining ABG’s and peripheral IV access
5. Demonstrate proficiency in the management of soft tissue injuries
6. Demonstrate proficiency in the repair of simple and complex lacerations
Goals and Objectives
Adult Orthopaedics Goals - PGY1

General Rotation Information:

The Orthopaedic rotation is intended to provide the PGY1 orthopaedic resident with an introduction to the diagnosis and management of orthopaedic disorders. The focus of this rotation is on developing the proper thought processes and the basics of history and physical examination as well as the general principles of musculoskeletal diseases, pathology, and their manifestation. Residents on this rotation will spend the majority of their time on the Orthopaedic Trauma Service. Trauma was chosen because it exposes the Orthopaedic intern to a large number of patients, both inpatient and outpatient, with a wide variety of musculoskeletal problems. Emphasis will be placed on the initial history, physical examination, imaging and treatment of patients with skeletal injury. Introduction to definitive methods of care will be introduced in a graded fashion. This rotation is under the guidance of the Department of Orthopaedic Surgery, and is directed by Dr. Laura Phieffer.

I. Core Competency Areas

By the end of the PGY1 rotation in Orthopaedics, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingnessness to take time to educate students and other health care professionals
Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team

Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

*By the end of the PGY1 rotation in Orthopaedics, the resident should:

1. Understand the diagnosis and management of orthopaedic disorder
2. Understand the general principles of musculoskeletal disorders, pathology, and their manifestation
3. Have developed the proper thought processes

III. Specialty Specific Psychomotor Skills

*By the end of the PGY1 rotation in Orthopaedics, the resident should be able to:

1. The PGY-1 will be capable of performing a thorough and accurate history.
2. The PGY-1 will be capable of performing a complete physical examination, with emphasis on the examination of the musculoskeletal system.
3. The PGY-1 will demonstrate proficiency in the initial evaluation of patients in the clinic, the emergency department, and in-patient settings.
4. The PGY-1 will be expected to demonstrate level appropriate surgical skills.
5. The PGY-1 will demonstrate effective patient management skills, in both the inpatient and outpatient settings.
Pediatric Radiology Goals and Objectives – PGY1 Level

I. Core Competency Areas

By the end of the PGY1 rotation in Pediatric Radiology, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team
Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

By the end of the PGY1 rotation in Pediatric Radiology, the resident should:

1) Understand the basic principles of reading plain radiographs of the musculoskeletal system
2) Understand the basic principles of ordering plain radiographs necessary to diagnose orthopaedic clinical problems arising in the acute care setting
3) Understand the basic principles of describing a fracture on plain radiography
4) Understand the basic principles of advanced imaging studies of the musculoskeletal system including but not limited to whole body bone scanning, MRI, CT
5) Understand the basic principles of interpretation of advanced imaging studies of the musculoskeletal system including but not limited to whole body bone scanning, MRI, CT
6) Develop beginning level competency in reading plain radiographs, whole body bone scans, MRI, and CT scans of the musculoskeletal system
7) Understand what additional imaging tests (if any) are needed after plain radiographs are performed to formulate an appropriate differential diagnosis
Goals and Objectives
Plastic Surgery/Burn Care Rotation – PGY1

General Rotation Information:

The Plastic Surgery/Burn Care rotation takes place within the Division of Plastic Surgery. This rotation focuses on the teaching of the basic principles of wound management such as skin grafts and flap construction. The majority of this rotation is outpatient in nature, but the resident will also assist in the operating room. The resident on this service will also participate in the care of the burn patient under the supervision of the critical care director and the burn service attending physicians.

I. Core Competency Areas

*By the end of the PGY1 rotation in Plastic Surgery, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.*

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team
Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

*By the end of the PGY1 rotation in Plastic Surgery and Burn Care, the resident should:*

1. Understand the basic principles of wound management.
2. Understand the basic principles of skin grafts and flap construction
3. Understand the basic principles of burn care
4. Understand the basic principles of certain microvascular procedures

III. Specialty Specific Psychomotor Skills

*By the end of the PGY1 rotation in Plastic Surgery and Burn Care, the resident should be able to:*

1. Accurately perform a physical examination.
2. Write up an accurate patient history.
3. Demonstrate proficiency in patient evaluation
4. Demonstrate basic operative skills and good surgical technique
5. Demonstrate good judgement in patient management
6. Demonstrate proficiency in the provision of pre and postoperative care of patients.
Radiology Goals and Objectives – PGY1 Level

I. Core Competency Areas

By the end of the PGY1 rotation in Radiology, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of one’s own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team
Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

By the end of the PGY1 rotation in Radiology, the resident should:

1) Understand the basic principles of reading plain radiographs of the musculoskeletal system
2) Understand the basic principles of ordering plain radiographs necessary to diagnose orthopaedic clinical problems arising in the acute care setting
3) Understand the basic principles of describing a fracture on plain radiography
4) Understand the basic principles of advanced imaging studies of the musculoskeletal system including but not limited to whole body bone scanning, MRI, CT
5) Understand the basic principles of interpretation of advanced imaging studies of the musculoskeletal system including but not limited to whole body bone scanning, MRI, CT
6) Develop beginning level competency in reading plain radiographs, whole body bone scans, MRI, and CT scans of the musculoskeletal system
7) Understand what additional imaging tests (if any) are needed after plain radiographs are performed to formulate an appropriate differential diagnosis
Goals and Objectives
Surgical Intensive Care Rotation – PGY1

General Rotation Information:

The Surgical Intensive Care (SICU) rotation provides PGY1 residents with co-management responsibilities with the primary surgical service. This rotation is intended to provide the resident with structured education in multi-system trauma and intensive care. Specifically, it involves the management of shock, sepsis, myocardial disease, multi-organ failure, and respiratory failure. The goal of the rotation is to provide the resident with experience in the care of critically ill patients.

I. Core Competency Areas

By the end of the PGY1 rotation in SICU, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team
Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

By the end of the PGY1 rotation in SICU, the resident should:

1. Understand the management of shock, sepsis, myocardial disease, multiple organ failure and respiratory failure.
2. Understand the basic management principles of SICU patients

III. Specialty Specific Psychomotor Skills

By the end of the PGY1 rotation in SICU, the resident should be able to:

1. Accurately perform a physical examination.
2. Write up an accurate patient history.
3. Demonstrate proficiency in patient evaluation
4. Demonstrate effective patient management skills
5. Demonstrate proficiency in performing procedures such as endotracheal intubation and invasive monitoring
6. Manage ventilators
Goals and Objectives
Trauma Surgery/Acute Care Surgery – PGY1

General Rotation Information:

The Acute Care Surgery rotation takes place within the Division of General Surgery. While on this rotation, the resident will learn how to develop an organized approach to the assessment, resuscitation, stabilization, and provision of definitive care for the trauma patient. The resident will also learn to recognize immediate life and limb threatening injuries.

I. Core Competency Areas

By the end of the PGY1 rotation in Trauma Surgery/Acute Care Surgery, the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team
Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific General Cognitive Knowledge

By the end of the PGY1 rotation in Trauma Surgery/Acute Care Surgery, the resident should:

1. Understand the mechanism of injury, pathophysiology, course and complications of trauma
2. Understand the pathophysiology, clinical course, and complications of disorders of the appendix
3. Understand the pathophysiology, clinical course, and complications of disorders of the gall bladder
4. Understand the pathophysiology, clinical course, and complications of acute injuries to the digestive system
5. Understand the special considerations in the evaluation and management of pregnant, pediatric, and geriatric trauma patients
6. Understand the principles of disaster management and burn management
7. Learn the techniques of spine immobilization in trauma victims
8. Understand the principles involved in the diagnosis and management of compartment syndrome
9. Understand the appropriate use of analgesics and sedatives in trauma patients
10. Understand the appropriate use of antibiotics and tetanus prophylaxis in trauma patients
11. Understand the principles involved in the diagnosis and management of spinal cord injuries
12. Understand how to calculate the Glasgow Coma scale and discuss its role in the evaluation of head injured patients

III. Specialty Specific Psychomotor Skills

By the end of the PGY1 rotation in Trauma Surgery/Acute Care Surgery, the resident should be able to:

1. Become proficient in the techniques and understand the indications for central venous access, arterial access, nasotracheal and oral tracheal intubation, mechanical ventilation, nasogastric intubation, foley catheter insertion, peritoneal lavage, trauma ultrasound, cricothyroidotomy, chest tube thoracostomy, Emergency Department thoracotomy MAST application and removal, venous cut down, rapid infusion and suture techniques.
2. Demonstrate the ability to rapidly and thoroughly assess victims of major and minor trauma.
3. Demonstrate proficiency in the management of fluid resuscitation of the trauma victim.
4. Demonstrate proficiency in pre and post operative management of disorders of the appendix
5. Demonstrate proficiency in pre and post operative management of disorders of the gall bladder
6. Demonstrate proficiency in pre and post operative management of acute injuries to the digestive system
7. Interpret radiographs in trauma patients, including chest, cervical, thoracic and lumbar spine, pelvis and extremity films.
8. Manage soft tissue injuries, including lacerations, avulsions and high pressure injection injuries.
9. Coordinate consultants involved in the care of multiple trauma patients.
10. Manage the acutely burned patient including minor and major injuries.
11. Proficiency in diagnosing and treating smoke inhalation
12. Assess and manage facial trauma.
13. Evaluate and manage anterior neck injuries both blunt and penetrating.
14. Assess and manage both penetrating and blunt chest trauma, blunt and penetrating abdominal trauma and the ability to diagnose and treat pelvic fractures.
15. Provide care of post-trauma patients throughout the entire spectrum of care from the ICU to the floor discharge.
Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific Knowledge

*By the end of the PGY1 rotation in SICU, the resident should:*

1. Understand the management of shock, sepsis, myocardial disease, multiple organ failure and respiratory failure.
2. Understand the basic management principles of SICU patients

III. Specialty Specific Psychomotor Skills

*By the end of the PGY1 rotation in SICU, the resident should be able to:*

1. Accurately perform a physical examination.
2. Write up an accurate patient history.
3. Demonstrate proficiency in patient evaluation
4. Demonstrate effective patient management skills
5. Demonstrate proficiency in performing procedures such as endotracheal intubation and invasive monitoring
6. Manage ventilators
Goals and Objectives
Vascular Surgery Rotation – PGY1

General Rotation Information:

The Vascular Surgery rotation takes place in the General Vascular Surgery Division of the Department of Surgery. This rotation is intended to provide PGY1 residents with experience in patient management of common vascular problems. Residents attend the vascular surgery clinic, participate in the preoperative work-up, perform routine vascular surgery, and often participate in the long term care decision for these patients, all under the direct supervision of an attending.

I. Core Competency Areas

By the end of the PGY1 rotation in Vascular Surgery the resident should demonstrate progress towards obtaining excellence in each of the following core competency areas.

Patient Care

1. Demonstration of caring and respectful behaviors when interacting with patients and families
2. Procurement of thorough, logical, and concise patient histories with an emphasis on the musculoskeletal system
3. Responsiveness to the individual needs of patients and their families
4. Performance of physical examinations that are accurate, comprehensive, and directed to patient’s problems. This applies to the clinic, emergency department, and in-patient settings.
5. Integration of medical facts and clinical data as the basis for diagnosis
6. Evaluation of risks, benefits, and alternative treatments
7. Formulation and carry out of a complete and effective treatment plan (operative and non-operative)
8. Counsel of patient and family in treatment procedure, options, and potential outcomes
9. Dissemination of education and services to the patient which are aimed at preventing treatment complications and maintaining health
10. Understanding of and performance of medical procedures related to treatment plan
11. Ability to work well with entire team of health care professionals and be involved in care of the patient

Medical Knowledge

1. Exhibition of a fund of medical knowledge that is up-to-date and ability to cite literature appropriately
2. Investigation of topics as needed for clinical assignments
3. Understanding and use of basic science principles as related to medical practice

Practice-Based Learning

1. Assessment of ones own patient management skills and ability to make appropriate changes in practice
2. Integration of evidence from scientific studies in the care of patient’s problems
3. Demonstration of knowledge of study designs and statistical methods in order to evaluate scientific studies
4. Usage of available information technology to obtain and manage information
5. Willingness to take time to educate students and other health care professionals

Interpersonal Skills

1. Fostering of a compassionate, therapeutic relationship with patients and their families
2. Ability to listen to patients and include them in treatment decisions
3. Ability to listen to information provided by other members of the health care team
Professionalism

1. Respectfulness of patient wishes and ability to provide adequate counseling, education, and informed consent instructions to patients
2. Demonstration of an ethically sound practice of medicine
3. Demonstration of sensitivity to cultural, age, gender, and disability issues among patients

Systems-Based Practice

1. Knowledge of how to provide cost-effective care
2. Willingness to advocate for patients within the health care system
3. Referral of patient to appropriate practitioners and agencies within the health care system
4. Accessing of consultants appropriately and use of their assistance in the management of ongoing care

II. Specialty Specific General Cognitive Knowledge

*By the end of the PGY1 rotation in Vascular Surgery, the resident should:*

1. Understand the preoperative, intraoperative, and postoperative care of vascular patients.
2. Understand the risks and potential complications of vascular procedures
3. Understand the preoperative workup of vascular patients.
4. Have a basic understanding of surgical anesthesia principles and procedures

III. Specialty Specific Psychomotor Skills

*By the end of the PGY1 rotation in Vascular Surgery, the resident should be able to:*

1. Accurately perform a physical examination.
2. Write up an accurate patient history.
3. Demonstrate proficiency in patient evaluation
4. Demonstrate basic operative skills and good surgical technique
5. Demonstrate effective patient management skills in both the outpatient and inpatient settings.
6. Demonstrate proficiency in the provision of pre and postoperative care of patients.
7. Perform routine vascular surgery procedures
8. Make long term care decisions for vascular patients.