

DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

ORTHOPAEDIC TRAUMA SERVICE

PATIENT CARE

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	PGY-5 RESIDENT
<p>Able to effectively care for outpatients in the emergency department.</p> <p>Able to round and care for inpatient trauma patients on the Trauma Service.</p> <p>Able to gather essential and accurate information about patients from detailed general history and physical examination.</p> <p>Able to work with other health care professionals from various disciplines in the emergency department and on the wards including health care professionals from internal medicine, pharmacy, trauma surgery, emergency</p>	<p>Able to effectively care for outpatients in the emergency department.</p> <p>Able to round and care for trauma patients on the Trauma Service.</p> <p>Able to gather essential and accurate information about patients from detailed general history and physical examination.</p> <p>Able to work with other health care professionals from various disciplines in the emergency department and on the wards including health care professionals from internal medicine, pharmacy, trauma surgery, emergency</p>	<p>Able to perform removal of orthopaedic implants including plates, screws, wires.</p> <p>Able to close surgical wounds.</p> <p>Able to place extremity external fixation devices and pelvic stabilization devices.</p> <p>Able to recognize, diagnose, and initiate treatment of infection, compartment syndromes, and limb lengthening conditions.</p> <p>Able to perform intramedullary nailing of long bones including femur, tibia, humerus, and plating of long bones including humerus, tibia, and femur.</p>	<p>Able to make informed decisions about diagnostic and therapeutic surgical interventions based on patient information and preferences.</p> <p>Able to develop and carry out patient management plans.</p> <p>Able to counsel and educate patients and their families.</p> <p>Able to recognize, diagnose, and initiate treatment for infections, compartment syndrome, limb and life threatening conditions.</p> <p>Able to successfully perform the procedures in patient care treatments as outlined for PGY-2's & 3's with the addition of</p>

<p>department, neurosurgery, and plastic surgery.</p> <p>Understand the principles and practice of conscious sedation through the emergency room personnel.</p> <p>Able to recognize, diagnose, and initiate treatment for infection, compartment syndrome, and limb and life threatening conditions.</p> <p>Able to make informed decisions about diagnostic and therapeutic intervention based on patient information.</p> <p>Able to successfully perform the following procedures: vena puncture, ABG's, EKG's, skin and skeletal traction apparatus, closed reduction of dislocations, application of casts and splints, arthrocentesis of peripheral joints.</p> <p>Able to prepare patients in the emergency department for operative intervention.</p>	<p>department, neurosurgery, and plastic surgery.</p> <p>Understand the principles and practice of conscious sedation through the emergency room personnel.</p> <p>Able to recognize, diagnose, and initiate treatment for infection, compartment syndrome, and limb and life threatening conditions.</p> <p>Able to make informed decisions about diagnostic and therapeutic intervention based on patient information.</p> <p>Able to successfully perform the following procedures: vena puncture, ABG's, EKG's, skin and skeletal traction apparatus, closed reduction of dislocations, application of casts and splints, arthrocentesis of peripheral joints.</p> <p>Able to prepare patients in the emergency department for operative intervention.</p>	<p>Able to work with other health care professionals from various disciplines to provide excellent patient-focus care including health care professionals from the emergency department, internal medicine, pharmacy, trauma surgery, neurosurgery, plastic surgery, anesthesiology, and operating room personnel.</p> <p>Able to round and care for trauma patients.</p>	<p>ORIF of simple and complex intra-articular fractures including fractures of the tibial plafond, tibial plateau, elbow, wrist, and acetabulum, reconstruction of unstable fracture dislocations of the pelvis including sacroiliac joints and the symphysis pubis independently.</p> <p>Able to work with other health care professionals from various disciplines to provide excellent patient-focus care including health professionals from internal medicine, pharmacy, trauma surgery, emergency department, neurosurgery, plastic surgery, anesthesiology, and operating room personnel. Able to round and care for and supervise the care for trauma patients on the orthopaedic ward.</p> <p>Effectively oversee the care of consultations both in the emergency department and throughout the hospital including the intensive care</p>
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<p>Able to carry out postoperative care of trauma patients on the orthopaedic ward and surgical intensive care unit.</p> <p>Able to manage ward emergencies including arrhythmias, hypoxia, myocardial infarction, and hemorrhagic shock.</p> <p>Able to multi-task as well as prioritize clinical responsibilities.</p> <p>Able to plan discharges.</p> <p>Able to perform ankle brachial index and assist in laceration repair and Halo placement in the Emergency Department.</p>	<p>Able to carry out postoperative care of trauma patients on the orthopaedic ward and surgical intensive care unit.</p> <p>Able to manage ward emergencies including arrhythmias, hypoxia, myocardial infarction, and hemorrhagic shock.</p> <p>Able to multi-task as well as prioritize clinical responsibilities.</p> <p>Able to plan discharges.</p> <p>Able to perform ankle brachial index and assist in laceration repair and Halo placement in the Emergency Department.</p>	<p>Able to carry out postoperative care of trauma patients on the orthopaedic ward and surgical intensive care unit.</p> <p>Able to manage ward emergencies including arrhythmias, hypoxia, myocardial infarction, and hemorrhagic shock.</p> <p>Able to multi-task as well as prioritize clinical responsibilities.</p> <p>Able to plan discharges.</p> <p>Able to perform ankle brachial index and assist in laceration repair and Halo placement in the Emergency Department.</p>	<p>units.</p> <p>Effectively oversee outpatient fracture clinic.</p> <p>Effectively serve as Chief Resident to oversee all of the in-house patients including consults as well as preparation and supervision of the operating room schedule, resident call schedule, patient clinics.</p>
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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

ORTHOPAEDIC TRAUMA SERVICE

MEDICAL KNOWLEDGE

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
<p>Demonstrate knowledge applicable to clinical situations including:</p> <ol style="list-style-type: none">1) Treatment options for long bone fractures.2) Prognosis and potential complications for long bone fractures.3) Rehab protocols for long bone fractures.4) Evaluation of patients with acute closed fractures.5) Basic splinting techniques. <p>Have an appreciation for the appropriate execution of pharmacologic principles with a special emphasis on narcotic management and the use of appropriate antibiotics with a basic understanding of principles of basic science as</p>	<p>Demonstrate knowledge applicable to clinical situations including:</p> <ol style="list-style-type: none">1) Treatment options for long bone fractures.2) Prognosis and potential complications for long bone fractures.3) Rehab protocols for long bone fractures.4) Evaluation of patients with acute closed fractures.5) Basic splinting techniques. <p>Have an appreciation for the appropriate execution of pharmacologic principles with a special emphasis on narcotic management and the use of appropriate antibiotics with a basic understanding of principles of basic science as</p>	<p>Demonstrate knowledge applicable to clinical situations including:</p> <ol style="list-style-type: none">1) Treatment options for long bone fractures.2) Prognosis and potential complications for long bone fractures.3) Rehab protocols for long bone fractures.4) Evaluation of patients with acute closed fractures.5) Basic splinting techniques. <p>Have an appreciation for the appropriate execution of pharmacologic principles with a special emphasis on narcotic management and the use of appropriate antibiotics with a basic understanding of principles of basic science as</p>	<p>Demonstrate knowledge applicable to clinical situations including:</p> <ol style="list-style-type: none">1) Treatment options for long bone fractures.2) Prognosis and potential complications for long bone fractures.3) Rehab protocols for long bone fractures.4) Evaluation of patients with acute closed fractures.5) Basic splinting techniques. <p>Have an appreciation for the appropriate execution of pharmacologic principles with a special emphasis on narcotic management and the use of appropriate antibiotics with a basic understanding of principles of basic science as</p>

<p>they apply to trauma including metabolism and wound healing.</p> <p>Have an appreciation and understanding for the biology of fracture healing.</p> <p>An understanding of the radiographic interpretation of fractures including classification, major long bone fractures.</p> <p>Appreciate and be able to articulate the signs and symptoms of acute, chronic, infection, and compartment syndromes.</p> <p>Be able to initiate treatment of open fractures.</p> <p>Successfully complete the OKU Specialty Series on Trauma.</p> <p>Successfully complete the OKU Specialty Series Self-Assessment Examination for Trauma.</p>	<p>they apply to trauma including metabolism and wound healing.</p> <p>Have an appreciation and understanding for the biology of fracture healing.</p> <p>An understanding of the radiographic interpretation of fractures including classification, major long bone fractures.</p> <p>Appreciate and be able to articulate the signs and symptoms of acute, chronic, infection, and compartment syndromes.</p> <p>Be able to initiate treatment of open fractures.</p> <p>Successfully complete the OKU Specialty Series on Trauma.</p> <p>Successfully complete the OKU Specialty Series Self-Assessment Examination for Trauma.</p>	<p>they apply to trauma including metabolism and wound healing.</p> <p>Have an appreciation and understanding for the biology of fracture healing.</p> <p>An understanding of the radiographic interpretation of fractures including classification, major long bone fractures.</p> <p>Appreciate and be able to articulate the signs and symptoms of acute, chronic, infection, and compartment syndromes.</p> <p>Be able to initiate treatment of open fractures.</p> <p>Definitive management of closed non-articular fractures.</p> <p>Management considerations for multiply injured patient.</p> <p>Successfully complete the OKU Specialty Series on Trauma.</p>	<p>they apply to trauma including metabolism and wound healing.</p> <p>Have an appreciation and understanding for the biology of fracture healing.</p> <p>An understanding of the radiographic interpretation of fractures including classification, major long bone fractures.</p> <p>Appreciate and be able to articulate the signs and symptoms of acute, chronic, infection, and compartment syndromes.</p> <p>Be able to initiate treatment of open fractures.</p> <p>Definitive management of closed non-articular fractures.</p> <p>Management considerations for multiply injured patient.</p> <p>Successfully complete the OKU Specialty Series on Trauma.</p>
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Successfully complete the reading syllabus for the PGY-1 Resident on the trauma service	Successfully complete the reading syllabus for the PGY-1 Resident on the trauma service	Successfully complete the OKU Specialty Series Self-Assessment Examination for Trauma. Successfully complete the reading syllabus for the PGY-1 Resident on the trauma service.	Successfully complete the OKU Specialty Series Self-Assessment Examination for Trauma. Successfully complete the reading syllabus for the PGY-1 Resident on the trauma service.
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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

ORTHOPAEDIC TRAUMA SERVICE

PRACTICE-BASED LEARNING

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
Attend and actively participate in the Fracture Conference, Trauma Conference, Spine Trauma Conference, and the Trauma Journal Club(s).	Attend and actively participate in the Fracture Conference, Trauma Conference, Spine Trauma Conference, and the Trauma Journal Club(s).	Attend and actively participate in the Fracture Conference, Trauma Conference, Spine Trauma Conference, and the Trauma Journal Club(s).	Attend and actively participate in the Fracture Conference, Trauma Conference, Spine Trauma Conference, and the Trauma Journal Club(s).
Able to locate, appraise, and assimilate evidence from scientific studies related to patient's health issues.	Able to locate, appraise, and assimilate evidence from scientific studies related to patient's health issues.	Able to locate, appraise, and assimilate evidence from scientific studies related to patient's health issues.	Able to locate, appraise, and assimilate evidence from scientific studies related to patient's health issues.
Able to obtain and use information about his/her patient population and larger populations from which patients are drawn.	Able to obtain and use information about his/her patient population and larger populations from which patients are drawn.	Able to obtain and use information about his/her patient population and larger populations from which patients are drawn.	Able to obtain and use information about his/her patient population and larger populations from which patients are drawn.
Effectively use statistical analysis, apply knowledge of study designs and statistical methods to the appraisal of clinical studies.	Effectively use statistical analysis, apply knowledge of study designs and statistical methods to the appraisal of clinical studies.	Effectively use statistical analysis, apply knowledge of study designs and statistical methods to the appraisal of clinical studies.	Effectively use statistical analysis, apply knowledge of study designs and statistical methods to the appraisal of clinical studies.

<p>Able to use information technology to manage information, assess on-line medical information and support his/her education.</p>	<p>Able to use information technology to manage information, assess on-line medical information and support his/her education</p>	<p>Able to use information technology to manage information, assess on-line medical information and support his/her education</p>	<p>Able to use information technology to manage information, assess on-line medical information and support his/her education.</p> <p>Able to facilitate the learning of students, the PGY-1, PGY-2, PGY-3 Residents as well as other health care professionals on the service.</p>
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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

ORTHOPAEDIC TRAUMA SERVICE

INTERPERSONAL AND COMMUNICATION SKILLS

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
Able to create and sustain a therapeutic and ethically sound relationship with patients and their families.	Able to create and sustain a therapeutic and ethically sound relationship with patients and their families.	Able to create and sustain a therapeutic and ethically sound relationship with patients and their families.	Able to create and sustain a therapeutic and ethically sound relationship with patients and their families.
Able to effectively use listening skills.	Able to effectively use listening skills.	Able to effectively use listening skills.	Able to effectively use listening skills.
Able to effectively provide information via various methods.	Able to effectively provide information via various methods.	Able to effectively provide information via various methods.	Able to effectively provide information via various methods.
Able to work effectively with others as a leader of the health care team.	Able to work effectively with others as a leader of the health care team.	Able to work effectively with others as a leader of the health care team.	Able to work effectively with others as a leader of the health care team.

DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

ORTHOPAEDIC TRAUMA SERVICE

PROFESSIONALISM

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
Demonstrate respect, compassion, and integrity in response to the needs of patients and their families.	Demonstrate respect, compassion, and integrity in response to the needs of patients and their families.	Demonstrate respect, compassion, and integrity in response to the needs of patients and their families.	Demonstrate respect, compassion, and integrity in response to the needs of patients and their families.
Demonstrate ethical principles pertaining to patient confidentiality issues.	Demonstrate ethical principles pertaining to patient confidentiality issues.	Demonstrate ethical principles pertaining to patient confidentiality issues.	Demonstrate ethical principles pertaining to patient confidentiality issues.
Demonstrate sensitivity to the culture, age, gender, and disability of patients and fellow health care professionals.	Demonstrate sensitivity to the culture, age, gender, and disability of patients and fellow health care professionals.	Demonstrate sensitivity to the culture, age, gender, and disability of patients and fellow health care professionals.	Demonstrate sensitivity to the culture, age, gender, and disability of patients and fellow health care professionals.

DUKE ORTHOPAEDIC SURGERY

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ORTHOPAEDIC TRAUMA SERVICE

SYSTEM BASED PRACTICE

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
<p>Demonstrates competency in coordinating all aspects of perioperative and postoperative rehabilitation and physical therapy.</p>	<p>Demonstrates competency in coordinating all aspects of perioperative and postoperative rehabilitation and physical therapy.</p>	<p>Demonstrates competency in coordinating all aspects of perioperative and postoperative rehabilitation and physical therapy.</p>	<p>Demonstrates competency in coordinating all aspects of perioperative and postoperative rehabilitation and physical therapy.</p>
<p>Demonstrates an understanding of how patient care and other professional practices affect other health care professionals, health care organizations, and the largest society in how these elements of the systems affect one's own practice.</p>	<p>Demonstrates an understanding of how patient care and other professional practices affect other health care professionals, health care organizations, and the largest society in how these elements of the systems affect one's own practice.</p>	<p>Demonstrates an understanding of how patient care and other professional practices affect other health care professionals, health care organizations, and the largest society in how these elements of the systems affect one's own practice.</p>	<p>Demonstrates an understanding of how patient care and other professional practices affect other health care professionals, health care organizations, and the largest society in how these elements of the systems affect one's own practice.</p>
<p>Demonstrates knowledge of how different types of medical practice and health care delivery systems differ from one another including methods of controlling health care costs</p>	<p>Demonstrates knowledge of how different types of medical practice and health care delivery systems differ from one another including methods of controlling health care costs.</p>	<p>Demonstrates knowledge of how different types of medical practice and health care delivery systems differ from one another including methods of controlling health care costs.</p>	<p>Demonstrates knowledge of how different types of medical practice and health care delivery systems differ from one another including methods of controlling health care costs.</p>

<p>and allocating resources.</p> <p>Has the opportunity to practice medicine in various health care systems including an academic teaching hospital, veterans administration hospital, community hospital, pediatric orthopaedic hospital, and community health department.</p> <p>Has understanding of various health funding systems including private insurance, Medicare, Medicaid, Workers Compensation, and Vocational Rehabilitation.</p> <p>Practices cost-effective health care and resource allocation that does not compromise quality of care.</p> <p>Demonstrates understanding of impact of correct coding during patient office visits and surgery.</p> <p>Effectively partners with health care managers and health care providers to assess, coordinate,</p>	<p>and allocating resources.</p> <p>Has the opportunity to practice medicine in various health care systems including an academic teaching hospital, veterans administration hospital, community hospital, pediatric orthopaedic hospital, and community health department.</p> <p>Has understanding of various health funding systems including private insurance, Medicare, Medicaid, Workers Compensation, and Vocational Rehabilitation.</p> <p>Practices cost-effective health care and resource allocation that does not compromise quality of care.</p> <p>Demonstrates understanding of impact of correct coding during patient office visits and surgery.</p> <p>Effectively partners with health care managers and health care providers to assess, coordinate,</p>	<p>and allocating resources.</p> <p>Has the opportunity to practice medicine in various health care systems including an academic teaching hospital, veterans administration hospital, community hospital, pediatric orthopaedic hospital, and community health department.</p> <p>Has understanding of various health funding systems including private insurance, Medicare, Medicaid, Workers Compensation, and Vocational Rehabilitation.</p> <p>Practices cost-effective health care and resource allocation that does not compromise quality of care.</p> <p>Demonstrates understanding of impact of correct coding during patient office visits and surgery.</p> <p>Effectively partners with health care managers and health care providers to assess, coordinate,</p>	<p>and allocating resources.</p> <p>Has the opportunity to practice medicine in various health care systems including an academic teaching hospital, veterans administration hospital, community hospital, pediatric orthopaedic hospital, and community health department.</p> <p>Has understanding of various health funding systems including private insurance, Medicare, Medicaid, Workers Compensation, and Vocational Rehabilitation.</p> <p>Practices cost-effective health care and resource allocation that does not compromise quality of care.</p> <p>Demonstrates understanding of impact of correct coding during patient office visits and surgery.</p> <p>Effectively partners with health care managers and health care providers to assess, coordinate,</p>
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<p>and improve health care and know how these activities can affect system performance.</p> <p>Demonstrates the ability to practice culturally competent medicine.</p>	<p>and improve health care and know how these activities can affect system performance.</p> <p>Demonstrates the ability to practice culturally competent medicine.</p>	<p>and improve health care and know how these activities can affect system performance.</p> <p>Demonstrates the ability to practice culturally competent medicine.</p>	<p>and improve health care and know how these activities can affect system performance.</p> <p>Demonstrates the ability to practice culturally competent medicine.</p>
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DUKE ORTHOPAEDIC SURGERY

DELINEATED LINES OF RESPONSIBILITY

ORTHOPAEDIC TRAUMA SERVICE

OUTPATIENT RESPONSIBILITIES

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
<p>The PGY-1 will act as first responder with the Chief Resident in the evaluation of new patients in the emergency department.</p> <p>The PGY-1 will present each patient to the Chief Resident. This presentation will include history, examination, diagnosis, and a proposed treatment plan. The Chief Resident will assist the PGY-1 in initial care including injections, application of casts, splinting, Halo placement, and ordering of appropriate image studies.</p>	<p>The PGY-2 resident operates as a “night float” and serves as the first responder with the Chief Resident on-call in the evaluation of new patients in the Emergency Department.</p> <p>The PGY-2 will present each patient to the Chief Resident. This presentation will include history, examination, diagnosis, and a proposed treatment plan. The Chief Resident will assist the PGY-2 in initial care including injections, application of casts, splinting, Halo placement, and ordering of appropriate image studies.</p>	<p>The PGY-3 Resident serves as a consultant to the PGY-2 resident on call in the emergency department. However, the PGY-3’s primary responsibility is to assist the Chief Resident on preparation and execution of night surgery under the supervision of the orthopaedic attending on call.</p>	<p>Two Chief Residents are assigned to the Orthopaedic Trauma Service. The first Chief Resident is designated as the Administrative Chief Resident and will serve as a one-on-one consultant/teacher to the Orthopaedic PGY-1 Resident assigned to the emergency department. He will assist the PGY-1 Orthopaedic Resident in the initial evaluation and treatment of all patients within the emergency department (daily 7 a.m. to 7 p.m.). The other Trauma Chief Resident will serve as the Operative Chief Resident for the service. He will assist the two Trauma attending orthopaedic surgeons on their cases.</p>

DUKE ORTHOPAEDIC SURGERY

DELINEATED LINES OF RESPONSIBILITY

ORTHOPAEDIC TRAUMA SERVICE

INPATIENT RESPONSIBILITIES

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
<p>The PGY-1 Resident responsible for inpatient care of orthopaedic patients will be directly supervised by the Chief Resident on the trauma service.</p> <p>The PGY-1 Resident assigned to the care of the orthopaedic inpatients will be directly responsible to the Chief Resident on the trauma service.</p> <p>Basic inpatient care responsibilities will include rounding, writing progress notes, writing appropriate orders, reviewing and acting on laboratory and radiographic data, monitoring progress with postoperative inpatient rehabilitation, wound care, discharge instructions, and</p>	<p>The PGY-2 resident will round with the Trauma Team following his/her “night float” on call. The PGY-2 resident is then excused for the day and will return in the evening as the on-call first responder to the ER. He/she has no inpatient responsibilities other than to “back-up” the PGY-1 resident on call for the orthopaedic ward.</p>	<p>The PGY-3 Resident is responsible for pre and postoperative rounding on all patients and will operate on these patients with the Chief Resident and attending orthopaedic surgeon on call.</p>	<p>The Administrative Chief Resident is responsible to the trauma attending for all activities of the Trauma Service. These include inpatient rounds twice daily, graduated surgical responsibility in the operating room, and the supervision and teaching of medical students.</p> <p>The Operative Chief Resident will assist the Administrative Chief Resident on rounds, teaching medical students, and assisting junior residents in the operating room.</p>

obtaining appropriate consultation as required.			
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DUKE ORTHOPAEDIC SURGERY
DELINEATED LINES OF RESPONSIBILITY
ORTHOPAEDIC TRAUMA SERVICE

OPERATIVE RESPONSIBILITIES

PGY-1 RESIDENT	PGY-2 RESIDENT	PGY-3 RESIDENT	CHIEF RESIDENT
<p>In the operating room the PGY-1 Resident's duties will be extremely limited but may involve occasional removal of hardware, irrigation and debridement, basic amputation surgery. At all times the resident will be directly supervised by the Chief Resident and/or the attending orthopaedic surgeon.</p>	<p>The PGY-2 has no operative responsibilities and serves as a night float in the management of orthopaedic consultations in the emergency department and throughout the hospital.</p>	<p>The PGY-3 Resident serves as the "nigh float" to assist the Chief Resident on-call and orthopaedic attending on all operative cases performed during the nighttime hours.</p>	<p>The Chief Resident will assist the trauma attending orthopaedic surgeon in all aspects of the operative care.</p> <p>The actual performance of all or part of the orthopaedic procedure will be done either under direct supervision or semi-independently in those situations deemed appropriate by the attending orthopaedic surgeon. The Chief Resident is also responsible for teaching the junior residents and enabling the junior resident to increase his/her surgical skills in the operating room.</p>

