

DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

PEDIATRIC ORTHOPAEDIC SERVICE

PATIENT CARE

PGY-4 RESIDENT

Demonstrates competency with initial patient care and clinical skills needed to facilitate adequate evaluation, diagnosis, and treatment of pediatric orthopaedic patients in the emergency room setting, the clinic, and the operating room. This will include musculoskeletal complaints in traumatic, infectious, congenital, idiopathic, and inflammatory etiologies.

Able to evaluate what imaging studies are most appropriate in evaluating patients with traumatic, infectious, inflammatory, congenital, and idiopathic pathologies.

Competently prepares patients and manages patient care through both simple and complex surgical treatment, assessing patient safety and comfort and establishes a meaningful discharge plan.

Reports to the attending surgeon his/her findings and/or treatment rendered regarding their daily functions on the nursing divisions and emergency room regarding patient progress and/or problems, consultations, and treatment rendered.

Demonstrates basic skills of closed treatment necessary to provide satisfactory care of patients with traumatic injury both in the

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Reports to the attending surgeon his/her findings and/or treatment rendered regarding their daily functions on the nursing divisions and emergency room regarding patient progress and/or problems, consultations, and treatment rendered.

Demonstrates basic skills of closed treatment necessary to provide satisfactory care of patients with traumatic injury both in the

emergency room and the outpatient clinic. This includes such injuries as hand, forearm, elbow, humerus, clavicle, upper extremity, foot, ankle, and tibia fractures of the lower extremity.

Demonstrates basic surgical skills essential to performing closed and open surgical treatment of patients with traumatic and inflammatory pathology. This includes performing and assisting percutaneous fixation of open fractures and fixation of applicable fractures of the ankle, tibia, femur, and forearm using the Ilizarov and Taylor frame techniques as appropriate. This also includes incision and debridement of open fractures of long bones and incision and drainage of septic processes of the ankle and knee.

Demonstrates competency in taking a detailed history, complete appropriate and accurate physical examination, ordering and reviewing appropriate imaging and diagnostic studies to allow integration of information to formulate a diagnosis and treatment plan.

In the second half of the rotation (3 months) demonstrates advanced technology skills that allow participation as the lead surgeon with attending assistance in the surgical treatment of patients with pediatric orthopaedic pathology of both minor and major complexity secondary to all possible etiologies.

Demonstrates ability to anticipate inpatient as well as outpatient care needs and a comprehensive plan for post discharge management and rehabilitative care of the patient.

Demonstrates skills sufficient to apply corrective casts for congenital or development deformities of the upper and lower

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<p>extremities as needed in the surgical management of brachial plexus deformity, flexion deformity of the knee, clubfoot deformity, DDH, and Perthes disease.</p> <p>Demonstrates a knowledge of and treatment plan approaches to neoplastic conditions in pediatric orthopaedics.</p> <p>Manage hip dysplasia in the child utilizing both closed and open technique to include open reduction with or without femur or pelvic osteotomy.</p> <p>Treat Calve-Perthes disease and slipped capital femoral epiphyses either surgical or nonsurgical techniques.</p> <p>Demonstrate the ability to assess diagnosis and plan nonoperative as well as operative treatment of spinal deformity.</p> <p>Demonstrates ability to utilize orthotics in the treatment of spinal deformities.</p> <p>Demonstrate the ability to surgically approach and master instrumentation of development spinal disorders.</p> <p>Demonstrate the ability to perform both closed and open treatment deformities about the foot and ankle, specifically that involving congenital clubfoot, flat foot, and cavus foot deformities.</p> <p>Demonstrates a working knowledge of treatment skills in treating musculoskeletal aspects of neuromuscular disease such as static encephalopathy, arthrogryposis, and primary muscle diseases.</p>	<p>extremities as needed in the surgical management of brachial plexus deformity, flexion deformity of the knee, clubfoot deformity, DDH, and Perthes disease.</p> <p>Demonstrates a knowledge of and treatment plan approaches to neoplastic conditions in pediatric orthopaedics.</p> <p>Manage hip dysplasia in the child utilizing both closed and open technique to include open reduction with or without femur or pelvic osteotomy.</p> <p>Treat Calve-Perthes disease and slipped capital femoral epiphyses either surgical or nonsurgical techniques.</p> <p>Demonstrate the ability to assess diagnosis and plan nonoperative as well as operative treatment of spinal deformity.</p> <p>Demonstrates ability to utilize orthotics in the treatment of spinal deformities.</p> <p>Demonstrate the ability to surgically approach and master instrumentation of development spinal disorders.</p> <p>Demonstrate the ability to perform both closed and open treatment deformities about the foot and ankle, specifically that involving congenital clubfoot, flat foot, and cavus foot deformities.</p> <p>Demonstrates a working knowledge of treatment skills in treating musculoskeletal aspects of neuromuscular disease such as static encephalopathy, arthrogryposis, and primary muscle diseases.</p>
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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

PEDIATRIC ORTHOPAEDIC SERVICE

MEDICAL KNOWLEDGE

PGY-4 RESIDENT

Accurately interprets imaging studies in carrying for patients in the emergency department, patient clinic, and in the operating room.

Demonstrates knowledge of the anatomy of both the upper and lower extremity to sufficiently evaluate and provide definitive emergency room and outpatient pediatric trauma care both soft tissue and osseous tissues of all aspects of the same.

Knowledge to sufficiently allow the resident to be an effective assistant in the surgical treatment of rheumatic and septic processes in all areas of pediatric orthopaedics.

Demonstrates a working knowledge of closed and open surgical treatment of all types of pediatric orthopaedic pathology.

Demonstrates understanding of the various surgical approaches in treating common pediatric orthopaedic conditions.

Demonstrates progressive improvement in the depth of knowledge in all aspects of pediatric orthopaedic care being provided on the service. This should include awareness of

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Demonstrates understanding of the various surgical approaches in treating common pediatric orthopaedic conditions.

Demonstrates progressive improvement in the depth of knowledge in all aspects of pediatric orthopaedic care being provided on the service. This should include awareness of

<p>differential diagnoses and indepth knowledge of patho-anatomy, variable treatment approaches and the ability to consistently select a most appropriate approach for a particular patient in question.</p> <p>Successfully complete the OKU Specialty Series for Pediatric Orthopaedics.</p> <p>Successfully complete the OKU Specialty Series Self-Assessment Examination for Pediatric Orthopaedics.</p> <p>Complete the AAOS Monograph series of Legg-Calve-Perthes Disease, Slipped Capital Femoral Epiphysis, Operative Management of Lower Extremity Fractures in Children, and Operative Management of Upper Extremity Fractures in Children.</p> <p>Successfully complete the reading reference list for pediatric orthopaedics.</p>	<p>differential diagnoses and indepth knowledge of patho-anatomy, variable treatment approaches and the ability to consistently select a most appropriate approach for a particular patient in question.</p> <p>Successfully complete the OKU Specialty Series for Pediatric Orthopaedics.</p> <p>Successfully complete the OKU Specialty Series Self-Assessment Examination for Pediatric Orthopaedics.</p> <p>Complete the AAOS Monograph series of Legg-Calve-Perthes Disease, Slipped Capital Femoral Epiphysis, Operative Management of Lower Extremity Fractures in Children, and Operative Management of Upper Extremity Fractures in Children.</p> <p>Successfully complete the reading reference list for Pediatric Orthopaedics.</p>
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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

PEDIATRIC ORTHOPAEDIC SERVICE

PRACTICE BASED LEARNING AND DEVELOPMENT

PGY-4 RESIDENT

Prepare for and present twice monthly pediatric orthopaedic subjects at Grand Rounds.

Prepare for and participate in weekly Pediatric Subspecialty Conferences.

Complete the AAOS Monograph series of Legg-Calve-Perthes Disease, Slipped Capital Femoral Epiphysis, Operative Management of Lower Extremity Fractures in Children, and Operative Management of Upper Extremity Fractures in Children.

Able to locate, appraise, and assimilate evidence for scientific studies related to patient health issues.

Able to obtain and use information about his/her patient population and the larger population for which patients are drawn.

Able to apply knowledge of study designs and statistical methods to the appraisal of clinical studies.

Able to use information technology to assess on-line medical

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Able to use information technology to assess on-line medical

information and support his/her own education. Participate in the monthly Pediatric Journal Club.	information and support his/her own education. Participate in the monthly Pediatric Journal Club.
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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

PEDIATRIC ORTHOPAEDIC SERVICE

INTERPERSONAL AND COMMUNICATION SKILLS

PGY-4 RESIDENT

Demonstrates the understanding and importance of family dynamics assuring both patient and parents that the child's care is of the utmost concern to the resident and the team when dealing with patients. In so doing the resident will demonstrate skills necessary to assure a sense of comfort in the parent's part that everything reasonable and possible is being done at all times to facilitate care of their child.

Able to effectively provide information via various information technology.

Able to work effectively with others as a member or leader of the health care team.

Personally and professionally interacts with the hospital staff, house officers, and attending staff.

Displays effective communication skills when informing children of upcoming events and assisting children throughout such events.

Demonstrates ability to keep the family informed of planned

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treatment and possibilities of outcome in such a way that the family can readily comprehend the essentials of the pathology and the planned treatment.	treatment and possibilities of outcome in such a way that the family can readily comprehend the essentials of the pathology and the planned treatment.
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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

PEDIATRIC ORTHOPAEDIC SERVICE

PROFESSIONALISM

PGY-4 RESIDENT

Demonstrate respect, compassion, and integrity in response to the needs of patients and their families.

Demonstrates a commitment to excellence and ongoing professional development.

Demonstrates ethical principles pertaining to patient confidentiality issues.

Demonstrates sensitivity to culture, age, gender, and disabilities of patients and fellow health care professionals.

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DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

PEDIATRIC ORTHOPAEDIC SERVICE

SYSTEMS BASED PRACTICE

PGY-4 RESIDENT

Possess the ability to readily interact with all important ancillary services necessary to provide orthopaedic care to the pediatric patient. This would include the physical therapist, occupational therapist, rehabilitation therapist, social workers, and in particular the nursing staff of the emergency room, the operating room, and the ward.

Demonstrates competency in coordinating all aspects of perioperative and postoperative rehabilitation and physical therapy.

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.

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 and allocating resources.

Has the opportunity to practice medicine in various health care

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Has the opportunity to practice medicine in various health care

<p>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, 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>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, 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
PEDIATRIC ORTHOPAEDIC SERVICE

OUTPATIENT CLINIC

PGY-4 RESIDENT

The PGY-4 Resident works directly with the attendings in the clinic in evaluating and treating patients. The PGY- 4 Resident performs the history, physical examination, and presents these findings to the pediatric orthopaedic attending who will assist the resident in the appropriate disposition.

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DUKE ORTHOPAEDIC SURGERY
DELINEATED LINES OF RESPONSIBILITY
PEDIATRIC ORTHOPAEDIC SERVICE

INPATIENTS

PGY-4 RESIDENT

The PGY-4 Resident is responsible for twice daily rounding on both the inpatients and pediatric orthopaedic consults. The resident reports directly to the pediatric orthopaedic attending(s).

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DUKE ORTHOPAEDIC SURGERY
DELINEATED LINES OF RESPONSIBILITY
PEDIATRIC ORTHOPAEDIC SERVICE

OPERATING ROOM

PGY-4 RESIDENT

In the operating room the PGY-4 Residents responsibilities include assisting the pediatric orthopaedic attending surgeon(s) in surgery, performing surgery under the direct supervision of the attending.

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PEDIATRIC ORTHOPAEDIC SERVICE

EMERGENCY ROOM

PGY-4 RESIDENT

The PGY-4 Resident alternates on-call with the second PGY-4 Resident in seeing patients and both evaluating and definitively treating pediatric musculoskeletal trauma as appropriate. These activities will be directly supervised by the Trauma Chief Resident and/or trauma attending as well as the pediatric orthopaedic attending as appropriate.

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