

DUKE ORTHOPAEDIC SURGERY

GOALS AND OBJECTIVES

GREENVILLE SHRINER'S HOSPITAL PEDIATRIC ORTHOPAEDIC ROTATION

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 clinic and in the operating room. This will include musculoskeletal complaints, infectious, congenital, idiopathic, and inflammatory etiologies.

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

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

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

Demonstrates competency in taking a detailed history,

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

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

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

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 assistants in the surgical treatment of patients with pediatric orthopaedic pathology, both minor and major complexity secondary to all possible etiologies.

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

Demonstrates skills sufficient to apply corrective casts for congenital and developmental deformities in the upper and lower extremity as needed in the management of brachial plexus deformity, flexion deformity of the knee, club foot deformity, DDH, and Perthes disease.

Demonstrates ability to manage hip dysplasia in the child using both closed and open techniques, to include open reduction with or without femur or pelvic osteotomy.

Ability to treat Calve-Perthes disease and slipped capital femoral epiphysis, either surgical or nonsurgical techniques.

Demonstrates the ability to assess, diagnose, and plan nonoperative as well as operative treatment of spinal deformity.

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Ability to treat Calve-Perthes disease and slipped capital femoral epiphysis, either surgical or nonsurgical techniques.

Demonstrates the ability to assess, diagnose, and plan nonoperative as well as operative treatment of spinal deformity.

<p>Demonstrates ability to utilize orthotics in the treatment of spinal deformities.</p> <p>Demonstrates the ability to surgically approach and perform instrumentation of developmental spinal disorders.</p> <p>Demonstrates the ability to perform both closed and open treatment of deformities about the foot and ankle, specifically that involving congenital club foot, flat foot, and cavus foot deformities.</p> <p>Demonstrates a working knowledge of treatment skills in treating musculoskeletal aspects of neuromuscular disease, such as cerebral palsy, arthrofibrosis, and primary muscle disease.</p>	<p>Demonstrates ability to utilize orthotics in the treatment of spinal deformities.</p> <p>Demonstrates the ability to surgically approach and perform instrumentation of developmental spinal disorders.</p> <p>Demonstrates the ability to perform both closed and open treatment of deformities about the foot and ankle, specifically that involving congenital club foot, flat foot, and cavus foot deformities.</p> <p>Demonstrates a working knowledge of treatment skills in treating musculoskeletal aspects of neuromuscular disease, such as cerebral palsy, arthrofibrosis, and primary muscle disease.</p>
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MEDICAL KNOWLEDGE

PGY-4 RESIDENT

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Accurately interprets imaging studies in caring for patients in the outpatient clinics and in the operating room.

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Demonstrates knowledge of anatomy of both the upper and lower extremity to sufficiently evaluate and provide definitive outpatient pediatric care of both soft tissue and osseous lesions.

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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.

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

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Successfully completes the OKU Specialty Series for Pediatric Orthopaedics.

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Successfully completes the OKU Specialty Series Self-Assessment Examination for Pediatric Orthopaedics.

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Successfully completes the reference reading list for Pediatric Orthopaedics.

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PRACTICE-BASED LEARNING AND DEVELOPMENT

PGY-4 RESIDENT

Prepare for and participate in the surgical indications/case review conferences 3 x weekly. Rationale, decision-making, and treatment alternatives are reviewed at this conference.

Prepare for and participate in the weekly Pediatric Orthopaedic Journal Club.

Prepare for and present as appropriate in the weekly didactic lecture series covering all aspects of pediatric orthopaedics.

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 a larger population from 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

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medical information and support his/her own education.	Able to use information technology to assess on-line medical information and support his/her own education.
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INTERPERSONAL 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 parents.

In so doing, the resident will demonstrate skills necessary to assure a sense of comfort on the patient's part that everything reasonable and possible is being done at all times to facilitate care of the child.

Able to effectively provide information via various information technologies.

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

Personally and professionally interact 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.

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Personally and professionally interact 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 treatment and possibilities of outcome in such a way that the family can readily comprehend the essentials of the pathology and planned treatment.

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PROFESSIONALISM

PGY-4 RESIDENT

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

Demonstrates a commitment to excellence in ongoing professional development.

Demonstrates ethical principles pertaining to patient confidentiality issues.

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

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SYSTEM-BASED PRACTICE

PGY-4 RESIDENT

Possess the ability to readily interact with all important 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 at the emergency room, the operating room, and the ward service.

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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DELINEATED LINES OF RESPONSIBILITY –OUTPATIENT CLINIC

GREENVILLE SHRINER'S HOSPITAL PEDIATRIC ORTHOPAEDIC ROTATION

PGY-4 RESIDENT
OUTPATIENT

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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INPATIENT

The PGY-4 resident is responsible for the daily rounding on both the inpatients and all pediatric orthopaedic consults. The resident reports directly to the pediatric orthopaedic attending regarding clinical care, problems, potential complications, and discharge planning.

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OPERATING ROOM

In the operating room the PGY-4 resident's responsibilities include assisting the pediatric orthopaedic attending surgeon in surgery. This may include performing surgery under the direct supervision of the attending as appropriate.

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