

**Pediatric Orthopaedics**  
**Rotation Specific Evaluation (PGY4 & 5)**  
**Orthopaedic Surgery Residency Training Program**  
**College of Medicine, University of Saskatchewan**

| CanMEDS Roles / Competencies  | Expectations                 |   |                                    |                                      |   |     |
|---|------------------------------|---|------------------------------------|--------------------------------------|---|-----|
| Name: _____ PGY_____  | Much Below<br>Average        | Somewhat<br>Below Average               | Average                            | Somewhat<br>Above Average            | Much Above<br>Average                   | N/A |
| Rotation Dates: _____   |                              |   |                                    |                                      |   |     |
| Attending Staff: _____  | Rarely Meets<br>Expectations | Inconsistently<br>Meets<br>Expectations | Generally<br>Meets<br>Expectations | Sometimes<br>Exceeds<br>Expectations | Consistently<br>Exceeds<br>Expectations |     |
| <b>A. MEDICAL EXPERT:</b> At the conclusion of residency, the resident should meet all of the following objectives in spite of variations in rotation durations and resident exposure |                              |   |                                    |                                      |   |     |
| <b>1. Cognitive and Diagnostic</b>  |                              |   |                                    |                                      |   |     |
| 1 Understand normal musculoskeletal anatomy, growth and development in the child including common angular and torsional variants  |                              |   |                                    |                                      |   |     |
| 2 Understand the anatomy and pathologic basis of the disorders leading to a limp in a child   |                              |   |                                    |                                      |   |     |
| 3 Understand the mechanisms, patterns, assessment, management, and potential complications related to common pediatric fractures and dislocations                                     |                              |   |                                    |                                      |   |     |
| 4 Recognition and management of common overuse syndromes  |                              |   |                                    |                                      |   |     |
| 5 Recognition of non-accidental trauma and pathologic fractures   |                              |   |                                    |                                      |   |     |
| 6 Demonstrate knowledge of specific surgical approaches as it relates to the pediatric population   |                              |   |                                    |                                      |   |     |
| 7 Understand the mechanisms, patterns, assessment, management, and potential complications related to osteomyelitis and septic arthritis  |                              |   |                                    |                                      |   |     |
| 8 Understand the principles of management of children with:   |                              |   |                                    |                                      |   |     |
| • Common hip disorders  |                              |   |                                    |                                      |   |     |
| • Common foot disorders   |                              |   |                                    |                                      |   |     |
| • Angular and torsional deformities   |                              |   |                                    |                                      |   |     |
| • Limb length discrepancy   |                              |   |                                    |                                      |   |     |
| 9 Understand the principles of diagnosis and assessment of pediatric neoplasia  |                              |   |                                    |                                      |   |     |
| 10 Interpretation of imaging and other diagnostic tools specific to the pediatric population  |                              |   |                                    |                                      |   |     |
| 11 Understand the principles of management of children with:  |                              |   |                                    |                                      |   |     |
| • Complex neuromuscular disease   |                              |   |                                    |                                      |   |     |
| • Congenital musculoskeletal deformities  |                              |   |                                    |                                      |   |     |
| • Spinal deformities  |                              |   |                                    |                                      |   |     |
| • Metabolic bone disease/skeletal dysplasia   |                              |   |                                    |                                      |   |     |
| • Pediatric neoplasia   |                              |   |                                    |                                      |   |     |
| 12 Understand mechanisms, patterns, assessment, management, and potential complications related to complex pediatric fractures and dislocations                                       |                              |   |                                    |                                      |   |     |
| 13 Understand the anatomy, pathology, assessment, and management of complex hip disorders   |                              |   |                                    |                                      |   |     |
| 14 Understand the principles of management of pediatric polytrauma  |                              |   |                                    |                                      |   |     |
| 15 Understand the principles of operative management of:  |                              |   |                                    |                                      |   |     |
| • hip dysplasia in normal and neuromuscular patients  |                              |   |                                    |                                      |   |     |
| • clubfeet  |                              |   |                                    |                                      |   |     |
| • spinal deformity  |                              |   |                                    |                                      |   |     |

| CanMEDS Roles / Competencies  | Expectations  |                                   |                              |                                |                                   |     |
|---|---|-----------------------------------|------------------------------|--------------------------------|-----------------------------------|-----|
|   | Much Below Average  | Somewhat Below Average            | Average                      | Somewhat Above Average         | Much Above Average                | N/A |
|   | Rarely Meets Expectations   | Inconsistently Meets Expectations | Generally Meets Expectations | Sometimes Exceeds Expectations | Consistently Exceeds Expectations |     |
| <b>A. MEDICAL EXPERT:</b> At the conclusion of residency, the resident should meet all of the following objectives in spite of variations in rotation durations and resident exposure |   |                                   |                              |                                |                                   |     |
| <b>2. Technical</b>   |   |                                   |                              |                                |                                   |     |
| 1   | Assessment and management of simple fractures including appropriate analgesia/anesthesia techniques   |                                   |                              |                                |                                   |     |
| 2   | Demonstrate proficiency in clinical examination in the following areas:   |                                   |                              |                                |                                   |     |
|   | • assess the limping child  |                                   |                              |                                |                                   |     |
|   | • the hips of infants and children including Barlow and Ortolani maneuvers  |                                   |                              |                                |                                   |     |
|   | • general limb length   |                                   |                              |                                |                                   |     |
|   | • scoliosis examination   |                                   |                              |                                |                                   |     |
| 3   | Demonstrate the ability to:   |                                   |                              |                                |                                   |     |
|   | • perform percutaneous pinning of fractures   |                                   |                              |                                |                                   |     |
|   | • apply skin and skeletal traction  |                                   |                              |                                |                                   |     |
|   | • apply a Pavlik harness  |                                   |                              |                                |                                   |     |
| 4   | Assessment and management of complex pediatric fractures including:   |                                   |                              |                                |                                   |     |
|   | • physeal injuries  |                                   |                              |                                |                                   |     |
|   | • compound fractures  |                                   |                              |                                |                                   |     |
|   | • multiple trauma   |                                   |                              |                                |                                   |     |
|   | • compartment syndrome, and neurovascular compromise  |                                   |                              |                                |                                   |     |
| 5   | Carry out non-operative treatment of children's clubfoot  |                                   |                              |                                |                                   |     |
| 6   | Operative management of:  |                                   |                              |                                |                                   |     |
|   | • septic arthritis including arthrogram and arthrotomy  |                                   |                              |                                |                                   |     |
|   | • osteomyelitis   |                                   |                              |                                |                                   |     |
|   | • slipped capital femoral epiphysis   |                                   |                              |                                |                                   |     |
| 7   | Management of benign bone conditions  |                                   |                              |                                |                                   |     |
| 8   | Perform appropriate investigation including biopsy for suspected pediatric neoplasia  |                                   |                              |                                |                                   |     |
| 9   | Demonstrate the ability to apply a hip spica cast   |                                   |                              |                                |                                   |     |
| <b>B. COMMUNICATOR</b>  |   |                                   |                              |                                |                                   |     |
| 1   | Understands the role of communication in fostering patient satisfaction and compliance as it relates to pediatrics, parents and caregivers          |                                   |                              |                                |                                   |     |
| 2   | Elicits psychosocial information pertinent to the health of the patient including: socioeconomic background, ethnic, cultural, and spiritual values |                                   |                              |                                |                                   |     |
| 3   | Demonstrates the ability to deliver information to the pediatric patient and their support group in a way which is understandable                   |                                   |                              |                                |                                   |     |
| 4   | Understands and obtains informed consent using medical knowledge and awareness of current consent legislation and the Canada Health Act             |                                   |                              |                                |                                   |     |
| 5   | Demonstrates the ability to describe procedures to the pediatric patient and patient support group  |                                   |                              |                                |                                   |     |
| 6   | Demonstrates the ability to obtain an appropriate informed consent for patients undergoing interventions  |                                   |                              |                                |                                   |     |
| <b>C. COLLABORATOR</b>  |   |                                   |                              |                                |                                   |     |
| 1   | Demonstrate an understanding of the unique collaborative nature of pediatric care   |                                   |                              |                                |                                   |     |
| 2   | Understand and develops patient care plan with other members of the interprofessional healthcare team   |                                   |                              |                                |                                   |     |

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| 3 Demonstrates the ability to work within an interprofessional team in regards to research and administrative duties   |                           |                                   |                              |                                |                                   |     |
| 4 Demonstrate the ability to lead an interprofessional team  |                           |                                   |                              |                                |                                   |     |
| 5 Develop a care plan, integrate all members of the team needed and follow the plan to completion in regards to medical or non-medical issues around the care of the pediatric orthopaedic patient |                           |                                   |                              |                                |                                   |     |
| <b>D. MANAGER</b>  |                           |                                   |                              |                                |                                   |     |
| 1 Access and allocate finite health care efficiently within a healthcare organization  |                           |                                   |                              |                                |                                   |     |
| 2 Understand the structure, financing, and operation of the healthcare system and function effectively within it   |                           |                                   |                              |                                |                                   |     |
| 3 Lead the physician team and allocate manpower resources in regards to patient care   |                           |                                   |                              |                                |                                   |     |
| 4 Understand the role of the physician in regards to administrative duties in healthcare   |                           |                                   |                              |                                |                                   |     |
| 5 Demonstrate the ability to manage time allocation to inter and intra personal learning and duties  |                           |                                   |                              |                                |                                   |     |
| <b>E. HEALTH ADVOCATE</b>  |                           |                                   |                              |                                |                                   |     |
| 1 Recognizes and understands the psychological, social, and physical determinants of patient health  |                           |                                   |                              |                                |                                   |     |
| 2 Understand patient advocacy issues in regards to family, caregiver and social care network   |                           |                                   |                              |                                |                                   |     |
| 3 Understands the medico-legal obligations associated with non-accidental trauma   |                           |                                   |                              |                                |                                   |     |
| 4 Recognize the emotional stress for patients and families faced with orthopaedic conditions and optimize psychosocial support network for the pediatric patient                                   |                           |                                   |                              |                                |                                   |     |
| 5 Promotion of the determinants of health in the community at large as it relates to the pediatric population  |                           |                                   |                              |                                |                                   |     |
| 6 Demonstrate the knowledge of resources available to those patients in need of community-based care   |                           |                                   |                              |                                |                                   |     |
| 7 Understand the role of community based advocacy in regards to patients with special needs  |                           |                                   |                              |                                |                                   |     |
| 8 Demonstrate the need to serve as a patient advocate for scarce resources for the patient with special needs  |                           |                                   |                              |                                |                                   |     |
| <b>F. SCHOLAR</b>  |                           |                                   |                              |                                |                                   |     |
| 1 Demonstrates ability for self-directed learning and critical appraisal of the literature   |                           |                                   |                              |                                |                                   |     |
| 2 Demonstrate stratified level of knowledge of pediatric orthopaedics with teaching of the junior members of the pediatric healthcare team   |                           |                                   |                              |                                |                                   |     |
| 3 Recognize gaps in knowledge and implement a plan to improve their knowledge base   |                           |                                   |                              |                                |                                   |     |
| 4 Demonstrates the ability to resolve previously identified deficits in knowledge and technical skills   |                           |                                   |                              |                                |                                   |     |
| 5 Identify possible areas of research in pediatric orthopaedics  |                           |                                   |                              |                                |                                   |     |
| 6 Continue to develop teaching models for patient and colleague education  |                           |                                   |                              |                                |                                   |     |

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| <b>G. PROFESSIONAL</b>   |                           |                                   |                              |                                |                                   |     |
| 1 Demonstrates the ability to work within the scope of clinical and technical acumen and obtains responsible and timely patient referrals  |                           |                                   |                              |                                |                                   |     |
| 2 Practice ethically consistent with the obligations of a physician and expectation of the community in regards to gender, culture, ethnicity, race, spiritual values and socioeconomic standard |                           |                                   |                              |                                |                                   |     |
| 3 Demonstrates the ability to put patient and parents at ease and inspire confidence in the treatment plan   |                           |                                   |                              |                                |                                   |     |
| 4 Provides efficient, authoritative consultation to the referring source   |                           |                                   |                              |                                |                                   |     |
| 5 Serve as a role model to the junior members of the healthcare team in regards to a balance between professional and personal roles   |                           |                                   |                              |                                |                                   |     |
| 6 Understand the legislation in regards to treatment of the pediatric patient or patients otherwise unable to understand the scope of treatment needed for care                                  |                           |                                   |                              |                                |                                   |     |
| 7 Demonstrates ability to identify and remediate weakness in their managerial, administrative or education skills in regards to care of the pediatric patient                                    |                           |                                   |                              |                                |                                   |     |

**DESCRIPTIVE RESPONSES**

*For any items scored 0 or 1, specific comments are critical.*

1 **Strengths:**

2 **Areas for improvement:** (If remedial work is recommended - please provide specific suggestions)

3 **Comments:**

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Evaluator Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Resident Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Program Director: \_\_\_\_\_

Date: \_\_\_\_\_