CanMEDS Roles / Competencies

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

A. MEDICAL EXPERT: At the conclusion of residency, the resident should meet all of the following objectives in spite of variations in rotation durations and resident exposure

1. Cognitive and Diagnostic

   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
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      - 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

A. MEDICAL EXPERT: At the conclusion of residency, the resident should meet all of the following objectives in spite of variations in rotation durations and resident exposure

2. Technical

   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
<table>
<thead>
<tr>
<th>CanMEDS Roles / Competencies</th>
<th>Expectations</th>
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<tbody>
<tr>
<td></td>
<td>Much Below Average</td>
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<tr>
<td></td>
<td>Rarely Meets Expectations</td>
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<tr>
<td>3 Demonstrate the ability to:</td>
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<tr>
<td>• perform percutaneous pinning of fractures</td>
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<tr>
<td>• apply skin and skeletal traction</td>
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<tr>
<td>• apply a Pavlik harness</td>
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### B. COMMUNICATOR

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.

### C. COLLABORATOR

1. Demonstrate an understanding of the unique collaborative nature of pediatric care.

2. Understands and develops patient care plan with other members of the interprofessional healthcare team.

3. Demonstrates the ability to work within an interprofessional team in regards to research and administrative duties.

### D. MANAGER

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.

### E. HEALTH ADVOCATE

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.

### F. SCHOLAR

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

### G. PROFESSIONAL

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
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:**

Evaluator Signature:_________________________   Date: ______________________

Resident Signature:_________________________   Date: ______________________

Program Director:_________________________   Date: ______________________