

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

CanMEDS Roles / Competencies	Expectations					
Name: _____ PGY_____	Much Below Average	Somewhat Below Average	Average	Somewhat Above Average	Much Above Average	N/A
Rotation Dates: _____		Rarely Meets Expectations	Inconsistently Meets Expectations	Generally Meets Expectations	Sometimes Exceeds Expectations	
Attending Staff: _____						
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 Recognize emergency conditions (specifically acute cauda equina syndrome, acute neurological deterioration, acute traumatic spinal cord injury) with accurate prioritization						
2 Recognize the significance of injury in high-risk spinal conditions such as osteoporosis, inflammatory arthritis, DISH and ankylosing spondylitis						
3 Record a complete, accurate, well-organized history specific for disorders involving the spinal column and associated neurological conditions with an emphasis on understanding the patient's context and preferences in addition to appreciating the impact of the spinal disorder on the patient's quality of life, disability and function						
4 Perform a specific and complete physical exam for the entire spinal column and associated neurological structures with an emphasis on the assessment of deformity and dysfunction for the individual patient						
5 Develop an effective differential diagnosis based on information gathered on history and physical examination						
6 Understand and advise patients regarding non-surgical treatment options						
7 Formulate a management plan including appropriate frequency and goals of outpatient follow-up for patients managed surgically and non-surgically						
8 Participate in pre-operative planning for patients scheduled for surgery						
9 Understand the indications for spine surgery relative to the affecting pathophysiology						
10 Understand the risks, complications and expected outcomes of common spine procedures						
11 Demonstrate a familiarity with contemporary spine literature						
12 Demonstrate the ability to interpret contemporary spinal radiological investigations						
13 Provide a treatment plan for common disorders of the spine						
14 Demonstrate a thorough knowledge of anterior and posterior surgical approaches to the cervical, thoracic and lumbar spine						
15 Demonstrate knowledge of basic principles of spine arthrodesis including an understanding of the role of spinal instrumentation and stabilization						

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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 - Demonstrate proficiency in:						
1 Patient positioning, prepping, and draping for anterior and posterior spine surgery						
2 Proficiency in applying external fixation devices (tongs, halos)						
3 Bone graft harvesting techniques						
4 Posterior spinal approaches						
5 Recognize and manage common post-operative complications and initiate treatment						
6 Performing a primary lumbar discectomy for relief of radicular symptoms/signs						
7 Performing a primary cervical, thoracic, lumbar laminectomy either for urgent or elective decompression of central or peripheral neurologic structures						
8 Performing a primary posterior instrumented lumbar fusion						
9 In closed reduction techniques and using external fixation devices (tongs, halos)						
B. COMMUNICATOR						
1 Maintain clear, accurate and organized patient records in both inpatient and outpatient settings						
2 Discuss the patient's beliefs, concerns, illness experience and specifically focus on the patient's expectations in terms of pain relief and improved function						
3 Include other relevant sources of information from the patient's family, caregivers and other professionals when appropriate						
4 Deliver information to a patient and family, colleagues and other professionals in a humane manner particularly as it relates to end-of-life discussions in spine metastases, spinal cord and/or complications post-spine surgery						
5 Encourage patients, families and relevant health professionals in shared decision making specifically as it relates to treatment						
6 Perform clear and succinct oral presentations						
7 The ability to obtain an appropriate informed consent for patients undergoing interventions						
C. COLLABORATOR						
1 Participate in an interdisciplinary spine team, demonstrating the ability to accept, consider and respect the opinions of the other team members, while contributing spine specific expertise						
2 Demonstrate an understanding of the role for complimentary and alternative forms of therapy						

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D. MANAGER						
1 Participate in systematic quality process evaluation and improvement such as patient safety initiatives, multidisciplinary spine rounds or morbidity/mortality rounds						
2 Learn time management for clinical activity, learning needs, family needs and recreational activities						
E. HEALTH ADVOCATE						
1 Have knowledge of population-based approaches to spine health care services and their implication for medical practice particularly focusing on topics such as industrial low back pain, epidemiology of spine trauma, ergonomic issues and spine injury prevention						
2 Demonstrate knowledge of public policy for spine health and identify current policies and preventative measures that affect spine health						
F. SCHOLAR						
1 Demonstrate critical appraisal of the literature as it applies to spine health and discuss how this might apply to clinical practice						
2 Demonstrate an understanding of effective teaching techniques						
G. PROFESSIONAL						
1 Fulfill medical, legal and professional obligations as they relate to spine pathology, particularly as it relates to occupational spine injuries and traumatic spinal injuries						
2 Meet deadlines and be punctual						
3 Demonstrate self-assessment, insight into limitations and accept feedback when necessary						

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: _____