

STAGE

FOUNDATIONS

EPA

EPA 5: Demonstrating the foundational aspects of surgical procedures

DETAILED DESCRIPTION

This EPA emphasizes the residents understanding and application of fundamental aspects of surgical procedures and their ability to perform effectively in a team environment during surgical procedures. The assessment is divided into two parts. The first part focuses on the resident's performance of foundational aspects of surgical procedures, including pre-procedural skills (prepping, draping, sterile technique, patient positioning), fundamental procedural tasks (effective use of common surgical instruments) and post-procedural documentation. The second part emphasizes effective participation as an operating team member, including understanding and respect for operating room protocols, active listening and effective communication amongst operating room personnel, and understanding and adherence to professional and ethical codes of conduct.

ENTRUSTMENT

The resident will be entrusted to:

Part 1

1. Perform pre-procedural tasks to prepare for a surgical procedure, including patient positioning, scrub, gown and glove, prepping and draping and maintenance of universal precautions and utilization of procedural safety checklists.
2. Utilize common surgical instruments in an effective, skillful and safe manner.
3. Manage breaches that occur in sterility or universal precautions.
4. Document and communicate operative procedure, findings and course.

Assessment Tools	Focus of Assessment						
	ME	CM	CL	L	HA	SC	PR
Direct Observation Procedural Skills	X	X					X
Supervisor Template							
Field Note							
Mini-CEX							
Multisource Feedback		X	X				X
Patient Feedback							
Peer Assessment							
Resident Teaching Rubric							
Chart Review							
Journal Club Rubric							
Observed History and Physical Rubric							
OSCE/Simulation							
Other:							
Oral Exam							
SAQ/MCQ Exam							
Shelf Quiz							
Other:							
Procedure Note Assessment							
Online Module							
Procedure Log							
Other:							

ASSESSMENT STRATEGY AND SAMPLING

Part 1: Foundational aspects of procedures

At least 4 direct observations of achievement are required and must include:

- At least 2 by faculty
 - At least 2 different types of procedures
 - At least 2 different assessors
1. Competence in pre-procedural skills (prepping, draping, sterile technique, patient positioning), fundamental procedural tasks (effective use of common surgical instruments) and post-procedural documentation will be assessed by: direct observation and documentation review

Part 2: Participating in a team

At least 6 observations of achievement are required and must include one surgeon, one nurse, and one anesthetist.

2. Competence in effectively participating as part of the OR team will be assessed by: multisource feedback

Relevant Milestones (Part 1) from RC

- 1 F ME 2.4.6 Apply appropriate prophylaxis
- 2 **F ME 3.4.1 Perform pre-procedural tasks in a timely, skillful, and safe manner**
 - Position the patient appropriately
 - Mark appropriate side/site
 - Prepare the operative site
 - Cleanse the operative site
 - Demonstrate appropriate draping of the patient
 - Deliver pre-procedural anesthesia if appropriate
- 3 **F ME 3.4.2 Perform procedural tasks in a timely, skillful, and safe manner:**

- Use common surgical instruments, including but not limited to needle drivers, retractors, forceps, clamps, electrocautery, scalpel, and scissors
- 4 F ME 3.4.5 Perform post-procedural tasks in a timely, skillful, and safe manner
 - Prepare and handle specimens for intra-operative consultation with a pathologist
 - Perform appropriate wound closure and dressing care
- 5 F ME 5.1.3 Demonstrate an understanding of the steps to take when there has been a break in universal precautions or sterility contamination
- 6 F ME 5.1.4 Position the patient with the intention to prevent complications due to positioning
- 7 F ME 5.2.1 Use cognitive aids such as procedural checklists, structured communication tools, or care paths, to enhance patient safety
- 8 F CM 5.1.1 Document information about patients and their medical conditions in a manner that enhances intra- and interprofessional care
- 9 F CM 5.1.4 Document operative procedures to adequately convey clinical findings, reasoning and the rationale for decisions
- 10 F CL 1.1.2 Respect established protocols of the operating room and team
- 11 F CL 2.1.1 Actively listen to and engage in interactions with collaborators
- 12 F SC 2.3.2 Demonstrate an understanding of the role of appropriate supervision
- 13 F PR 3.1.1 Fulfill and adhere to the professional and ethical codes, standards of practice, and laws governing practice
- 14 F PR 4.1.2 Manage the mental, physical and environmental challenges that impact behaviour and/or performance in the clinical setting

Relevant Milestones (Part 2) from RC

- 1 F CL 1.1.2 Respect established protocols of the operating room and team
- 2 D CL 1.1.1 Receive and appropriately respond to input from other health care professionals
- 3 F CL 2.1.1 Actively listen to and engage in interactions with collaborators
- 4 F CL 2.2.2 Communicate clearly and directly to promote understanding, manage differences, and resolve conflicts
- 5 F PR 3.1.1 Fulfill and adhere to the professional and ethical codes, standards of practice, and laws governing practice
- 6 F PR 4.1.2 Manage the mental, physical and environmental challenges that impact behaviour and/or performance in the clinical setting