

Entrustable Professional Activities for Surgical Foundations

2018
VERSION 1.0

Surgical Foundations: Transition to Discipline EPA #1

Performing the preoperative preparation of patients for basic surgical procedures

Key Features:

- This EPA includes verifying pertinent clinical findings and completing relevant clinical documentation, including orders

Assessment plan:

Indirect observation by supervisor

Use Form 1.

Collect 1 observation of achievement

Relevant milestones

- 1 TD ME 1.6.1** Identify clinical situations in which complexity, uncertainty, and ambiguity may play a role in decision-making
- 2 TD ME 2.1.1** Identify the concerns and goals of the patient and family for the encounter
- 3 TD ME 2.2.1 Elicit a history and perform a physical exam that informs the diagnosis**
- 4 TD ME 2.4.1 Develop an initial management plan for common patient presentations in surgical practice**
- 5 TD ME 3.2.1** Describe the ethical principles and legal process of obtaining and documenting informed consent
- 6 TD ME 3.3.1** Recognize and discuss the importance of the triaging and timing of a procedure or therapy
- 7 TD COM 1.1.1** Communicate using a patient-centred approach that facilitates patient trust and autonomy and is characterized by empathy, respect, and compassion
- 8 TD COM 1.2.1** Mitigate physical barriers to communication to optimize patient comfort, privacy, engagement, and safety
- 9 TD COM 2.1.1 Conduct a patient-centred interview, gathering all relevant biomedical and psychosocial information for any clinical presentation**
- 10 TD COM 2.1.2** Integrate and synthesize information about the patient's beliefs, values, preferences, context and expectations with biomedical and psychosocial information
- 11 TD COM 2.1.3** Identify and effectively explore issues to be addressed in a surgical patient encounter, including but not limited to the patient's context and preferences

- which include items to be addressed such as age, ethnicity, gender, family, and religious beliefs
- 12 **TD COM 2.2.1** Conduct a focused and efficient patient interview, managing the flow of the encounter while being attentive to the patient's cues and responses
 - 13 **TD COM 2.3.1** Seek and synthesize relevant information from other sources, including the patient's family, hospital records and other health care professionals, with the patient's consent
 - 14 **TD COM 5.1.1 Organize information in appropriate sections within an electronic or written medical record**
 - 15 **TD COM 5.1.2 Maintain accurate and up-to-date problem lists and medication lists**
 - 16 **TD COM 5.2.1** Demonstrate reflective listening, open-ended inquiry, empathy, and effective eye contact while using a written or electronic medical record
 - 17 **TD COL 1.3.1** Discuss with the patient and family any plan for involving other health care professionals, including other physicians, in the patient's care
 - 18 **TD COL 1.3.2 Describe the elements of a good consultation**
 - 19 **TD HA 1.2.1** Identify resources or agencies that address the health needs of patients

Surgical Foundations: Transition to Discipline EPA #2

Recognizing and initiating early management for critically ill surgical patients

Key Features:

- This EPA focuses on the initial approach to a critically ill patient; at this early stage of training, an important feature of this task is recognizing one's own limits and seeking assistance and/or handing over care to ensure safe patient management
- This EPA may be observed in simulation (e.g. OSCE)

Assessment plan:

Direct observation by supervisor and review of clinic note

Use Form 1. Form collects information on:

- Type of scenario: clinical; simulated

Collect 2 observations of achievement

Relevant milestones

- 1 TD ME 1.6.2 Recognize own limits and seek assistance when necessary**
- 2 TD ME 2.1.4 Perform initial resuscitation according to ACLS guidelines**
- 3 TD ME 2.2.1 Elicit a history and perform a physical exam that informs the diagnosis**
- 4 TD ME 2.2.2 Develop a differential diagnosis and adjust as new information is obtained**
- 5 TD ME 2.2.3 Select necessary initial investigations to assist in diagnosis and management**
- 6 TD ME 4.1.1 Identify the potential need for consultation**
- 7 TD COM 1.2.1 Mitigate physical barriers to communication to optimize patient comfort, privacy, engagement, and safety**
- 8 TD COM 2.3.1 Seek and synthesize relevant information from other sources, including the patient's family, hospital records and other health care professionals, with the patient's consent**
- 9 TD COL 1.1.1 Receive and appropriately respond to input from other health care professionals**
- 10 TD COL 2.2.1 Communicate effectively with other physicians and health care professionals**
- 11 TD COL 3.2.4 Perform safe and effective handover during transitions in care**
- 12 TD S 1.1.2 Recognize the duality of being a learner as well as a practitioner**
- 13 TD P 1.1.1 Consistently prioritize the needs of patients and others to ensure a patient's legitimate needs are met**

Surgical Foundations: Transition to Discipline EPA #3

Documenting clinical encounters

Key Features:

- This EPA focuses on the synthesis and documentation of relevant medical and surgical information while ensuring professional behaviour in the use of electronic medical records and/or other technologies

Assessment plan:

Direct or indirect observation by supervisor with review of clinical documentation

Use Form 1. Form collects information on:

- Type of setting: inpatient; outpatient

Collect 2 observations of achievement

- At least 1 inpatient
- At least 1 outpatient

Relevant milestones

- 1 **TD COM 2.3.1** Seek and synthesize relevant information from other sources, including the patient's family, hospital records and other health care professionals, with the patient's consent
- 2 **TD COM 5.1.1 Organize information in appropriate sections within an electronic or written medical record**
- 3 **TD COM 5.1.2** Maintain accurate and up-to-date problem lists and medication lists
- 4 **TD COM 5.1.3 Document an initial management plan for common patient presentations in surgical practice**
- 5 **TD COM 5.2.2 Demonstrate an understanding of the risk of breaching patient confidentiality as a result of the use of new technologies such as telehealth, and internet or digital storage and transmission devices**
- 6 **TD COL 3.2.3** Communicate with the receiving physicians or health care professionals during transitions in care
- 7 **TD L 1.4.1 Utilize the data available in health information systems in their discipline to optimize patient care**
- 8 **TD P 1.1.3 Complete assigned responsibilities**
- 9 **TD P 1.5.1** Describe the risks of technology enabled communication in surgical practice including but not limited to social media

Surgical Foundations: Transition to Discipline EPA #4

Demonstrating handover technique

Key Features:

- This EPA focuses on the transitions of care that occur between residents and/or at times of patient transfer to another health care setting or location.
- Key aspects of this task include accurate and effective communication as well as professionalism in the use of medical information technology and/or social media

Assessment plan:

Direct observation by supervisor

Use Form 1.

Collect 2 observations of achievement

Relevant milestones

- 1 TD ME 2.1.2 Identify patients at risk for sudden deterioration in clinical status requiring closer follow-up**
- 2 TD COL 1.3.1 Discuss with the patient and family any plan for involving other health care professionals, including other physicians, in the patient's care**
- 3 TD COL 3.2.1 Describe specific information required for safe handover during transitions in care**
- 4 TD COL 3.2.2 Acknowledge that incomplete or inaccurate handover can result in suboptimal patient care, if not harm**
- 5 TD COL 3.2.3 Communicate with the receiving physicians or health care professionals during transitions in care**
- 6 TD COL 3.2.4 Perform safe and effective handover during transitions in care**
- 7 TD L 4.3.2 Demonstrate an understanding of the appropriate use of information technology to enhance surgical practice**
- 8 TD P 1.5.1 Describe the risks of technology enabled communication in surgical practice including but not limited to social media**

Surgical Foundations: Transition to Discipline EPA #5

Demonstrating ability to function in the operating room

Key Features:

- This EPA focuses on the safe and timely preparation for a surgical procedure including maintenance of sterility, universal precautions, handling of sharps and understanding occupational risks and hazards
- This EPA may be observed in simulation

Assessment plan:

Supervisor or delegate does assessment based on direct observation

Use Form 1. Form collects information on:

- Type of scenario: clinical; simulation

Collect 1 observation of achievement

Relevant milestones

- 1 TD ME 3.4.1 Demonstrate effective procedure preparation, including the use of a pre-procedure time-out or surgical safety checklist as appropriate**
- 2 TD ME 3.4.3 Perform pre-procedural tasks in a timely, skillful, and safe manner**
 - **Establish and maintain a sterile field**
 - **Maintain universal precautions**
 - **Ensure safe handling of sharps**
 - **Hand-cleanse, gown and glove**
- 3 TD COL 1.2.2 Discuss the roles and responsibilities of all participants in the operating room**
- 4 TD P 4.1.4 Demonstrate an understanding of occupational risks and their management**

Surgical Foundations: Transition to Discipline EPA #6

Repairing simple skin incisions/lacerations

Key Features:

- This EPA may be observed in simulation

Assessment plan:

Direct observation by supervisor

Use Form 1. Form collects information on:

- Type of scenario: clinical; simulation
- Wound size: < 2 cm, 2-5 cm, >5 cm

Collect 1 observation of achievement

- Wound must be at least 5 cm long

Relevant milestones

- 1 TD ME 2.4.2 Use appropriate prophylaxis**
- 2 TD ME 3.2.2 Obtain and document informed consent for simple wound closure**
- 3 TD ME 3.4.4 Perform pre-procedural tasks for a simple wound closure**
 - **Apply aseptic technique**
 - **Gather and manage the availability of appropriate instruments and materials for minor procedures**
 - **Obtain appropriate assistance**
 - **Position the patient appropriately**
 - **Prepare the operative site**
 - **Hand-cleanse, gown and glove**
 - **Demonstrate appropriate draping of the patient**
 - **Deliver pre-procedural local anesthesia if appropriate**
- 4 TD ME 3.4.5 Perform procedural tasks in a timely, skillful and safe manner**
 - **Use common surgical instruments, including but not limited to needle drivers, retractors, forceps, clamps, and scissors**
 - **Select and use suture materials**
 - **Assess the quality of the closure**
- 5 TD COM 3.1.4 Plan and discuss appropriate postoperative care and issues with patients and families**

Surgical Foundations: Transition to Discipline EPA #7

Managing tubes, drains and central lines

Key Features:

- This EPA may be observed in any clinical or simulated scenario related to tubes and drains (nasogastric, Jackson-Pratt or similar, chest tubes, feeding tubes, foley catheter, central venous catheter) (e.g. blocked, accidentally removed etc.)

Assessment plan:

Indirect observation by supervisor

Use Form 1.

Collect 1 observation of achievement

Relevant milestones

- 1 TD ME 1.3.1 Apply knowledge of the different tubes, drains and lines used in the care of the surgical patient, the indications for their use and the risks associated with them**
- 2 TD ME 2.4.3** Develop a management plan for common presentations related to tubes, drains and lines
- 3 TD ME 3.3.2 Determine the priority with which various problems with in-situ tubes, drains and lines require intervention**
- 4 TD ME 3.4.6 Perform common procedures in a skillful, fluid and safe manner**
 - **unblock tubes and/or drains**
- 5 TD COM 3.1.2** Communicate the plan of care in a clear, compassionate, respectful, and accurate manner to the patient and family
- 6 TD COL 2.1.2 Respond to nursing requests and concerns in a respectful and timely manner**
- 7 TD P 1.1.1** Consistently prioritize the needs of patients and others to ensure a patient's legitimate needs are met