

Psychiatry: Core EPA # 7

Integrating the principles and skills of neurostimulation into patient care

Key Features:

- This EPA focuses on the application of neurostimulation modalities in the management of adult and older adult patients.
- This includes determining appropriateness of the intervention for the clinical scenario; identifying contraindications, risks, and benefits; completing pre-procedure workup; delivering ECT; managing and interpreting electroencephalography (EEG) as a part of ECT; providing follow-up care; and managing short and long term complications.
- This EPA also includes communicating with the patient and family about the procedure to guide consent, and dealing with stigma or cultural resistance related to acceptance of the proposed procedure.
- The observation of this EPA is divided into two parts: suitability for neurostimulation; delivery of neurostimulation.

Assessment plan:

Part A: Suitability for neurostimulation

Direct and indirect observation by psychiatrist

Use form 1. Form collects information on:

- Setting: inpatient unit; outpatient; simulation
- Demographic: adult; older adults
- Case type (write-in):
- Modality: ECT; rTMS; other evidence-based form of neurostimulation

Collect 3 observations of achievement

- At least 1 of each demographic
- At least 2 observations must be for ECT

Part B: Delivery of neurostimulation

Direct observation by psychiatrist or neurostimulation provider

Use form 1. Form collects information on:

- Demographic: adult; older adults
- Case type (write-in):
- Modality: ECT; rTMS; other evidence-based form of neurostimulation

Collect 3 observations of achievement

- At least 2 observations must be for ECT

Relevant Milestones:

Part A: Suitability for neurostimulation

- 1 **ME 2.4** Develop and implement management plans that consider all of the patient's health problems and context
- 2 **ME 2.2** Assess a patient's suitability to proceed with neurostimulation
- 3 **ME 3.2** Describe the indications, contraindications, risks, and alternatives for neurostimulation
- 4 **COM 3.1** Provide information clearly and compassionately, checking for patient/family understanding
- 5 **COM 4.3** Answer questions from the patient and/or family
- 6 **COM 4.3** Use communication skills and strategies that help the patient make an informed decision
- 7 **ME 3.2** Use shared decision-making in the consent process
- 8 **ME 3.2** Obtain and document informed consent
- 9 **ME 2.4** Anticipate peri-procedural issues and complications, and incorporate these considerations in the management plan
- 10 **HA 1.2** Work with patients and their families to decrease stigma regarding neurostimulation treatments

Part B: Delivery of neurostimulation

- 1 **ME 2.2** Assess a patient's suitability to proceed with neurostimulation
- 2 **ME 3.2** Describe the indications, contraindications, risks, and alternatives for neurostimulation
- 3 **ME 3.2** Obtain and document informed consent
- 4 **ME 3.4** Prepare and position the patient for the neurostimulation procedure
- 5 **ME 3.4** Administer sedation and apply monitoring equipment to optimize patient safety and comfort
- 6 **ME 3.4** Apply neurostimulation using appropriate techniques
- 7 **COL 1.2** Communicate effectively with nurses and/or assistants during the procedure
- 8 **ME 3.4** Document the encounter to adequately convey the procedure and outcome(s)
- 9 **ME 3.4** Establish and implement a plan for post-procedure care