

Appendix 3. Example of an EPA with milestones.

Orthopedic Surgery: Core EPA #14:

Using an intramedullary nail to provide definitive surgical management for patients with simple and/or complex diaphyseal and meta-diaphyseal fractures.

Key Features:

The technical aspects of this procedure include surgical approach and exposure; fracture reduction, including use of adjuncts, as necessary; safe use and interpretation of fluoroscopy; insertion of guide wire(s); reaming; internal fixation, using nails, screws, plate and/or K-wires as applicable; and appropriate soft tissue management, including open fractures.

Assessment Plan:

Direct observation by orthopedic surgeon, fellow, or TTP resident

Use form that collects information on:

- Site: femur; tibia
- Complexity: simple; complex

Collect up to 4 observations of achievement:

- At least 2 femur
- At least 2 tibia
- At least 1 complex case

Relevant Milestones:

1 Medical Expert 3.1 Pre-operative plan: Assess clinical information to determine/confirm diagnosis and appropriateness of procedure

2 Medical Expert 3.4 Case preparation: Position patient correctly, understand approach and required instruments, be prepared to deal with probable complications

3 Medical Expert 1.4 Knowledge of procedure: Understand steps, potential risks, and the means to overcome them

4 Medical Expert 3.4 Technical performance: Perform steps of procedure efficiently, avoiding pitfalls and respecting soft tissues

- Surgical approach and exposure
- Fracture reduction, including use of adjuncts, as necessary
- Safe use and interpretation of fluoroscopy
- Insertion of guide wire(s)

- Reaming
- Internal fixation, using nails, screws, plate and/or K-wires as applicable
- Appropriate soft tissue management including open fractures

5 Medical Expert 3.4 Visuospatial skills: Demonstrate 3D spatial orientation, position instruments/hardware where intended

6 Medical Expert 3.4 Post-procedure plan: Establish an appropriate complete post procedure plan

7 Medical Expert 3.4 Efficiency and flow: Demonstrate planned course of procedure, economy of movement and flow

8 Collaborator 1.2 Professional and effective communication/utilization of assistants and OR team

9 Communicator 3.1 Provide information about the procedure, operative findings and patient status to the family in a clear, accurate and timely manner

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