

4-Box Practical Approach

Preprocedure Evaluation

- Physical examination, diagnostic tests, and functional assessment
- Significant comorbidities
- Existing support system
- Patient preferences and expectations

Management Plan

- Outcomes assessment
- Follow-up tests, visits, and procedures
- Referrals for care
- Quality improvement

Strategy

- Indications, contraindications, and possible outcomes
- Operator and team experience
- Risk-benefit analysis and therapeutic alternatives
- Informed Consent

Techniques and Results

- Anesthesia & perioperative care
- Techniques & Instrumentation
- Procedural risks and anatomic dangers
- Expected results and possible adverse events/complications

Using the 4-Box Approach:

- Learners improve clinical judgement and depth of knowledge in accordance with American graduate Medical Education (ACGME) guidelines*.
- Learners achieve knowledge competency in strategy and planning, execution, and response to procedure-related adverse events/complications.
- Learners gain cognitive, technical, affective, and experiential knowledge in a patient/family-focused-care environment.
- Learners learn to gather accurate information about their patients.
- Learners learn to communicate with patients, families, and other health care professionals..
- Depth of knowledge and decision-making skills are assessed by asking learners to justify management decisions using clinical data, scientific evidence (literature), information technology, and experience.
- The 4-Box Approach complies with ACGME professionalism competency guidelines by addressing ethics, informed consent, and outcomes based on all possible results.

*ACGME Competencies at <https://www.acgme.org/>

