

## Evidence-Based Medicine Practicum

This practicum is designed to give you “hands on” experience in the process of EBM with mentor supervision. Specifically, you will carry out the first four processes of EBM:

- I. *Ask a question:* Based on a patient encounter, and with your mentor’s guidance, choose a focused and answerable clinical question.
- II. *Acquire the evidence:* With the help of a reference librarian or faculty member (as needed), perform a literature search designed to answer your question with the “best” available evidence.
- III. *Appraise the evidence:* Use the JAMA series “User’s Guide to the Medical Literature” to critically evaluate the article(s) that resulted from your search, with specific focus on the following:
  - a. Statement of purpose
  - b. Sample (with particular attention to inclusion and exclusion criteria)
  - c. Methods (with particular attention to the appropriateness of design, data collection, and statistical analyses)
  - d. Description of results
  - e. Appropriateness of conclusions based on data
- IV. *Apply the evidence* to your individual patient.

Once this process is complete, the results should be presented to your peers at a noon conference. Please make an effort to clarify EBM terms (e.g. RCT, cohort study, case-control study, relative risk, odds ratio, number needed to treat, maximum likelihood ratio, etc.)

### Evidence-Based Medicine Practicum Evaluation

Criterion	Level of Competence		
	Below Standards	Meets Standards	Exceeds Standards
1. Asking a clinical question	<input type="checkbox"/> Question vague and/or unanswerable	<input type="checkbox"/> Question clear and answerable	
2. Acquiring the evidence	<input type="checkbox"/> A better article could have been chosen to address the question	<input type="checkbox"/> Based on availability in the literature the chosen article effectively addresses the clinical question	
3. Appraising the evidence	<input type="checkbox"/> Misinterprets the major findings	<input type="checkbox"/> Interprets the major findings properly but misses the subtleties	<input type="checkbox"/> Correctly interprets both major findings and subtleties in the evidence
4. Applying the evidence to the care of one’s patient	<input type="checkbox"/> Incorrectly applies the evidence to the patient	<input type="checkbox"/> Correctly applies the evidence to the patient	

#### Criteria for Overall Assessment:

**Below Standards:** Two or more criteria with a *below standards* rating results in an overall evaluation of *below standards* and requires repeat of the exercise.

**Meets Standards:** Learner must receive a *meets standards* for at least 3 of the 4 criteria, including appraising the information.

**Exceeds Standards:** Learner must receive a *meets standards* in asking a clinical question, acquiring the information, and applying the information, and an *exceeds standards* in appraising the evidence.

**Overall assessment:**  Below Standards  Meets Standards  Exceeds Standards

Resident: \_\_\_\_\_ Evaluator: \_\_\_\_\_