

## **Web Based Curriculum to Teach Evidence Based Medicine to Residents**

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**Learner audience:** *Anesthesia Residents, Surgical Residents, Internal Medicine Residents and Emergency Medicine Residents*

**Needs Assessment:** A questionnaire was sent out to faculty in the Department of Anesthesia assessing the need for such a curriculum for residents and faculty within the department.

**Curriculum:** 60 staff members in the Department of Anesthesia and Critical Care were sent the questionnaire. 45 responded. Of these, 30 felt there was a need for residents to have a curriculum in evidence based medicine.

The curriculum will consist of a pretest with 8 questions that will test the baseline knowledge of the residents taking the test. Subsequent to this the residents will participate in a web based curriculum to teach residents evidence based medicine. These will be divided into different modules to address the different key concepts in evidence based medicine which are

- 1.The ability to find, appraise, and incorporate evidence into practice
- 2.The ability to take into account the patient's personal preferences
- 3.The ability to understand risks and benefits in terms of a particular patient

There are five steps to the process:

1. Forming an answerable question
2. Finding the evidence
3. Appraising the evidence
4. Applying the evidence
5. Evaluating performance

At the end of the module completion, the residents will be able to understand evidence based medicine, improve PubMed searching skills, learn about other databases and apply these skills to clinical practice.

**Impact:** There will a web based method to track successful completion of the module.

Residents will also take a post test which will entail the same questions. An improvement in score will be documented after successful completion of the module.

The module will contain papers in different subspecialties ie internal medicine, emergency medicine, general surgery and anesthesiology. Thus the module will be useful across the board of different subspecialties.