

Internal medicine residency program evidence-based medicine and biostatistics elective.

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Dr. Beasley requested the creation of this elective, which had been presented prior to this time in a less formalized fashion. This elective was presented to and approved by the Internal Medicine Residency Committee December 20, 2005.

This elective should retain some flexibility so that it can be tailored to a specific resident's aims after approval by the course faculty. With that in mind the resident (at a minimum):

- must be in good standing within the residency program
- must plan the elective (and have it approved by the residency program director) well in advance in accordance with residency elective guidelines under the guidance of the EBM course faculty.
- must gain the advance approval of the course faculty regarding the rotation's availability for a given month
- must submit several specific objectives for the rotation in advance and have them approved by the EBM course faculty
- must plan on meeting for at least two hours per week with the rotation faculty
- must be prepared in advance for the faculty-resident meetings, which will require several hours of thoughtful reading prior to each meeting. The resident must constructively contribute to these meetings.
- will be evaluated by the course faculty on an evaluation form developed for this rotation on a 1-9 scale
- must read the users guide to the medical literature series cited below
- must fill out an evaluation for the course and faculty at the end of rotation
- must attend the SOM journal club during the month of the rotation
- must use information gained to present an evidence-based morning report
- must demonstrate acquisition and application of relevant EBM tools and techniques
- must pass an exam at the end of this rotation written to cover material discussed during the elective.
- should consider requesting entrance to the MDM course offered each fall and taking it for credit.

Set Reading Assignments (other assigned readings will be dependent upon the resident's chosen topics)

1. Oxman AD, Sackett DL, Guyatt GH. Users' guides to the medical literature. I. How to get started. The Evidence-Based Medicine Working Group. [JAMA](#). 1993;270:2093-5.
2. Guyatt GH, Sackett DL, Cook DJ. Users' guides to the medical literature. II. How to use an article about therapy or prevention. A. Are the results of the study valid? Evidence-Based Medicine Working Group. [JAMA](#). 1993;270:2598-601 and 270:2093-5

3. Guyatt GH, Sackett DL, Cook DJ. Users' guides to the medical literature. II. How to use an article about therapy or prevention. B. What were the results and will they help me in caring for my patients? Evidence-Based Medicine Working Group. *JAMA*. 1994;271:59-63.
4. Jaeschke R, Guyatt G, Sackett DL. Users' guides to the medical literature. III. How to use an article about a diagnostic test. A. Are the results of the study valid? Evidence-Based Medicine Working Group. *JAMA*. 1994;271:389-91.
5. Jaeschke R, Guyatt GH, Sackett DL. Users' guides to the medical literature. III. How to use an article about a diagnostic test. B. What are the results and will they help me in caring for my patients? The Evidence-Based Medicine Working Group. *JAMA*. 1994;271:703-7.

Other references:

Selected handouts and slides from the UMKC School of Medicine Medical Decision Making course for medical students, fellows, residents, and faculty as indicated.

Centre for evidence based medicine (last accessed 12/08/05). <http://www.cebm.utoronto.ca/>

Straus SE, et al. Evidence-based medicine. 3rd ed. Churchill Livingstone, New York. 2005.