



Evidence-Based Medicine: How Clinical teachers Can Help Learners Acquire EBM Skills

A Workshop for South Pointe Physicians

**CORE/OUCOM Office of
Faculty Development**

Agenda

- ★ **Welcome and Introductions**
- ★ **EBM: Definitions**
- ★ **EBM: Steps**
- ★ **EBM: Status**
- ★ **EBM: Web Sites**
- ★ **EBM: Application**
 - **Morning Report**
 - **Journal Club**
 - **Noon Lecture**
 - **Teaching Rounds**
- ★ **Evaluation**



Evidence-Based Medicine: Definition

- ★ **Conscientious, explicit, and judicious use of current best evidence in making decisions about the care of individual patients.**

(Sackett, DL et al Evidence-based medicine: what it is and what it isn't, BMJ 1996)

Evidence-Based Medicine: Other Definitions

- ★ **Is an approach to practice and teaching that integrates pathophysiological rationale, caregiver experience, and patient preferences with valid and current clinical research evidence.**

(Ellrodt, G. Evidence-based disease management, JAMA 1997, 278(20))



Evidence-Based Medicine: Other Definitions

- ★ **Stresses to the trainee the importance of the evaluation of evidence from clinical research and cautions against the use of intuition, unsystematic clinical experience, and untested pathophysiologic reasoning as sufficient for medical decision making.**
(Chessare, JB. Pediatrics 1998, 101(4 pt 2))



Evidence-Based Medicine: Steps

- ✦ **Formulate a clear clinical question from a patient's problem.**
- ✦ **Search the literature for relevant clinical articles.**
- ✦ **Evaluate the evidence for validity and usefulness.**
- ✦ **Implement the useful findings in clinical practice.**

Evidence-Based Medicine: Status

- ★ **What are things you do that incorporate Evidence-Based Medicine:**
 - ★ In your practice?
 - ★ In your teaching?
- ★ **What are things you would like to do to incorporate EBM:**
 - ★ In your practice?
 - ★ In your teaching?



Evidence-Based Medicine: Recommended Web Site

- ★ <http://www.shef.ac.uk/uni/academic/R-Z/scharr/ir/netting.html>

Evidence-Based Medicine: Other Web Sites

- ✦ **Family Practice Journal Club OnLine (POEMs)**
<http://jfp.msu.edu/>
- ✦ **The Cochrane Collaboration**
<http://hiru.mcmaster.ca/cochrane/default.htm>
- ✦ **The Center for Evidence-Based Medicine**
<http://cebm.jr2.ox.ac.uk>
- ✦ **McMaster's EBM** <http://hiru.mcmaster.ca/ebm>
- ✦ **Agency for Health Care Policy and Research**
<http://www.ahcpr.gov/>



Evidence-Based Medicine: Applications

- ✦ **Morning Report**
- ✦ **Journal Club**
- ✦ **Teaching Rounds**
- ✦ **Noon Lecture**
- ✦ **Others**