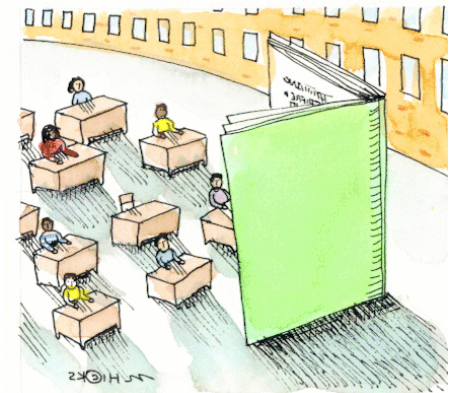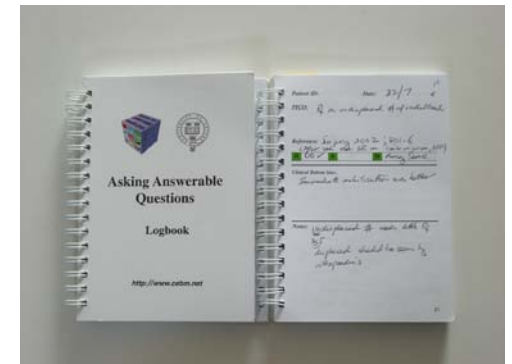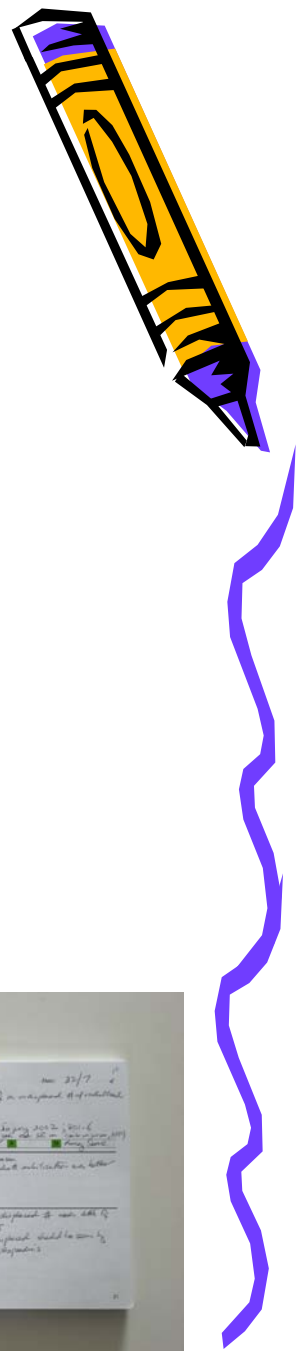# Teaching Tools

- Folk
  - Paul Glasziou, Piersante Sestini, Dirk Ubbink, Fatma Abdel-Rahman, ...

- Structure
  - Question asking; Searching; Appraisal; Application; General
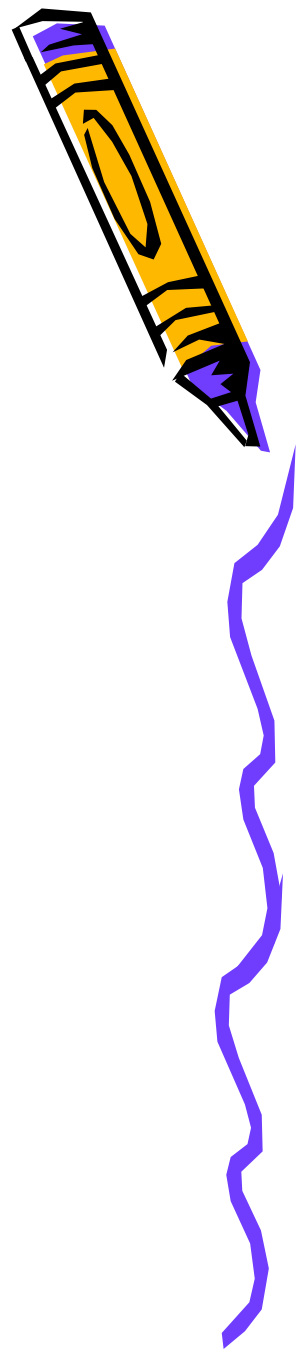
Asking questions

- Patient triggered
  - Logbooks (paper; electronic)
  - Education prescriptions
  - Whiteboards
    - Morning report questions to whiteboard
    - Students take one each to answer
- (Paper) Case triggered
- Information triggered
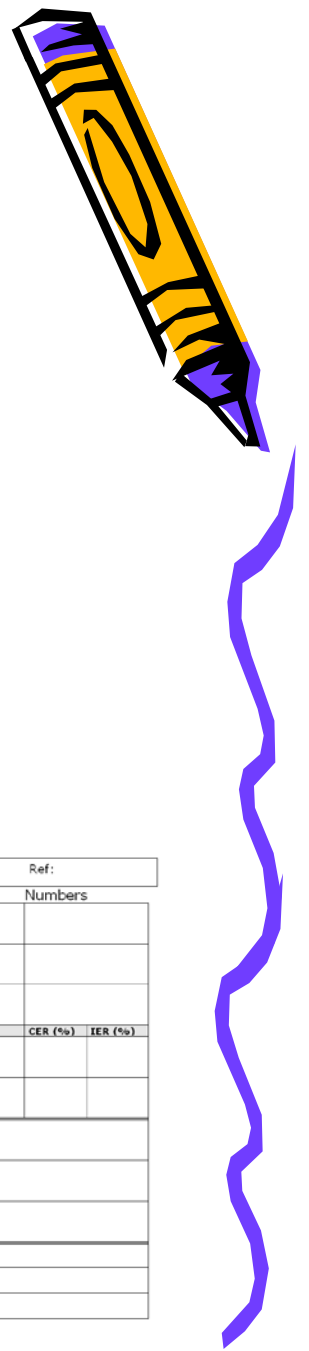 - News article; new guideline; etc

Searching

- Initial training
  - PICO engine (EviDents)
  - PubMed
    - Clinical queries filters
    - Single citation matcher
- List of other Websites
  - Cochrane, TRIP, Clinical Evidence, BMJUpdates, UpToDate, …
  - Get students to compare resources

Critical Appraisal

- "Anatomy" of research article
  - IMRD (Introduction, Methods, Results, Discussion)
- Checklists
  - JAMA User Guides
  - CASP
  - GATE
- Reporting standards - EQUATOR
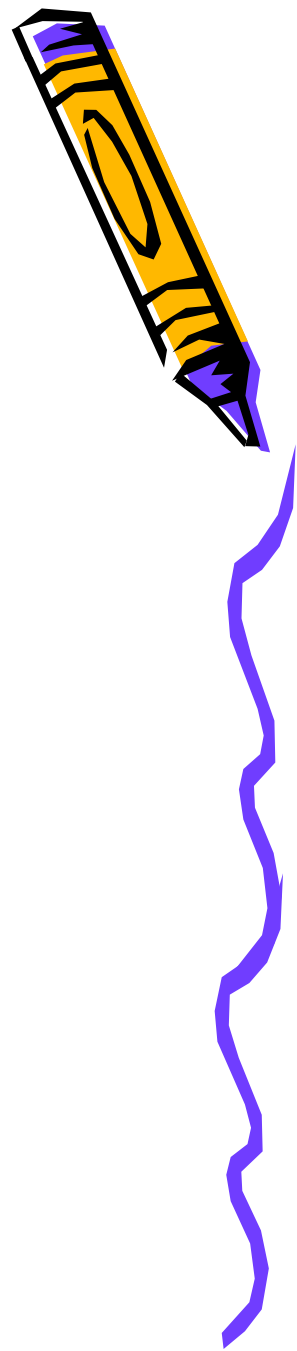 - CONSORT, STARD, QUOROM, MOOSE
- Question-Study matching cards

Author:		Ref:	
	Description	Numbers	
Patients			
Intervention			
Comparator			
		CER (%)	IER (%)
Outcomes	1		
	2		
Randomized			
Ascertainment			
Measures			
RD ifference	CER – EER		
RRR	RD/CER		
NNT	1/RD		

Clinical Bottom-line:

Further Actions:
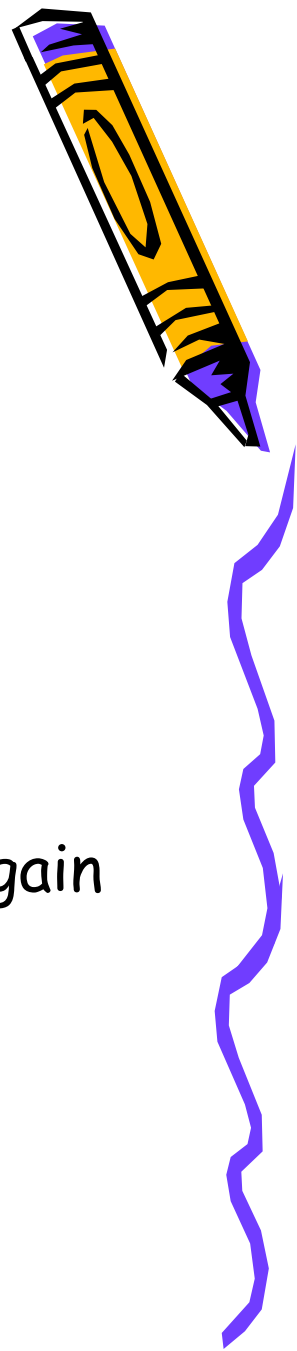
Results and Application

- Paper guides to 2x2 table calculations
  - RRR, ARR, NNT, LR, PPV, acronymitis, ..
- Online calculators (give CIs as well)
  - CATmaker
  - EPiQ spreadsheets
  - Etc
- Short articles on topics
  - SWOTs corner (Bandolier); Statistics Notes (EBM journal); User Guide for Teachers; CMAJ series on teaching tips
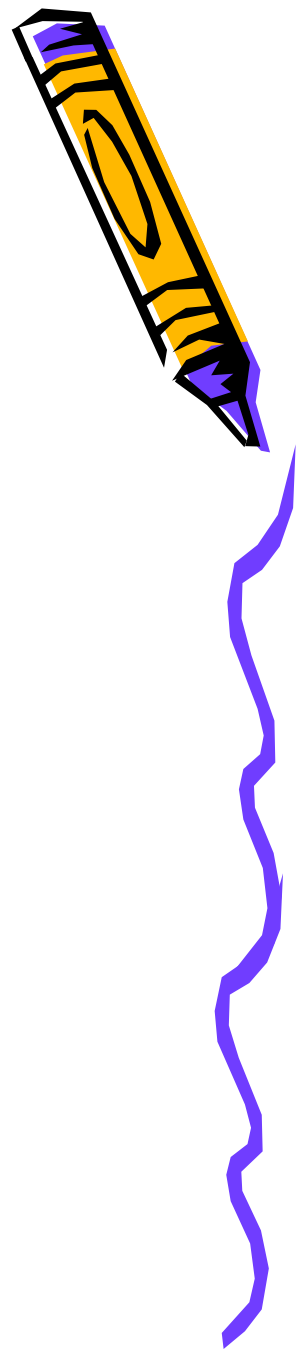
Generic tools

- Electronic Peer marking of Critically Appraised Topics
- Feedback methods
  - 1-minute feedback
  - Most important thing from yesterday?
  - Sackett's swap: Q&A: write; swap & swap again
- Online tutorials
  - CASP CD; Leonardo;

Plans

- "Tools" document compiled
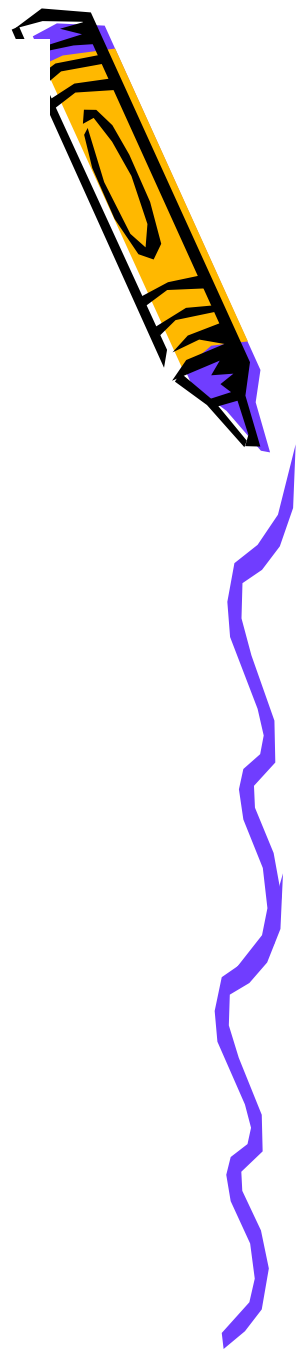- Send around to all attendees
- Publish
- Update on CEBM website

2. Teaching Tools

Name: _____ TOPIC: _____

1. The patient & clinical question

2. Search strategy

3. The study – Question (PICO) and Appraisal (RAMbo)

5. What are the results?

6. How do the results apply

Group Appraisal Sheets   Question Logbooks