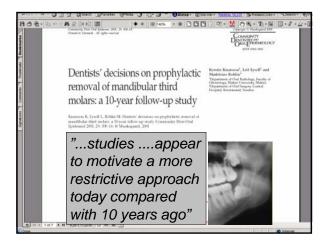


## However...

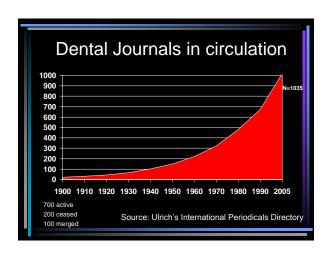
Our responsibilities as educators is also to generate an ambition of life long learning and prepare them accordingly

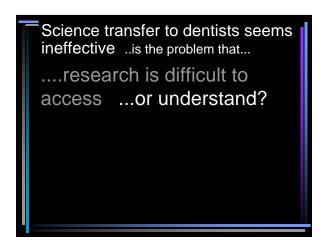
Do we today prepare our future colleagues to change behavior, attitude and methods in the lights of new knowledge?

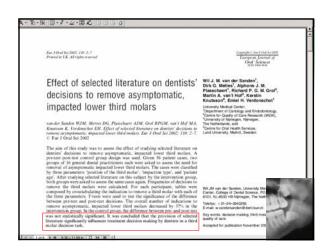
How quickly do dentists change in accordance with new research?
Impacted wisdom teeth?
TMD management?
Restoration replacement needs?
Caries and remineralization potential
....
Science transfer to dentists seems to be ineffective



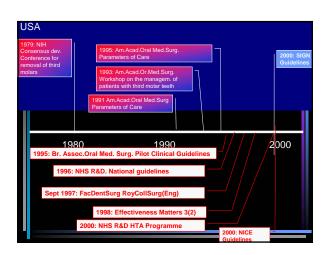
Science transfer to dentists seems ineffective ..is the problem that...
...research is difficult to access?















..is the problem that...

....research is difficult to access or understand?
... clinical guidelines ..are they bad or inappropriate?

Are the practicing dental professionals non-receptive?

.... if so, who is responsible? ....and can something be done?

- A fundament for life long learning is to possess skills in critical appraisal
- Critical appraisal of research must be an integral component of student training
- Curriculums should progress from being PBL- to become EBD-based

All dental students should conduct at least one systematic review according to a PICO question because... ... conduct at least one systematic review because... The student will 1. Identify differences in conclusions of studies and possibly grasp why ... conduct at least one systematic review because... The student will 1. Identify differences in conclusions of studies and possibly grasp why 2. Recognize the state of current oral health research

## ... conduct at least one systematic review because... The student will 1. Identify differences in conclusions of studies and possibly grasp why

- 2. Recognize the state of current oral health research
- 3. Identify opportunities for research



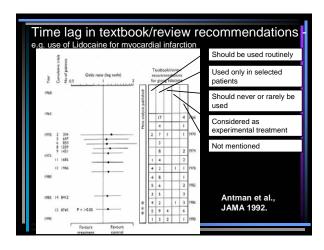
... conduct at least one systematic review because...

## The student will

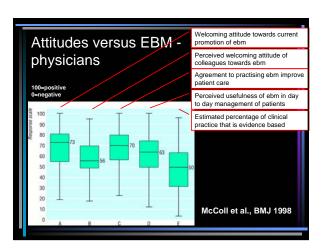
- Identify differences in conclusions of studies and possibly grasp why
- 2. Recognize the state of current oral health research
- 3. Identify opportunities for research
- Train to recognize potential bias caused by poorly executed research or due to inadequate reporting

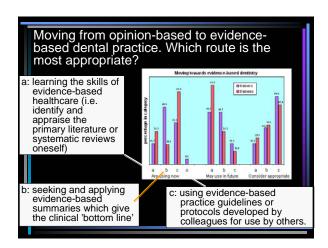


From research to practice -	
Steps Creating evidence Basic science research RCTs Observational studies Summarizing evidence EPCs Published meta-analyses Cochrane collaborators Others Disseminating evidence Clinical practice guidelines	Obstacles Paucity of clinical trials Underfunding of research Lack of trained clinical investigators Frequency of small underpowered studies Heterogeneity of studies Inconsistency between meta-analyses and large RCTs Lack of awareness of existing efforts Access to evidence
Continuing medical education Publications Cochrane database Implementing evidence Clinical pathways Computer decision support systems Automated MEDLINE searches Academic detailing Audit and feedback	Format not helpful Labor-intensive Expensive Waning effectiveness  EPCs, Evidence-based practice centers  ECL, randomized controlled trials

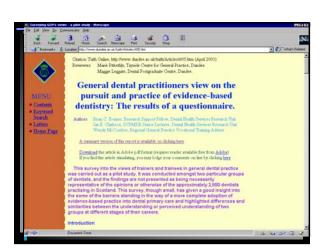


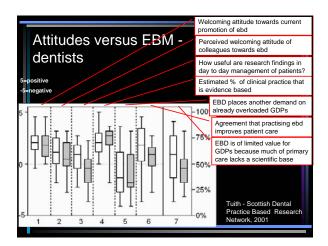












Information
is not synonymous
to knowledge
and even less so to
clinical competence