



## The Wits Evidence-Based Collaboration for Oral Health

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### First South African Workshop on Evidence-based Oral Health Care

#### Programme

##### Day 1

08h00 *Registration, coffee, tea.*

**Session 1: Objective:** Identify clinical issues where assessment of the available evidence is lacking, but necessary.

08h30 Welcome  
Introductions  
Aims and objectives  
Structure of the workshop  
WEBCOH's expectations  
Group compositions

09h00 *Group work:*

- Your expectations
- What are the current and predominant teaching and learning methods at your institution?
- What are the most pressing oral health problems in SA?
- What are the most pressing needs for systematic reviews in SA?
- What are the most pressing needs for clinical guidelines in SA?
- What are the obstacles for implementing evidence-based dentistry?

10h00 *Tea*

**Session 2: Objectives:**

- Understand the ideas and principles of evidence-based practice.
- Build and/or enhance participants' skills to develop, implement and disseminate an evidence-based care approach for dentistry.

10h30 *Plenary*

- Report backs from the groups, and discussion
- *Inputs:*
  - What is evidence-based medicine and dentistry?
  - What are the principles of evidence-based medicine and dentistry in general?
  - What are the principles and structure of randomised clinical trials, clinical trials, and systematic reviews?

12h30 *Lunch*

13h30 *Plenary*

*Inputs:*

- How to frame meaningful questions that can be answered by literature searching.

15h00 *Tea*

**Session 3: Objective:** Why do you teach and do what you do?

15h30 *Group work:*

- Discuss inputs
- What teaching and learning methods reflect the principles of evidence-based education and training?
- Chose two clinical disciplines and one subject or component of those and describe the clinical practice currently taught, and give the rationale for that. Do more if you have time!
- Chose three topics for a literature search

17h00 Complete day's evaluation forms and *relax!*  
Coordinators meeting

19h00 *Dinner* for those staying at the hotel

## Day 2

08h00 *Coffee, tea.*

**Session 1: Objectives:** Know how to find the best available evidence to answer a research question.

08h30 *Inputs:*

- Where is the evidence?
- How to find the best available evidence to answer a research question.
- How to search for evidence – Cochrane database, Medline, others.

09h30 *Group work:*

- Develop a search strategy for one of the topics chosen the previous day

10h00 *Tea*

10h30 *Group work:*

- Develop search strategies for the remaining topics

- Session 2: Objectives:**
- Know how to critically appraise a paper for the worth of the evidence presented.
  - Know how to validate the best available evidence to answer a research question.

11h15 *Plenary:*

- Report backs from the groups, and discussion

11h45 *Inputs:*

- How to critically appraise clinical trials and their interpretation to answer a research question.
- Critical Appraisal Skills - How to read a paper.
- Randomised clinical trials re-visited – do they exist in dentistry?

12h30 *Lunch*

13h30 *Inputs:*

- What is a systematic review and what's so special about it?
- What is Meta-analysis and does it work?
- How can evidence be evaluated, synthesised and interpreted?

15h00 *Tea*

15h30 *Group work:*

- Appraisal of the papers on treatment and prognosis

17h00 *Complete day's evaluation forms and relax!*  
Coordinators meeting

18h30 *Braai for **all** participants*

### Day 3

08h00 *Coffee, tea.*

#### **Session 1: Continuation** of Day 2 Session 2 Objectives

08h30 *Plenary:*

- Report backs on appraisal results

- Session 2: Objectives:**
- Know how to apply the best available evidence to answer a research question.
  - Know how to develop clinical guidelines from scientific evidence.

09h30 *Input:*

- How to implement scientific evidence in guidelines that address clinical questions.

- 10h00 *Tea*
- 10h30 *Input.*
- AGREE instrument
- 11h00 *Group work:*
- Appraisal of papers on clinical practice guidelines, harm, and diagnosis
- 12h30 *Lunch*
- 13h30 *Plenary:*
- Report backs on appraisal results

**Session 3: Objective:** Understand how teaching methods can improve by adopting an evidence-based approach to undergraduate and post-graduate education and training.

- 14h00 *Plenary discussions:*
- How can we develop good methods of disseminating quality evidence?
  - Can we use evidence-based practice to develop cohesive research strategies?
  - What strategies are required to implement evidence-based practice in dentistry?
  - How can we disseminate the skills of evidence-based practice to others?
  - The strengths and weaknesses of evidence-based learning objectives.
- 15h00 *Tea*
- 15h30 *Continue discussions if necessary*
- 16h00 *Development of tasks for participants*
- How participants will produce documentation on a teaching modules that are evidence-based, detailing learning objectives, teaching and learning methods, assessment, materials used, etc.
  - How participants will start to develop clinical practice guidelines.
  - Communication and coordination.
- 17h00 *Complete day's and overall evaluation forms*
- 17h15 *Depart*

## Day 1

10h30 - 12.30

1. [What is evidence-based medicine and dentistry?](#)
2. [What are the principles of evidence-based medicine and dentistry in general?](#)
3. [What are the principles and structure of randomised clinical trials, clinical trials, and systematic reviews?](#)

13h30-15.00

4. [How to frame meaningful questions that can be answered by literature searching. ANSWERS](#)

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## Day 2

08h30-9.30

5. [Where is the evidence?](#)
6. [How to find the best available evidence to answer a research question.](#)
7. [How to search for evidence – Cochrane database, Medline, others.](#)

11h45-12.30

8. [How to critically appraise clinical trials and their interpretation to answer a research question.](#)
9. [Critical Appraisal Skills - How to read a paper.](#)
10. [Randomised clinical trials re-visited – do they exist in dentistry?](#)

13h30-15.00

11. [What is a systematic review and what's so special about it?](#)
12. [What is Meta-analysis and does it work?](#)
13. [How can evidence be evaluated, synthesised and interpreted?](#)

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## Day 3

09h30-10.00

14. [How to implement scientific evidence in guidelines that address clinical questions.](#)

10h30-11.00

15. [AGREE instrument](#)