# CRITICAL APPRAISAL VIRTUAL WORKSHOP

**Aim**

To gain a comprehensive overview and understanding of how to critically appraise clinical papers.

**Objectives**

1. To understand the meaning of evidence-based dentistry and the importance of critical appraisal skills.
2. To be able to identify different study designs.
3. To be able to evaluate the methodology of any study for strengths and weaknesses.
4. To understand how to choose a statistical test to analyse data and be able to interpret the results of any study.
5. To be able to calculate clinically useful statistics from results data.
6. To be able to decide whether to change clinical practice based on the results of a study.

# Agenda

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| 0900 | Introduction to evidence-based medicine - types of studies; samples and populations; endpoints. |
| 1010 | Appraising methodology - The clinical question and primary hypothesis, secondary hypotheses. |
| 1100 | Appraising methodology - subgroup analysis, interim analysis, pilot studies |
| 1115 | Appraising methodology - Bias; confounding factors. |
| 1130 | Appraising methodology - restriction; matching; randomisation; blinding; reliability. |
| 1200 | **Break** |
| 1230 | Understanding results - statistical tests. |
| 1315 | Understanding results - type I &II errors and power / sample size calculations |
| 1400 | Interpretation of results |
| 1500 | Interpretation of results II |
| **DAY 2** | |
| 0900 | **Clinical paper session** |
| 1500 | Feedback and close |