



# Critical Appraisal

Dental trainees workshop

*A comprehensive and practical overview of everything you need to understand and appraise clinical papers with confidence.*

*25th & 26th Feb 2020*



**The *Critical Appraisal Workshop* provides a comprehensive overview of everything you need to understand and appraise clinical papers with confidence.**

Critical appraisal is taught from first principles assuming no prior knowledge. You will be guided through presentations designed to illustrate key points. You will test your understanding by completing exercises in the workshop handout and appraising real clinical papers.

The workshop offers the opportunity to not only learn how to critically appraise clinical papers but to practice these new skills under supervision.

The tutor is Narinder Gosall, author of *"The Doctor's Guide to Critical Appraisal"* 4th edition, PasTest, which was a winner at the BMA Medical Book Awards 2012 in the Basis of Medicine category.

## Become an expert!

By the end of the workshop, you will

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

You will receive the workshop handout and a certificate of attendance (CPD 6 hours). Refreshments and lunch are included.

You will receive complimentary access to the *Critical Appraisal Online Course* for 3 months after the workshop date. The online course includes the core teaching materials.

## Workshop places are limited!

Reserve your place today! Contact:

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<b>Date</b>	<b>25th &amp; 26th Feb 2020</b>
0830	Registration
0900	Introduction
0910	Appraising methodology
1215	Lunch
1315	Understanding results
1500	Practice papers
1700	Workshop ends

**Venue** Health Education  
North West, 3rd Floor, 3  
Piccadilly Place, Manchester,  
M1 3BN

## Workshop topics include

Types of studies  
Populations and samples  
Sample size and power  
Inclusion and exclusion criteria  
Bias and confounding  
Randomisation and allocation  
Blinding and placebos  
Reliability and validity  
Intention-to-treat analysis  
Incidence and prevalence  
Means, medians, modes  
Null hypothesis and P values  
Type 1 and type 2 errors  
Choosing statistical tests  
Risks and odds  
Numbers needed to treat  
Correlation and regression  
Systematic reviews  
Meta-analyses  
Forest plots and funnel plots  
Homogeneity/heterogeneity  
Non-inferiority/equivalence  
Diagnostic studies  
Sensitivity & specificity  
Pre/post-test probabilities  
ROC curves  
Prognostic studies  
Kaplan Meier survival graphs  
**and more!**

