

READ CLINICAL PAPERS WITH CONFIDENCE



Critical Appraisal Workshop

Organised by the Education Committee of the British
Orthodontic Society

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

British Orthodontic Society Headquarters,
12 Bridewell Place, London EC4V 6AP

2 day 'advanced' course, 31st Jan/1st Feb 2020
End of early bird 20th December 2019

The Critical Appraisal Company



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

Narinder Gosall will teach critical appraisal from first principles, assuming no prior knowledge. She will guide you through presentations and exercises designed to illustrate key points. You will test your understanding by completing exercises in the workshop handout and appraising real clinical papers. The workshop will use interactive handsets.

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

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

Outstanding value for money!

BOS members: early bird £180 / full price £200

Non-BOS: early bird £230 / full price £250

The workshop includes the workshop handout, certificate of attendance (12 hours CPD), refreshments and lunch and complimentary access to the *Critical Appraisal Online Course* for three months after the workshop date. The online course includes the core teaching materials.

Reserve your place today! Contact *Course Organiser* via email:

ann.wright@bos.org.uk

Registration opens 0845
Workshop 0900 - 1700

Venue

British Orthodontic Society
Headquarters, 12 Bridewell
Place, London EC4V 6AP

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!

DAY 1	
0845	Registration
0900	Introduction to Evidence Based Orthodontics and the ISFE examination.
0915	Appraising Methodology <i>The clinical question and primary hypothesis; types of studies; samples and populations; endpoints</i>
1000	Appraising Methodology <i>Bias; confounding factors; restriction; matching; randomisation; blinding; reliability; validity</i>
1045	Coffee
1100	Understanding Results <i>Intention to treat analysis; null hypothesis and p values; confidence intervals</i>
1230	Lunch
1330	Understanding Results <i>Power; type I and type II errors</i>
1430	Understanding Results <i>Types of data; statistical tests; risks and odds</i>
1515	Coffee
1530	ISFE Questions and answers session
1700	Feedback and Close
DAY 2	
0900	Critical Appraisal <i>RCTs: ISFE Style exam questions</i>
1045	Coffee
1100	Critical Appraisal <i>Prognostic studies: ISFE Style exam questions</i>
1230	Lunch
1330	Critical Appraisal <i>Observational studies :ISFE Style exam questions</i>
1500	Coffee
1515	Critical Appraisal <i>Systematic reviews and meta-analyses: ISFE Style exam questions</i>
1600	Summary and Close