READ CLINICAL PAPERS WITH CONFIDENCE

Critical Appraisal
Workshop

A comprehensive and practical overview of everything you need to read clinical papers with confidence

Dental Hospital, Manchester
7- 8 September 2015

The Critical Appraisal Company

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

Our expert tutors will teach critical appraisal from first principles, assuming no prior knowledge. They 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 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

You will receive 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 the course organiser via email:

Susan Tierney

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Date 7 September 2015
0845 Registration
0900 Workshop starts
1700 Workshop ends

Date 8 September 2015
0900 Workshop starts
1600 Workshop ends

Venue
Health Education North West
3rd Floor, 3 Piccadilly Place
ManchesterM1 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!