

READ CLINICAL PAPERS WITH CONFIDENCE



# Critical Appraisal

## One Day Course

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

*1 October 2014 - 9am to 4.30pm - Lecture Theatre  
Mackenzie Centre, Burnley General Hospital*

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

You will be guided through presentations and exercises designed to illustrate key points. You will test your understanding by completing exercises in the course handout. You will learn to evaluate the methodology for strengths and weaknesses, and be able to extract important data from the results section.

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

The course tutor is Dr Gурpal S. Gosall, Consultant Psychiatrist, Royal Blackburn Hospital and author of *"The Doctor's Guide to Critical Appraisal"* 3rd edition, PasTest. The book was the winner at the BMA Medical Book Awards 2012 in the 'Basis of Medicine' category.

## Agenda

### Wednesday 1 October 2014

0900 Registration  
0915 **Research basics**  
1045 Break  
1100 **Appraising the methodology**  
1230 Break  
1330 **Understanding results**  
1530 Break  
1545 **Systematic reviews and meta-analyses**  
1630 End

## Reserve your place today!

The course is suitable for all healthcare professionals. You will be provided with a handout and a certificate of attendance (CPD/CME 6 hours). You will also be given one month's access to an online multimedia course on critical appraisal knowledge and skills.

To reserve your place, please contact:

Mackenzie Healthcare Library  
Burnley General Hospital  
Casterton Avenue  
Burnley  
BB10 2PQ

External dial : 01282 805078  
Internal dial : 15078  
Email : library.burnley@elht.nhs.uk

## Course topics include

Populations and samples  
Sample size and power  
Inclusion and exclusion criteria  
Bias and confounding  
Randomisation and allocation  
Blinding and placebos  
Reliability  
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  
Systematic reviews  
Meta-analyses  
Forest plots and funnel plots  
Prognostic studies  
Kaplan Meier survival graphs

**and more!**