



Scientific Methods and Research Techniques

Faculty of Education
Cambridge
25th – 27th November 2015

The SMART course is a research methodology course designed and organised by the University of Cambridge, Division of Anaesthesia

The course provides an introduction to the research process, from setting up a project and gaining ethical approval through gathering and analysing the data to presenting the results and peer review

Aimed primarily at post fellowship / membership anaesthesia and intensive care medicine trainees, the SMART course is also open to emergency and acute medicine trainees or more junior anaesthetic / ICM trainees

It has long been recognised that a firm grounding in the principles of research is an essential part of anaesthetic training. The SMART course objectives map to the Royal College of Anaesthetists Higher "Academic & Research" Competencies for the CCT in anaesthesia, pain and intensive care medicine. The course is presented by experienced researchers and has a strong interactive focus with hands-on workshops - so places are **limited to 16**. The course is subsidised by the HEEofE so trainees from the East of England will be given the subsidised rate of **£104**. For External and International delegates the cost is **£312**.

COURSE OVERVIEW

- The role of research
- Career pathways in research
- Literature review
- Critical appraisal
- Meta-analysis
- Study design and methodology
- Gaining ethical approval
- Funding
- Running a study and dealing with problems
- Principles of statistics: Hypothesis testing, significance testing, distributions and power
- Hands-on statistical analysis
- Presenting your ideas - Getting the most from Excel
- Peer review and getting published
- Research and industry
- Recruiting patients

- Places on the course are strictly limited and will be reserved on a first come, first served basis upon receipt of online application and full payment
- Fees will be non-refundable after 24th October 2015 and include lunch, refreshments and daily parking but exclude accommodation
 - Participants must attend for the duration of the course

PLEASE BOOK ONLINE at www.cam-pgmc.ac.uk

Administration enquiries to: Ms Gill Wilson, Senior Administrator, Post Graduate Medical Centre, Addenbrooke's Hospital, Cambridge email gw367@medschl.cam.ac.uk Telephone 01223 254993.

Organiser: Dr G Rajendran, ST6 Anaesthesia; gr374@cam.ac.uk.