

BIR

The British
Institute of
Radiology



Optimisation in CT

4 October 2013

The London Deanery

A CPD focused meeting designed to provide diagnostic radiology and radiation protection physicists and radiographers with an update on CT dosimetry, CT image quality analysis and the development of fit for purpose CT protocols.

Programme

- 09:30 Registration
10:00 Introduction
10:05 Justification and optimisation in CT
Matthew Dunn, Head of Radiology Physics
Nottingham University Hospitals NHS Trust
- 10:30 CT images: a radiologist's wants and needs**
Speaker TBC
- 11:00 Dose metrics in CT - from 100 to infinity in 15 minutes**
Sue Edyvean, Consultant Physicist
Royal Marsden Hospital, London
- 11:15 Refreshments**
- 11:30 Image quality an objective assessment**
Nicholas Keat, CT Physicist
iManova Ltd, London
- 12:00 Dose surveys - the big picture**
Sue Edyvean, Consultant Physicist
Royal Marsden Hospital, London
- 12:15 Where do I start? Optimisation for beginners**
Matthew Dunn, Head of Radiology Physics
Nottingham University Hospitals NHS Trust
- 12:30 Discussion
12:45 Lunch
- 13:30 Dose audit - size matters**
Elly Castellano, Consultant Physicist
Royal Marsden Hospital, London
- 13:45 mA modulation - what the technology offers**
Nicholas Keat, CT Physicist
iManova Ltd, London
- 14:00 mA modulation - what the patient gets**
Gareth Iball, Consultant Scientist
Leeds General Infirmary
- 14:20 Iterative reconstruction**
Nicholas Keat, CT Physicist
iManova Ltd, London
- 14:35 The potential for kV modulation**
Elly Castellano, Consultant Physicist
Royal Marsden Hospital, London
- 14:50 Refreshments**
- 15:10 Team building in CT**
Matthew Dunn, Head of Radiology Physics
Nottingham University Hospitals NHS Trust
- 15:20 Paediatrics - a minor problem**
Elly Castellano, Consultant Physicist
Royal Marsden Hospital, London
- 15:35 Switching scanners**
Gareth Iball, Consultant Scientist
Leeds General Infirmary
- 15:45 Taming new technology**
Speaker TBC
- 15:55 Patient shielding in CT - is it a cover up?**
Gareth Iball, Consultant Scientist
Leeds General Infirmary
- 16:05 Research exposures**
Elly Castellano, Consultant Physicist
Royal Marsden Hospital, London
- 16:15 Discussion**
16:30 Close

Non-member £195 | BIR Consultant member £125
BIR Non-Consultant member £95
BIR Retired/Trainee/Student member £50



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