



**BIR**

The British  
Institute of  
Radiology



# The British Institute of Radiology

## Contrast study day and essential physics for FRCR

Halifax Hall  
University of Sheffield

24 - 25 January 2013

CPD: 13 credits (Applied for)

**Thursday 24 January 2013**

**Contrast study day**

**This course is designed to demonstrate how contrast media work in a variety of established imaging techniques, to appreciate which ones to use and why, and to have an understanding of the safety issues involved.**

**It will benefit Trainees in radiology and established Consultant Radiologists wishing to keep abreast of the new contrast agents, and their use with established and new imaging techniques. The course will also act as essential CPD for radiographers working in any of the imaging disciplines.**

**09:00 Registration, tea and coffee**

**09:20 Welcome**

**09:30 General applications for CT  
Dr Matthew Bull, Sheffield**

**10:00 General applications for MR  
Speaker to be confirmed**

**10:30 Dynamics of blood flow within the body  
Dr Sapna Puppala, Leeds**

**11:00 MR contrast in children  
Dr Ashok Raghavan, Sheffield**

**11:20 Tea and coffee**

**11:40 MR contrast agents and acquisition techniques  
Professor Andrew Jones, Manchester**

**12:00 CT abdomen and colonography  
Dr Rachel Hyland, Leeds**

**12:30 Barium, MR small bowel, pancreas and renal  
Dr Haren Varia, Blackpool Teaching Hospitals NHS Foundation Trust**

**13:00 Questions and discussion**

**13:10 Lunch**

**14:00 CT angiography  
Speaker to be confirmed**

**14:30 MR angiography  
Dr Sapna Puppala, Leeds**

**15:00 Safety aspects of contrast media (CT and MR)  
Dr Mathew Bull and Professor Andrew Jones**

**15:30 Tea and coffee**

**15:50 CT and MR of the liver  
Dr Simon Olliff, Birmingham**

**16:20 Contrast ultrasound applications  
Dr Adrian Lim, London**

**16:50 Questions, discussion and close of day**

**Friday 25 January 2013**  
**Essential physics for FRCR**

**Educational aims:**

- 1. To cover the basics of physics for the Royal College of Radiology examinations**
- 2. To provide a forum to discuss areas of difficulty**
- 3. To provide access to experts in the workshops to explore areas of difficulty**
- 4. To provide a fun and relaxed approach to revision**

**08:00 Registration, tea and coffee**

**08:30 Quiz open**

**09:00 Basic physics review**  
**Dr John Fenner, Sheffield**

**09:30 IRMER**  
**Mr Giles Morrison, Sheffield**

**10:00 Screen-film and fluoro**  
**Dr John Kotre, Manchester**

**10:30 Coffee and into workshops**

**10:40 Workshops**

**11:40 Digital radiology**  
**Dr John Kotre, Manchester**

**12:10 Computed tomography**  
**Mr Stuart Yates, Cambridge**

**12:40 Lunch and quiz**

**13:30 Ultrasound**  
**Mr Stephen Russell, Manchester**

**14.00 Nuclear medicine**  
**Dr Tony Hughes, Preston**

**14.30 Tea and coffee**

**14.40 Workshops**

**15.40 MR**  
**Professor Andrew Jones, Manchester**

**16.10 Answers to MCQ's, problems and panel discussions**

**17.00 Close of meeting**

**Rates: Full course**

**Non member Consultant £180**

**Non member non Consultant £120**

**Non member Retired/Trainee/Student £90**

**BIR member: Consultant or equivalent £160**

**BIR member: Non Consultant members £90**

**BIR member: Retired/Student or Trainee members £60**

**Rates: One day only**

**Non member Consultant £100**

**Non member non Consultant £70**

**Non member Retired/Trainee/Student £55**

**BIR member: Consultant or equivalent £85**

**BIR member: Non Consultant members £55**

**BIR member: Retired/Student or Trainee members £40**

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**<http://www.bir.org.uk/membership.aspx>**

