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<th>Time</th>
<th>Lecture stream 1</th>
<th>Lecture stream 2</th>
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<th>Stream 5: workshops</th>
<th>Stream 6: interactive workshops</th>
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<tr>
<td>08:45–10:00</td>
<td>Registration</td>
<td></td>
<td>Controversies in the management of patients with lung cancer lectures and interactive cases</td>
<td>Professor Corinne Faivre-Finn</td>
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<td>10:00–11:30</td>
<td>How I evaluate chest and abdomen</td>
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<td>This session comprises lectures and case discussions.</td>
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<td>Chairs: Dr Andy Lowe, Dr Ian Zealley</td>
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<td>Delegates are invited to submit interesting and difficult cases to present during this session. Please use the presentation template (5 slides, 7 minutes) found on our website (<a href="http://www.rcr.ac.uk/rcr17">www.rcr.ac.uk/rcr17</a>) and email presentations to Ahmed Salem (<a href="mailto:ahmed.salem@manchester.ac.uk">ahmed.salem@manchester.ac.uk</a>) no later than Thursday 31 August 2017.</td>
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<td></td>
<td>and Dr Anthony Edey</td>
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<td>Early stage of lung cancer</td>
<td>Dr Kevin Franks, Leeds Teaching Hospitals NHS Trust</td>
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<td>How I evaluate small hypervascular liver lesions</td>
<td>Dr Robert Campbell, The Royal Liverpool and Broadgreen University Hospitals NHS Trust</td>
<td>Early stage of lung cancer discussion</td>
<td>Dr Kevin Franks, Leeds Teaching Hospitals NHS Trust</td>
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<td>Chair: Dr Hifz-ur-Rahman Aniq</td>
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<td>Locally advanced NSCLC and small cell lung cancer case discussion</td>
<td>Professor Corinne Faivre-Finn, Professor of Thoracic Radiation Oncology, The Christie NHS Foundation Trust, Manchester</td>
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<td>Shoulder: rotator cuff pathologies</td>
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<td>Locally advanced NSCLC and small cell lung cancer (SCLC) case discussion</td>
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<td>Shoulder: long head of biopses (LHB) and superior labial lesion</td>
<td>Dr Hifz-ur-Rahman Aniq, The Royal Liverpool and Broadgreen University Hospitals NHS Trust</td>
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<td>Dr Ian Zealley, NHS Tayside, Dundee</td>
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<td>How I evaluate dilated renal collecting systems</td>
<td>Dr Julian Keaveny, NPS Loftham, Edinburgh</td>
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Excellent range of topics covered from which I have learnt a great deal and will use in my clinical practice.
**Monday 11 September 2017**

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<td>How I evaluate metastatic masses</td>
<td>How I evaluate the airways</td>
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<td>Dr Richard Russell, Liverpool/Womens NHS Foundation Trust</td>
<td>Dr Neelam Dugar, Chairman, The Science Museum Group</td>
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<td>The head and neck MDT - the surgeons perspective</td>
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<td>Dr Dhiren Shah, London North West Healthcare NHS Trust</td>
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<td>13:15-14:00</td>
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| 11 September 2017

Please note that the programme is subject to change.
Monday 11 September 2017

10:15–10:40 Coffee

10:40–11:10 RCR meets Liverpool

Chair: Dr Andy Smethurst

Using telemedicine to reduce global healthcare inequality and promote peace
Dr Waheed Arian PTLLS, BA, MA, MBBS, Clinical Radiology Registrar, Director Arian Telehealth International Telemedicine Charitable Trust, Liverpool University Hospitals

The many facets of a modern interventional radiology venous practice
Dr Tze Chan, The Royal Liverpool and Broadgreen University Hospitals NHS Trust

Challenges in professional sports imaging
Dr Andrew Dunn, The Royal Liverpool and Broadgreen University Hospitals NHS Trust

Setting up a collaborative on call hub in Mersey – how we did it
Dr John Curtis, Aintree University Hospital NHS Trust, Liverpool and Dr Peter Rowlands, Royal Liverpool and Broadgreen University Hospitals NHS Trust

11:15–11:45 MSK lower limb

Common patterns of knee injury
Dr David McKean, Buckinghamshire Hospitals NHS Trust

What the knee surgeon wants from imaging
Shaveeha Khan, London North Westminster Healthcare NHS Trust

MSK intervention of the lower limb

The chronic post-traumatic ankle
Dr Chintu Gademsetty, Royal Surrey County Hospital NHS Foundation Trust

Mid-foot and forefoot pain
Dr Ramy Mansour, Oxford University Hospitals NHS Foundation Trust

11:45–12:15 Vascular imaging

Acute aortic syndrome
Dr Trevor Cleveland, Sheffield Vascular Institute, Sheffield Teaching Hospital NHS Foundation Trust

Pulmonary arteries
Dr Anu Balan, Barts Health NHS Trust, London

Central venous imaging
Dr Nick Woodhead, Royal Free London NHS Foundation Trust

Peripheral vascular imaging
Dr Elizabeth O’Grady, Aintree University Hospital NHS Foundation Trust

12:15–12:45 Lung cancer radiotherapy outlining workshop

Locally advanced NSCLC and SCLC
Dr James Teh, Oxford University Hospital NHS Foundation Trust

4Ways workshop: Teleradiology - beyond routine reporting, outsourced cardiac CT and MRI

Introducing outsourced cardiac CT and MRI imaging to the NHS. With the rapid increase in demand for these services, and the introduction of new National Institute of Care Excellence (NICE) guidelines, the NHS will be under greater pressure than ever to deliver.

Speakers:
Dr Francesca Pugliese, Reader and Consultant Cardiovascular Radiologist, Academic Lead for CT, Queen Mary University of London and Barts Health NHS Trust
Dr Anna Herrey, Consultant Cardiologist, Imaging Governance Lead, Barts Health NHS Trust and Royal Free NHS Foundation Trust
Dr Ben Timmis, Medical Director, 4Ways Healthcare

12:45–13:15 British Society of Urogenital Radiology (BSUR): Workshop on infertility and prostate imaging

Multiparametric MRI prostate
Dr Phil Haslam, Newcastle upon Tyne Hospitals NHS Foundation Trust

PSMA scanning
Professor Sobhan Vinjamuri, Royal Liverpool and Broadgreen University Hospitals NHS Trust

Interactive urology quiz
Dr Jane Belfield, Royal Liverpool and Broadgreen University Hospitals NHS Trust

13:15–14:15 4Ways workshop: Teleradiology - beyond routine reporting, outsourced cardiac CT and MRI

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Dr Ben Timmis, Medical Director, 4Ways Healthcare

18:15–19:45 Drinks reception

Everything is of a high standard, no space is left which required to be improved.
**Tuesday 12 September 2017**

**08:00–08:20**  
Registration

**08:30–10:30**  
Stepping common cancers  
Chair: Professor Mark Carlaway  
Head and neck  
Dr Mandy Williams, University Hospitals Bristol NHS Foundation Trust
Lung cancer  
Dr Kaya Iren, Central Manchester University Hospitals NHS Foundation Trust
Liver cancer  
Dr Ashley Guthrie, Leeds Teaching Hospitals NHS Trust
Upper gastrointestinal (GI)  
Dr Huw Roach, University Hospitals Bristol NHS Foundation Trust
Dental radiology for the clinical radiologist  
Dr Donald Thomson, Consultant in Dental andMaxillofacial Radiology NHS Lothian, Edinburgh
Chair: Dr Sarah Swift

**10:30–11:00**  
Coffee

**11:00–11:35**  
Quiz  
On-call night from hell  
Chair: Dr Ian Astley and Dr Nicholas Dobbs, NHS Tayside, Dundee
Challenging cases from head to toe. Includes interactive voting from the audience followed by tips from the experts.

**11:20–11:55**  
Successful implementation of image guided radiotherapy (IGRT)  
Chair: Dr Meredith Giuliani
Pitfalls of IGRT and how to avoid them  
Panel:  
Professor Maria Hawkins, Cancer Research UK and Medical Research Council, Oxford Institute for Radiation Oncology, Professor Fiona Gilbert, Cambridge University Hospitals NHS Foundation Trust  
Chair: Dr William Ramsden, Medical Director, Clinical Radiology, The Royal College of Radiologists, London
Drs PhD Anju Sahdev, Barts Health NHS Trust, London
Dr Simon Burbidge, Leeds Teaching Hospitals NHS Trust
Dr Sarah Swift, Leeds Teaching Hospitals NHS Trust
Dr Carl Rowbottom, The Clatterbridge Cancer Centre NHS Foundation Trust, Wirral

**11:20–11:55**  
Successfully implement image guided radiotherapy (IGRT) (Continued)

**12:00–12:30**  
Oncology stream coffee

**09:25–11:00**  
Successful implementation of image guided radiotherapy (IGRT)?

**11:20–11:55**  
Successful implementation of image guided radiotherapy (IGRT) (Continued)

**12 September 2017**
Tuesday 12 September 2017

12:05–13:00 RCR Annual General Meeting and College update

13:00–14:00 Lunch

13:15–13:45 Lunchtime symposium: Teleradiology - partnering with the NHS. Where we are and where we are going - a UK teleradiology company’s perspective
Dr Ben Timmis, Medical Director, 4ways Healthcare and Miss Alison MacKay, Head of Operations and Quality Assurance, 4ways Healthcare

14:00–14:45 President’s lecture: The art of anatomy
Professor Alice Roberts, Anatomist, Anthropologist and Professor of Public Engagement in Science at the University of Birmingham

14:45–15:00

Patient-centred radiology
Chairs: Dr Sam Chakravarty and Dr Paul McCoubrie

Video intervention
Facilitators: Dr Teik Choon See and Dr Jon Bell

Successful implementation of image-guided radiotherapy (continued)
Dr Mark van Gemen, Princess Margaret Cancer Centre, Toronto

Training in image-guided radiotherapy (continued)

This interactive video session on interventional radiology is aimed at trainees and consultant radiologists who perform some general interventional procedures (Part 1) and non-vascular interventions of the kidneys and liver (Part 2). Delegates will be shown recorded video demonstrations on how to perform the procedures, followed by an interactive discussion including tips and tricks. Equipment (biopsy needles, drainage catheters, plugs, wires) and technical issues will also be discussed.

- Percutaneous biopsy
- Percutaneous drainage

Part 1
- Aircraft accidents-lessons for radiology?
  Mr Ciarán Carthy, Airline Safety Auditor, Flight Simulator and Human Factors Instructor

- Real consent
  Dr Iain Robertson, NHS Greater Glasgow and Clyde

Part 2
- Successful implementation of image-guided radiotherapy (continued)
  Dr Meredith Giuliani, Princess Margaret Cancer Centre, Toronto

- Training in image-guided radiotherapy (continued)
  Dr Mark van Gemen, Princess Margaret Cancer Centre, Toronto

British Society of Neuroradiology (BSNR) and UK Neurointerventional Group (UKNG):
Update and new developments in the management of acute ischaemic stroke – what the radiologist needs to know
Organiser: Dr Chris Rowland Hill
Faculty include:
- Dr Andrew Clifton, St George’s University Hospitals NHS Trust, London
- Dr Robert Lenthall, Nottingham University Hospitals NHS Trust
- Professor Philip White, Professor of Interventional and Diagnostic Neuroradiology Institute of Neuroscience Newcastle University

Part 1
- Summary of evidence for Mechanical thrombectomy (MT) – why a 24/7 service is a must
- Plain CT interpretation including Alberta Stroke Program Early CT score (ASPECTS)
- Computed tomography angiography (CTA) techniques, evaluation and scoring systems
- Role of perfusion imaging (CT/MRI)

Part 2
- British Society of Skeletal Radiologists (BSSR):
  Making sense of incidental bone lesions
  Organiser: Dr Bernhard Tins

- The incidental lytic bone lesion
  Dr Ramy Mansour, Oxford University Hospitals NHS Trust

- The incidental mixed bone lesion
  Dr Rajesh Botchu, The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham

- The incidental sclerotic bone lesion
  Dr Bernhard Tins, Robert Jones and Agnes Hunt Orthopaedic Hospital NHS Foundation Trust, Oswestry

- The incidental bone marrow lesion on MRI: benign vs malignant
  Dr Anastasia Fotiadou, The Royal Orthopaedic Hospital NHS Trust, Stanmore

- Cartilaginous bone lesions
  Dr Geoff Hide, Newcastle upon Tyne Hospitals NHS Foundation Trust

Questions from the audience and podiums discussion

Tuesday 12 September 2017

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<td>Dr Katharine Atkin, The Royal Marsden Foundation Trust, London</td>
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<td>Dr Sarah McWilliams, Eau's and St Thomas' NHS Foundation Trust, London</td>
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<td>Professor Maria Halsall, Cancer Research UK and Medical Research Council, Oxford</td>
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<td>Institute for Radiation Oncology, University of Oxford</td>
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<td>Dr Paul McGuire, North Bristol NHS Trust and RCR Human Factors Adviser</td>
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<td>Dr Kevin Franks, Leeds Teaching Hospitals NHS Trust</td>
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<td>Patient safety – are we doing it all wrong?</td>
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<td>16:00-17:15</td>
<td>Video intervention (continued)</td>
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<td>Panel question and answer session</td>
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<td>17:15-18:30</td>
<td>British Society of Skeletal Radiologists (BSSR): Making sense of incidental bone lesions (continued)</td>
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Please note that the programme is subject to change.
**Wednesday 13 September 2017**

**Time** | **Lecture stream 1** | **Lecture stream 2** | **Lecture stream 3** | **Lecture stream 4: oncology** | **Stream 5: workshops** | **Stream 6: interactive workshops**
---|---|---|---|---|---|---
08:00–08:20 | Registration |  |  |  |  |  
08:30–10:00 | *How I evaluate brain and spine* Chair: Dr Mark Radon  
- Trauma head and spine  
  Dr Mark Radon, The Walton Centre NHS Foundation Trust, Liverpool  
- The non-trauma head scan: stroke and beyond  
  Dr Manesh Bhujak, The Walton Centre NHS Foundation Trust, Liverpool  
- The acute spine MRI  
  Dr Kuldip Meek, St George’s University Hospitals NHS Trust, London |  |  |  |  |  
| *Plain film* Chair: Dr Arpan Banerjee  
- The plain chest X-ray revisited  
  Dr Stephen Ellis, Barts Health NHS Trust, London  
- The abdominal X-ray revisited  
  Dr Hannah Lamble, Leeds Teaching Hospitals NHS Trust  
- The plain film of the appendicular skeleton  
  Dr Rumana Hossain, Barts and Thurnh University Hospitals NHS Foundation Trust |  |  |  |  |  
| *Chest malignancy* Chair: Dr John Howells  
- Duty of candour and medico-legal implications of missed lung cancer  
  Dr Nicola Strickland, Imperial College Healthcare NHS Foundation Trust, London  
- Chest X-ray and lung cancer quiz: why are cancers missed?  
  Dr Sue Keaney, Lancashire Teaching Hospitals NHS Foundation Trust |  |  |  |  |  
|  | *Controversies in the treatment of upper abdominal and oesophageal malignancies* Led by Professor Maria Hawkins  
- Abdominal IGRT workshop  
  Dr Sarah Gwynne, South West Wales Cancer Centre and Dr Ganesh Radhakrishna, The Christie NHS Foundation Trust  
- Developing best practice via trials in oesophageal cancer  
  Dr Tom Crosby, Velindre Cancer Centre, Wales  
- Pancreas when to consider radiation in the pre-op/definitive setting  
  Dr Somnath Mukherjee, Oxford Institute for Radiation Oncology |  |  |  |  |  
10:00–10:30 | Coffee |  |  |  |  |  
11:00–11:30 | *Oncology stream coffee* |  |  |  |  |  

Please note that the programme is subject to change.
10:30–12:30
How I evaluate: brain and spine
(continued)

Intracranial masses
Dr Samantha Mills, The Walton Centre NHS Foundation Trust, Liverpool

White matter lesions
Dr Stuart Currie, Leeds Teaching Hospitals NHS Trust

Computed tomography angiography (CTA) and magnetic resonance angiography (MRA) of intra- and extra-cranial vessels
Dr Richard Dyde, Sheffield Teaching Hospitals NHS Foundation Trust

Interactive panel discussion

11:30–12:30
Controversies in the treatment of upper abdominal and oesophageal malignancies

Hepatobiliary malignancies – indications for radiotherapy (SBRT and other fractionations)
Dr James Good, University Hospitals Birmingham NHS Foundation Trust

Stereotactic body radiation therapy (SBRT) for liver metastases: who? When? And how?
Dr Katharine Aitken, The Royal Marsden NHS Foundation Trust

Interactive panel discussion

12:30–13:00
Lunch

12:45–13:15
Lunchtime symposium: Update from the UK Contracts Committee on the new consultant contract
Dr Anne Carson, Radiology Lead, British Medical Association Consultants Contracts Committee and Chair of Northern Ireland Consultants Committee

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**Wednesday 13 September 2017**

**Time** | **Lecture stream 1** | **Lecture stream 2** | **Lecture stream 3** | **Lecture stream 4: oncology** | **Lecture stream 5: workshops** | **Lecture stream 6: interactive workshops**
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13:30–14:15 | Blue skies lecture | The development and projected applications of a two metre long, total body PET scanner

Professor Pat Price, Imperial College London and Professor Terry Jones, University of California, Davis

**14:30–17:00**

**Trauma**

Chair: Dr Suzanne Amin

**Battlefield radiology**

Dr Philip Craske, Plymouth Hospitals NHS Trust

**Preparedness for terrorism: what the radiologist should expect**

Dr Elizabeth Doh, Imperial College Healthcare NHS Trust, London

**Thoracic trauma**

Dr John Curtis, Aintree University Hospital NHS Trust, Liverpool

**Imaging of spinal trauma**

Dr Mark Reddy, The Walton Centre NHS Foundation Trust, Liverpool

**Paediatric trauma**

Dr Carin Leopold, Alder Hey Children’s NHS Foundation Trust

**Interventional radiology in trauma**

Dr Elka Khalaf, Imperial College Healthcare NHS Trust, London

**PET–computed tomography (PET-CT) and single photon emission computed tomography (SPECT)**

Chair: Dr Claire Beadlemore

**MSK SPECT-CT: the new problem solver**

Dr Bhavin Upadhyay, The Royal National Orthopaedic Hospital NHS Trust, Stanmore

**Parathyroid SPECT-CT: the road to one-stop imaging?**

Dr Davina Pawaroo, Norfolk and Norwich University Hospitals NHS Foundation Trust

**Neuroendocrine tumours: a revision of nuclear medicine imaging and therapy options**

Dr Nabil Hujairi, Norfolk and Norwich University Hospitals NHS Foundation Trust

**Nuclear medicine imaging of infection: the world beyond anatomy**

Dr John Buscombe, Consultant Nuclear Medicine Physician, Cambridge University Hospitals NHS Foundation Trust

**PET-CT for the general radiologist: incidentalomas, mimics and pitfalls**

Dr Jonathan Mo, Southend University Hospital NHS Trust

**SPECT ventilation-perfusion (VQ): a better way to look for pulmonary embolism (PE)?**

Dr James Hathorn, Ipswich Hospital NHS Trust

**Liver disease in the UK – under-recognised and on the rise**

Chair: Dr Ashley Guthrie

**The public health scandal**

Professor Sir Ian Gilmore, University of Liverpool

**Identifying and assessing parenchymal disease**

Professor Paul Sidhu, Kings College Hospital NHS Foundation Trust, London

**What has MRI to offer?**

Dr Rajarshi Banerjee, Oxford University Hospitals Trust

**Discussion**

**Complications of cirrhosis**

Dr Raneem Albazaz, Leeds Teaching Hospitals NHS Trust

**Primary sclerosing cholangitis (PSC) – diagnosis and other diagnostic difficulties**

Dr Edmund Godfrey, Cambridge University Hospitals NHS Foundation Trust

**Abdominal radiotherapy outlining workshop**

Led by: Professor Maria Hawkins, Dr Sarah Gwynne, Dr Gaetan Rabbalzhina, Dr Tom Cirey, Dr Simona Mavridis, Dr James Good and Dr Katherine Atkin

Please note that this is an outlining workshop using the Falcon Educase platform and will involve pre-registration and a small amount of work to be done in advance of the meeting; so please do ensure this session is selected when registering for RCR17.

Delegates must bring their own laptops.

**British Society of Paediatric Radiology (BSPR): Practical fetal MRI**

Organiser: Dr Susan King

**Fetal MRI - the placenta, umbilical cord and more**

Dr Espehorn Whiteby, Sheffield Teaching Hospitals NHS Foundation Trust

**Fetal brain imaging**

Dr Leeley MacPherson, Birmingham Women’s and Children’s NHS Foundation Trust

**Fetal body imaging**

Dr Emily Steene, Sheffield Teaching Hospitals NHS Foundation Trust

**Fetal MRI - quiz**

Dr Olivia Thomas, NHS Ayrshire and Arran

**Please note that the programme is subject to change**

Wednesday 13 September 2017