Monday overview

**Morning sessions**

*Hall 1A: Main auditorium*

- **10:00–11:30**
  - 8:30–10:00
    - *Hall 1A: Main auditorium*
    - Registration
  - 10:30–11:30
    - *Hall 1A: Main auditorium*
    - Coffee

- **11:30–13:00**
  - 10:30–12:00
    - *Room 12*
    - Cardiac computed tomography (CT) in your department: the impact of National Institute for Health and Care Excellence (NICE) guidelines
  - 12:00–13:00
    - *Room 12*
    - Lunch

- **13:00–14:10**
  - 11:30–13:30
    - *Room 12*
    - Paediatric oncology
  - 13:30–14:10
    - *Room 12*
    - Radiotherapy for relapsed disease

- **14:10–15:00**
  - 13:30–15:00
    - *Room 12*
    - IBM Watson Health workshop: Conceptions and misconceptions – getting ready for AI
  - 15:00–15:45
    - *Room 12*
    - Trainee workshop: Breast imaging for the FRCR 2B

- **15:00–16:00**
  - 14:45–16:10
    - *Room 12*
    - Trainee workshop: Emergency abdominal CT

- **16:00–16:40**
  - 15:45–16:40
    - *Room 12*
    - Intermediate lung disease

**Afternoon sessions**

*Hall 1A: Main auditorium*

- **13:15–13:45**
  - 12:30–13:30
    - *Hall 1A: Main auditorium*
    - Cardiac computed tomography (CT) in your department: the impact of National Institute for Health and Care Excellence (NICE) guidelines
  - 13:30–13:45
    - *Hall 1A: Main auditorium*
    - E-poster presentations (Room 13)

- **13:45–14:45**
  - 13:00–14:00
    - *Room 13*
    - Medical legal
  - 14:00–15:00
    - *Room 13*
    - Nuclear medicine: hot topics

- **14:15–15:00**
  - 13:45–14:45
    - *Room 13*
    - Future technologies
  - 14:45–15:00
    - *Room 13*
    - Prostate radiotherapy outlining workshop

- **15:00–16:00**
  - 14:45–15:45
    - *Room 13*
    - Trainee workshop: Musculoskeletal (MSK) trauma radiograph interpretation
  - 15:45–16:00
    - *Room 13*
    - BSCI/BSCCT: Cardiac findings in thoracic CT for the non-specialist: the practical

**Tuesday**

- 08:30–10:00
  - *Hall 1A: Main auditorium*
  - Registration
- 11:30–13:30
  - *Room 12*
  - Cardiac computed tomography (CT) in your department: the impact of National Institute for Health and Care Excellence (NICE) guidelines
- 13:30–15:00
  - *Room 12*
  - Lunch
- 13:45–15:45
  - *Room 12*
  - Paediatric oncology
- 14:45–15:45
  - *Room 12*
  - Radiotherapy for relapsed disease
- 15:45–16:45
  - *Room 12*
  - IBM Watson Health workshop: Conceptions and misconceptions – getting ready for AI
- 16:45–17:45
  - *Room 12*
  - Trainee workshop: Breast imaging for the FRCR 2B

**Wednesday**

- 08:30–10:00
  - *Hall 1A: Main auditorium*
  - Registration
- 09:00–10:00
  - *Hall 1A: Main auditorium*
  - Morning session
- 11:30–13:30
  - *Room 12*
  - Cardiac computed tomography (CT) in your department: the impact of National Institute for Health and Care Excellence (NICE) guidelines
- 13:30–15:30
  - *Room 12*
  - Lunch
- 13:45–15:45
  - *Room 12*
  - Paediatric oncology
- 14:45–15:45
  - *Room 12*
  - Radiotherapy for relapsed disease
- 15:45–16:45
  - *Room 12*
  - IBM Watson Health workshop: Conceptions and misconceptions – getting ready for AI
- 16:45–17:45
  - *Room 12*
  - Trainee workshop: Breast imaging for the FRCR 2B

**Exhibitors & Floorplan**

- Exhibition hall
- Registration area
- Lecture theatres
- Workshops
- Interactive workshops

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*Learning points and references are available on the RCR18 app.*
Monday morning

**Radiology stream 1**

**Monday**

**10:00–10:15** Incidental small bowel intussusception  
Dr Sara Ugooni, Cambridge University Hospitals NHS Foundation Trust

**10:15–10:30** Small pancreatic cystic lesions – do they all have to go to multidisciplinary team meetings?  
Dr James Franklin, Royal Bournemouth and Christchurch Hospitals NHS Foundation Trust

**10:30–10:45** Adrenal cysts – what can I safely ignore on computed tomography (CT)?  
Dr Helen Addley, Cambridge University Hospitals NHS Foundation Trust

**10:45–11:00** Submucosal fat in the stomach/small bowel/colon  
Dr James Stephenson, University Hospitals of North Midlands NHS Foundation Trust

**11:00–11:15** Bile duct dilatation – does everyone need magnetic resonance cholangiopancreatography (MRCP)?  
Dr David Bowden, Cambridge University Hospitals NHS Foundation Trust

**11:15–11:30** Cases and questions  
Dr Ian Peate, Leeds Teaching Hospitals NHS Trust

**12:00–12:15** Mesenteric nodes – what can I ignore?  
Dr Edmund Godfrey, Cambridge University Hospitals NHS Foundation Trust

**12:15–12:30** Chronic mesenteric ischaemia – what should I treat and when should I intervene?  
Dr Ian Murphy, Taunton and Somerset NHS Foundation Trust

**12:30–12:45** Portal vein thrombosis – who needs thrombectomy, and what tests should I suggest next?  
Dr Ian Murphy, Tallaght Hospital, Dublin

**12:45–13:00** Cases and questions

**Tuesday**

**Radiology stream 2**

**Monday**

**10:00–10:45** Cardiac findings on thoracic computed tomography (CT) for the non-specialist  
Professor Simon Padley, Royal Brompton and Harefield NHS Foundation Trust, London

**10:45–11:30** Cardiac CT for the new NICE chest pain guidelines. Workforce status – how are we doing?  
Dr Giles Roditi, NHS Greater Glasgow and Clyde

**12:00–12:30** Cardiac CT – coronary arteries and so much more  
Dr Deepa Gopalan, Imperial College Healthcare NHS Trust, London

**12:30–13:15** Collaborative service delivery for cardiac CT – it works  
Dr Nick Watson, University Hospitals of North Midlands Trust and Dr Simon Ducket, University Hospitals of North Midlands NHS Trust

**13:15–14:00** Lunch

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**Wednesday**

**Radiology stream 3**

**Monday**

**10:00–10:30** Paediatric sarcoma: the clinical oncologist’s perspective  
Professor Bernadette Brennan, University NHS Hospitals Foundation Trust

**10:30–11:00** Paediatric tumour mimics  
Dr Shrinath Prabhu, Alder Hey Children’s NHS Foundation Trust, Liverpool

**11:00–11:30** Liver oncology imaging  
Dr Glyn Morgan, Birmingham Children’s Hospital NHS Foundation Trust

**12:00–12:30** Paediatric proton beam therapy: overview of service in Manchester  
Dr Ed Smith, The Christie NHS Foundation Trust, Manchester

**12:30–13:00** Paediatric proton beam therapy: neuro-oncology  
Dr Ian Zealley, NHS Tayside, Dundee

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**Oncology stream Room 12**

**Monday**

**10:00–10:30** Fractionation matters  
Dr Nick Van As, The Royal Marsden NHS Foundation Trust, London

**10:30–11:00** Beyond conventional or hypofractionated high dose intensity-modulated radiotherapy for prostate cancer (CHHIP)  
Dr Isild Sforza, The Christie Cancer Centre, Wirral

**11:00–11:30** Hypoxia modification and other novel drug combinations  
Dr Roberto Antoni, Mount Vernon Cancer Centre, Middlesex

**12:00–12:30** Post-focal therapies  
Dr Julia Murray, The Royal Marsden NHS Foundation Trust, Sutton

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**Workshops**

**Room 4A**

**Monday**

**10:00–11:30** A workshop highlighting extracts from the full Watson Health Imaging

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**Interactive workshops Room 4B**

**Monday**

**10:00–11:00** Breast imaging is often feared by radiology trainees when faced with cases in the 2B exam (known to some as ‘beast’ cases). This workshop is designed to give trainees the confidence to interpret breast imaging in the 2B exam.

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**Trainee workshop: Emergency abdominal computed tomography (CT) workshop**

**Monday**

**12:00–13:00** A workshop highlighting extracts from the full day BSGAR emergency abdominal CT workshop. Delegates will spend time working in pairs at Osirix workstations reviewing a series of cases.
Monday afternoon

Room 13
Clinical radiology
George and Vera Ansell proffered paper presentations

13:00–13:10
Computed tomography (CT) texture features as predictor of recurrence in oesophageal cancer patients undergoing trimodality treatment
Dr Kai En Low, Luton and Dunstable University Hospital NHS Foundation Trust

13:10–13:20
False-positive pulmonary nodules reported on chest radiographs: an analysis of imaging characteristics
Dr Annette Johnston, Leeds Teaching Hospitals NHS Trust

13:20–13:30
Differential findings and use of convolutional neural network (CNN) – derived risk score on benign resolving and non-resolving pulmonary nodules
Dr Maria Tsakok, Oxford University Hospitals NHS Trust

13:30–13:40
Treating paediatric intussusceptions – when do air enemas fail?
Dr Joseph Keighley, Brighton and Sussex University Hospitals NHS Trust

13:40–13:50
Meta-analysis of the utility of beta-amyloid imaging in diagnosing Alzheimer’s disease and predicting progression of mild cognitive impairment (MCI) to Alzheimer’s
Dr Kai En Low, Luton and Dunstable University Hospital NHS Foundation Trust

13:50–14:00
Comparison of renal split function using 1.5 T dynamic contrast-enhanced magnetic resonance imaging (DCE-MRI) and nuclear medicine
Dr Giles Roditi, NHS Greater Glasgow and Clyde

14:00–14:10
Detecting renal cancer earlier: preliminary outcomes of a radiology-led rapid diagnostic clinic pilot study
Dr Keiran Foley, Cardiff University School of Medicine

14:10–14:20
Adaptive hyperfractionated radiotherapy for elderly patients with locally advanced bladder cancer (LABC)
Professor Robert Huddart, Royal Marsden NHS Foundation Trust

Radiology stream 1
Hall 1A: Main auditorium
Interstitial lung disease (ILD)
Chair: Dr Anthony Eddy

15:10–15:35
The uncommon interstitial lung diseases
Dr Grant Griffiths, Cwm Taf University Health Board, Cardiff

15:35–15:50
Update on clinical management of idiopathic pulmonary fibrosis (IPF)
Dr Joseph Jacobs, King’s College Hospital NHS Foundation Trust, London

15:50–16:05
Computerised evaluation of IPF
Dr Joseph Jacobs, King’s College Hospital NHS Foundation Trust, London

16:05–16:30
Hypersensitivity pneumonitis
Dr Carol Ridge, Royal Brompton and Harefield NHS Foundation Trust, London

16:30–16:45
Cystic lung disease
Dr Judith Baber, Cambridge University Hospitals NHS Foundation Trust

Hall 1B: Lecture theatre
Nuclear medicine: hot topics
Chair: Dr Chirag Patel

15:10–15:40
Current status of medical radionuclide supply in the UK
Professor Alan Perkins, University of Nottingham

15:40–16:10
Nuclear cardiology – does it still have a role in cardiac imaging?
Dr Deepa Gopalan, Imperial College Healthcare NHS Trust, London

16:10–16:35
Making best use of single-photon emission computed tomography (SPECT-CT) in musculoskeletal imaging
Dr Arun Parthipun, Royal Free London NHS Trust

16:35–17:10
Imaging prostate cancer recurrence: 18F-Choline versus 68Ga-PMSA positron emission tomography-computed tomography (PET-CT)
Dr Tara Barwick, Imperial College Healthcare NHS Trust, London

17:10–17:35
Don’t forget PET imaging in dementia
Dr Fahmid Chowdhury, Leeds Teaching Hospitals NHS Trust

17:35–18:10
Panel discussion

Hall 1A: Main auditorium
Univadis lunchtime symposium

13:15–13:45
Adaptive hypofractionated radiotherapy for elderly patients with locally advanced bladder cancer (LABC)
Dr Stephen Hatzis, MD, MD Anderson Cancer Center, Texas, USA

13:45–14:00
The promise and pitfalls of proton therapy
Dr Graham Collins, Imperial College Healthcare NHS Trust, London

14:00–14:15
Middlemiss lecture

RRC18 App
Exhibitors & Floorplan

Key info

Monday
Tuesday
Wednesday

Learning points and references are available on the RCR18 app

Colour denotes room on the floor plan – see page 35
Keep an eye on the RCR18 app for session and speaker changes

Monday afternoon
Monday afternoon

Radiology stream 3

15:10–15:35 Radiology and the duty of candour
Dr Giles Maskell, Royal Cornwall Hospitals NHS Trust

15:35–16:00 Safe and realistic consent in diagnostic and interventional radiology
Dr Ian Zealley, NHS Tayside, Dundee and Patient Safety Adviser, The Royal College of Radiologists

15:40–15:55 NHS Resolution: what happens with a claim?
Mrs Caroline Young, Assistant Technical Claims, NHS Resolution

15:55–16:20 How to stay out of trouble – an evidence-based guide for diagnostic radiologists
Dr Paul McCordable, North Bristol NHS Trust, and Human Factors Adviser, The Royal College of Radiologists

16:40–17:05 NHS Resolution: what happens with a claim?
Mrs Carole Young, Assistant Technical Claims Director, NHS Resolution

17:05–17:30 Defence unions: complaints, inquests, General Medical Council (GMC) referrals
Dr Caroline Fryar, Head of Advisory Services, The Medical Defence Union

17:30–17:55 How to stay out of trouble – an evidence-based guide for diagnostic radiologists
Dr Paul McCordable, North Bristol NHS Trust, and Human Factors Adviser, The Royal College of Radiologists

17:55–18:30 Hypothetical scenarios
Dr Ian Zealley, NHS Tayside, Dundee

Oncology stream

15:10–15:30 Magnetic resonance imaging (MRI) linac
Dr Ananya Choudhury, The Christie NHS Foundation Trust, Manchester

15:30–15:50 Stereotactic ablative radiotherapy (SABR) for oligometastatic disease
Dr Alison Tree, The Royal Marsden NHS Foundation Trust, Sutton

15:50–16:10 Proton therapy in prostate cancer
Dr Stephen Hahn, MD, MD Anderson Cancer Center, Texas, USA

16:40–18:30 Prostate radiotherapy outlining workshop

16:40–16:50 Standard prostate treatment

16:50–17:00 Focal boosting (for PIVOTAL boost)

17:00–17:10 Pelvic nodal radiotherapy (for PIVOTAL boost)

17:10–17:20 Postoperative radiotherapy
Led by Dr John Staffurth, Dr Elin Evans, Dr Alison Tree, Dr Julia Murray and Dr Isabel Syndikus

Trained workshop: Musculoskeletal (MSK) – trauma radiography and interpretation
Chair: Dr Neeraj Punthi

15:10–15:15 Foot and ankle
Dr Neeraj Punthi, University Hospital Southampton NHS Foundation Trust

15:15–15:20 Hand and wrist
Dr Sam Leach, Salisbury NHS Foundation Trust

15:20–15:25 Knee
Dr Ali Abbas, University College London Hospital

15:25–15:30 Orthopaedic metal work
Dr Neeraj Punthi, University Hospital Southampton NHS Foundation Trust

15:30–15:35 Quiz
Dr Chris Lord, University Hospital Southampton NHS Foundation Trust

16:40–18:30 Interactive workshops
Room 4B

British Society of Cardiovascular Imaging/British Society of Cardiovascular Computed Tomography (CT): Cardiac findings on thoracic CT for the non-specialist: the practical
Led by Dr James Shambrook, Dr Giles Roditi, Dr Michelle Williams, Dr Ben Holloway

17:10–18:30 This workshop will expand and develop themes addressed in the morning cardiac lecture programme. Reviewing the spectrum of cardiac pathology on thoracic CT and discussing the reporting of these findings.
Dr James Shambrook, Southampton University Hospitals NHS Foundation Trust
Dr Giles Roditi, NHS Greater Glasgow and Clyde
Dr Michelle Williams, NHS Lothian/University of Edinburgh
Dr Ben Holloway, University Hospitals Birmingham NHS Foundation Trust

Workshops
Room 4A

Trainee workshop: Everything a diagnostic imager needs to know about interventional radiology
Chair: Dr Rashid Akhtar

15:10–16:00 If you are interested in learning how to perform interventional radiology (IR) procedures, trying to improve your drainage/biopsy skills or interested in knowing how to report related cross-sectional imaging, this is the session for you. Follow a patient from their diagnostic scan, through to IR treatment and post treatment imaging. Come and be inspired!
Dr Rashid Akhtar, Barts Health NHS Trust, London
Dr Tim Fotheringham, Barts Health NHS Trust, London
Dr Debbie Lee, Barts Health NHS Trust, London
Dr Jimmy Kyaw Tun, Barts Health NHS Trust, London
Dr Rashid Akhtar, Barts Health NHS Trust, London
Dr Tim Fotheringham, Barts Health NHS Trust, London
Dr Debbie Lee, Barts Health NHS Trust, London
Dr Jimmy Kyaw Tun, Barts Health NHS Trust, London

Dr Rashid Akhtar, Barts Health NHS Trust, London
Dr Tim Fotheringham, Barts Health NHS Trust, London
Dr Debbie Lee, Barts Health NHS Trust, London
Dr Jimmy Kyaw Tun, Barts Health NHS Trust, London

Keep an eye on the RCR18 app for session and speaker changes
Tuesday overview

Morning sessions

08:30–10:30
- Pain in pregnancy
- Musculoskeletal (MSK) arthritis
- Impact of neoadjuvant chemotherapy in the treatment of breast cancer and managing the malignant axilla
- Pelvic re-irradiation

11:00–11:55
- Hall 1A: Main auditorium
  - The acute computed tomography (CT) quiz
  - Chair: Professor Mark Callaway
- Hall 1A: Main auditorium
  - RCR Annual General Meeting and College update

12:05–13:00
- Hall 1A: Main auditorium
  - The actute computed tomography (CT) quiz
  - Chair: Professor Mark Callaway
- Hall 1A: Main auditorium
  - RCR Annual General Meeting and College update

12:05–13:00
- Hall 1A: Main auditorium
  - The actute computed tomography (CT) quiz
  - Chair: Professor Mark Callaway
- Hall 1A: Main auditorium
  - RCR Annual General Meeting and College update

Afternoon sessions

13:10–13:45
- Hall 1A: Main auditorium
  - Why aren’t we reporting plain film?
  - Dr Ben Timmis, Medical Director, 4Ways Healthcare
- Hall 1A: Main auditorium
  - President’s lecture: Circadian rhythms, light and sleep – science to medicine
  - Professor Russell Foster, Head of Nuffield Laboratory of Ophthalmology, Oxford University Hospitals NHS Foundation Trust

14:00–14:45
- Hot topics
- Musculoskeletal (MSK): hot topics
- Head and neck
- Pelvic re-irradiation

15:00–16:10
- Hot topics
- Head and neck
- Pelvic re-irradiation

16:40–18:10
- Tea
- Pelvic re-irradiation
- CO and CR academic workshop: Optimising imaging for radiotherapy
- BSUR: Pearls and pitfalls of urogenital imaging
- BSTI: Lung cancer – nodules, nodes and knowing TNM 8
Tuesday morning

08:30–08:50 Pain in early pregnancy (including ectopic and torsion)
Dr Anne Marie Coady, Hull and East Yorkshire Hospitals NHS Trust
08:30–09:10 Pregnancy-related causes of abdominal pain (magnetic resonance of placenta/abruption, fibroid degeneration etc)
Dr Ute Rau, University of Muenster, UM Campus Muenster, Germany
09:10–09:30 Radiation protection in pregnancy
Dr Jeannette Kraft, Leeds Teaching Hospitals NHS Trust
09:30–09:50 Chest pain and suspected venous thromboembolism in pregnancy
Dr Andy Baskin, Great Western Hospitals NHS Foundation Trust, Swindon
09:50–10:10 Renal colic in pregnancy
Dr Mike Weston, Leeds Teaching Hospitals NHS Trust
10:10–10:30 Appendicitis and other gastrointestinal (GI) conditions in pregnancy
Dr Dominan Toda, Leeds Teaching Hospitals NHS Trust
10:30–10:50 Synovitis, acne, pustulosis, hyperostosis and osteitis (SAPHO) and chronic recurrent multifocal osteomyelitis (CRMO)
Professor James Teh, Oxford University Hospitals NHS Foundation Trust
10:50–11:10 The atlantoaxial joint in arthritis
Dr Muazaa Ahmad, Barts Health NHS Trust, London
11:00–11:20 Seronegative spondylarthrits
Dr Helen Marmery, Royal Free London NHS Trust
11:20–11:40 Enthesitis in arthritis
Dr Andrew Grainger, Leeds Teaching Hospitals NHS Trust
11:40–11:55 Panel discussion of cases
Professor Andoni Toms, Norfolk and Norwich University Hospitals NHS Foundation Trust, Swindon
11:50–12:10 Imaging overview of the breast
Professor Iain Lyburn, Gloucestershire Hospitals NHS Foundation Trust
12:10–12:30 Imaging overview of the axilla
Dr Nisha Sharma, Leeds Teaching Hospitals NHS Trust
12:30–12:45 Surgeical perspective
Miss Fiona MacNeill, Consultant Breast Surgeon, The Royal Marsden NHS Foundation Trust
12:45–12:50 Oncological perspective
Professor David Dowsett, Leeds Teaching Hospitals NHS Trust
12:50–13:10 Pathological perspective
Dr Abeer Shaaban, University Hospitals of Leicester NHS Trust

13:00–14:00 Lunch break

14:00–14:20 Imaging overview of the neck
Professor Richard Stephenson, University Hospitals of North Staffordshire NHS Foundation Trust
14:20–14:35 Imaging overview of the spine
Dr Ashok Adamas, Barts Health NHS Trust, London
14:35–14:50 Pelvic re-irradiation
Dr Thomas Simons, Royal Brompton and Harefield NHS Foundation Trust, London
14:50–15:05 Interactive workshops
Dr Ravi Lingam, London North West University Healthcare NHS Trust
15:05–15:20 Educational session
Dr Thomas Simons, Royal Brompton and Harefield NHS Foundation Trust, London
15:20–15:35 Educational session
Dr Abeer Shaaban, University Hospitals of Leicester NHS Trust
15:35–15:50 Educational session
Dr Ashok Adamas, Barts Health NHS Trust, London
15:50–16:05 Educational session
Dr Thomas Simons, Royal Brompton and Harefield NHS Foundation Trust, London
16:05–16:20 Educational session
Dr Abeer Shaaban, University Hospitals of Leicester NHS Trust
16:20–16:35 Educational session
Dr Ashok Adamas, Barts Health NHS Trust, London

16:40–17:00 Educational session
Dr Thomas Simons, Royal Brompton and Harefield NHS Foundation Trust, London
17:00–17:15 Educational session
Dr Abeer Shaaban, University Hospitals of Leicester NHS Trust
17:15–17:30 Educational session
Dr Ashok Adamas, Barts Health NHS Trust, London
17:30–17:45 Educational session
Dr Thomas Simons, Royal Brompton and Harefield NHS Foundation Trust, London
17:45–17:55 Educational session
Dr Abeer Shaaban, University Hospitals of Leicester NHS Trust
Room 13
Clinical oncology
Wormald professed paper presentations

13:10–13:20
Incidence of febrile neutropenia in docetaxel chemotherapy without prophylactic granulocyte-colony stimulating factor (GCSF) for metastatic prostate cancer
Dr Emily Rennison, Gloucestershire Hospitals NHS Foundation Trust

13:20–13:30
Can proton therapy offer a dosimetric advantage in difficult UK Commissioning through Evaluation (CtE) hepatocellular cancer stereotactic ablative radiotherapy (SABR) cases?
Ms Natalie Harrold, Physicist, The Christie Hospital NHS Foundation Trust, Manchester

13:30–13:40
High-dose-rate brachytherapy as a salvage treatment for locally recurrent prostate cancer after primary radiotherapy
Dr Hannah Tharmalingam, East and North Hertfordshire NHS Trust

13:40–13:50
New cancer follow-up models: implementing shared community follow-up through patient-reported outcome measures (PROMs)
Dr Hannah Tharmalingam, East and North Hertfordshire NHS Trust

Hall 1A: Main auditorium

4Ways lunchtime symposium

13:15–13:45
Why aren't we reporting plain film?
Dr Ben Timmis, Medical Director, 4Ways Healthcare

Hall 1A: Main auditorium

President's lecture

14:00–14:45
Circadian rhythms, light and sleep – science to medicine
Professor Russell Foster, Head of Nuffield Laboratory of Ophthalmology, Oxford University Hospitals NHS Foundation Trust

Radiology stream 1
Hall 1B: Lecture theatre

Musculoskeletal (MSK) hot topics
Chair: Dr Caroline Rubin

15:00–15:15
Advances in grading muscle injury
Dr Steven James, The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham

15:15–15:30
Imaging of the postoperative hip
Dr Amanda Isaac, Guy’s and St Thomas’ NHS Foundation Trust and King’s College London

15:30–15:45
Applications of musculoskeletal single photon emission-computed tomography (SPECT-CT)
Dr Bhavin Upadhyay, Royal National Orthopaedic Hospital, London

15:45–16:00
Consent for guided procedures
Dr David Silver, Royal Devon and Exeter NHS Foundation Trust

16:40–16:55
Pitfalls in magnetic resonance imaging (MRI) of inflammatory spondyloarthropathy
Dr Tom Marshall, Norfolk and Norwich University Hospitals NHS Foundation Trust

16:55–17:10
Advances in staging myeloma
Dr Tom Marshall, Norfolk and Norwich University Hospitals NHS Foundation Trust

17:10–17:25
Footprint metatarsalgia – usual and unusual culprits
Dr Shah Khan, East Lancashire Hospitals NHS Trust

17:25–17:40
Anterior cruciate ligament (ACL) injury and postoperative imaging
Dr Gajan Rajeswaran, University College London Hospitals NHS Foundation Trust

17:40–17:55
Imaging the diabetic foot
Dr Rumana Hossain, Basildon and Thurrock University Hospitals NHS Foundation Trust

Hot topics (continued)

14:00–14:45
Hot topics

15:00–16:10
24/7 stroke thrombectomy service and developing a credential for delivery of stroke thrombectomy
Dr Andy Collins, St George’s University Hospitals NHS Foundation Trust, London
Dr William Ramdass, Leeds Teaching Hospitals NHS Trust

Dr Emily Rennison, Gloucestershire Hospitals NHS Foundation Trust

Dr Hannah Tharmalingam, East and North Hertfordshire NHS Trust

Dr Ben Timmis, Medical Director, 4Ways Healthcare

Dr Steven James, The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham

Dr Amanda Isaac, Guy’s and St Thomas’ NHS Foundation Trust and King’s College London

Dr Bhavin Upadhyay, Royal National Orthopaedic Hospital, London

Dr David Silver, Royal Devon and Exeter NHS Foundation Trust

Dr Tom Marshall, Norfolk and Norwich University Hospitals NHS Foundation Trust

Dr Tom Marshall, Norfolk and Norwich University Hospitals NHS Foundation Trust

Dr Shah Khan, East Lancashire Hospitals NHS Trust

Dr Gajan Rajeswaran, University College London Hospitals NHS Foundation Trust

Dr Rumana Hossain, Basildon and Thurrock University Hospitals NHS Foundation Trust

Team working
Dr Paul McCoubrie, North Bristol NHS Trust and Human Factors Adviser, The Royal College of Radiologists

British Medical Association (BMA) contract update
Dr Anne Carson, Radiology Lead, British Medical Association Consultants Contracts Committee and Chair of Northern Ireland Consultants Committee

Artificial intelligence debate
Dr Hugh Haney, The Royal College of Radiologists’ Artificial Intelligence Working Group

Advances in grading muscle injury
Dr Steven James, The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham

Imaging of the postoperative hip
Dr Amanda Isaac, Guy’s and St Thomas’ NHS Foundation Trust and King’s College London

Applications of musculoskeletal single photon emission-computed tomography (SPECT-CT)
Dr Bhavin Upadhyay, Royal National Orthopaedic Hospital, London

Consent for guided procedures
Dr David Silver, Royal Devon and Exeter NHS Foundation Trust

Pitfalls in magnetic resonance imaging (MRI) of inflammatory spondyloarthropathy
Dr Tom Marshall, Norfolk and Norwich University Hospitals NHS Foundation Trust

Advances in staging myeloma
Dr Charles Hossain, University College London Hospitals NHS Foundation Trust

Footprint metatarsalgia – usual and unusual culprits
Dr Shah Khan, East Lancashire Hospitals NHS Trust

Anterior cruciate ligament (ACL) injury and postoperative imaging
Dr Gajan Rajeswaran, University College London Hospitals NHS Foundation Trust

Imaging the diabetic foot
Dr Rumana Hossain, Basildon and Thurrock University Hospitals NHS Foundation Trust

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Dr Steven James, The Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham

Dr Amanda Isaac, Guy’s and St Thomas’ NHS Foundation Trust and King’s College London

Dr Bhavin Upadhyay, Royal National Orthopaedic Hospital, London

Dr David Silver, Royal Devon and Exeter NHS Foundation Trust

Dr Tom Marshall, Norfolk and Norwich University Hospitals NHS Foundation Trust

Dr Shah Khan, East Lancashire Hospitals NHS Trust

Dr Gajan Rajeswaran, University College London Hospitals NHS Foundation Trust

Dr Rumana Hossain, Basildon and Thurrock University Hospitals NHS Foundation Trust
## Wednesday overview

### Morning sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-10:30</td>
<td>What to do next ... above the diaphragm</td>
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<tr>
<td>10:30-12:30</td>
<td>What to do next ... above the diaphragm</td>
</tr>
</tbody>
</table>

### Afternoon sessions

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
<tbody>
<tr>
<td>13:30-14:15</td>
<td>Hall 1A: Couch Kerley lecture. Artificial intelligence-enhanced ultrasound. Professor Alison Noble OBE, Techknos Professor of Biomedical Engineering, University of Oxford. It’s not about errors – it’s about learning. Meeting closes.</td>
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</tbody>
</table>

### Radiology stream 1

- Hall 1A: Main auditorium
  - Radiology stream 1
  - Registration: 08:00–08:20
  - Coffee: 10:00–10:30
  - E-poster presentations (Room 13): 13:00–14:15
  - Lunch: 13:00–14:15
  - Room 13
  - Clinical radiology: George and Vera Ansell proffered paper presentations

### Radiology stream 2

- Hall 1B: Lecture theatre
  - Oncology and intervention
  - Post-mortem and forensic imaging
  - Lower gastrointestinal (GI)
  - Developing educators in oncology and radiology
  - SSBR: Incidental bone lesions: work-up and management
  - BSSR: Breast imaging workshop

### Radiology stream 3

- Hall 1C: Lecture theatre
  - Post-mortem and forensic imaging
  - Lower gastrointestinal (GI)
  - SSBR: Incidental bone lesions: work-up and management
  - BSSR: Breast imaging workshop

### Oncology stream

- Room 12
  - Lower gastrointestinal (GI)
  - Rectal cancer radiotherapy outlining workshop

### Workshops

- Room 4A
  - Developing educators in oncology and radiology
  - BSSR: Incidental bone lesions: work-up and management

### Interactive workshops

- Room 4B
  - SSBR: Breast imaging workshop
  - BSSR: Incidental bone lesions: work-up and management

### Don’t forget to:

- Check out this year’s e-poster competitions on the app, the website or on the screens around the conference
- View the winning posters in the main foyer
- Visit the exhibition and speak to all the sponsors
- Visit the College stand and find out how you can get involved
- Keep an eye on the RCR CPD library to view the lectures you may not have had time to see
- Visit the KaiZen stand to learn more about the RCR’s new eportfolio

Keep an eye on the RCR18 app for session and speaker changes. Colour denotes room on the floor plan – see page 35. Learning points and references are available on the RCR18 app.
Radiology stream 3
Hall 1C: Lecture theatre
Post-mortem and forensic imaging
Chair: Dr Siobhan McLaughlin
08:30–09:00 The birth of virtopsy
Professor Michael Thali, University of Zurich Institute of Forensic Medicine Management, Switzerland
09:00–09:30 Post-mortem imaging and ascertaining cause of death
Professor Bruno Morgan, University Hospital of Leicester NHS Foundation Trust
09:30–10:00 Post-mortem imaging in mass disaster
Miss Claire Robinson, Advanced Practitioner Forensic Imaging, University Hospitals of Leicester NHS Trust
10:30–11:00 Post-mortem computed tomography (CT) and the armed forces
Colonel Iain Gibb RAMC, Ministry of Defence
11:00–11:30 Paediatric forensic imaging
Dr Owen Arthurs, Great Ormond Street Hospital for Children NHS Foundation Trust, London
11:30–12:00 Post-mortem CT: the Edinburgh experience
Dr Siobhan McLaughlin, NHS Lothian, Edinburgh
12:00–12:30 Ask the panel

Oncology stream Room 12
Lower gastrointestinal (GI)
Chair: Professor David Sebag-Montefiore
08:30–09:00 Investigating suspected chest infection in febrile neutropaenia
Dr Anna Sharman, Manchester University NHS Foundation Trust
09:00–09:30 Investigating a unilateral pleural effusion
Dr Sue Kearney, Lancashire Teaching Hospitals NHS Trust
09:30–10:00 Management of subsolid pulmonary nodules
Dr Arjun Naik, Guy’s and St Thomas’ NHS Foundation Trust, London
10:30–11:00 How I approach enlarged ventricles
Dr David Summers, NHS Lothian, Edinburgh
11:00–11:30 White matter disease in adults: a pragmatic approach
Professor Daniel Birchall, Newcastle upon Tyne Hospitals NHS Foundation Trust
11:30–12:00 How I approach the palpable middle ear
Dr Steve Bone, King’s College Hospital NHS Foundation Trust, London
12:00–12:30 Panel discussion
08:30–09:00 Investigating suspected chest infection in febrile neutropaenia
Dr Anna Sharman, Manchester University NHS Foundation Trust
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Professor Daniel Birchall, Newcastle upon Tyne Hospitals NHS Foundation Trust
11:30–12:00 How I approach the palpable middle ear
Dr Steve Bone, King’s College Hospital NHS Foundation Trust, London
12:00–12:30 Panel discussion
10:30–11:10 Difficult and challenging cases I
Professor Maria Hawkins, Cancer Research UK and Medical Research Council, Oxford Institute for Radiation Oncology, University of Oxford
11:10–11:50 Difficult and challenging cases II
Dr Mark Harrison, The Hillingdon Hospitals NHS Foundation Trust, Northwood
11:50–12:30 Stratified medicine for rectal cancer
Dr Tim Maughan, Cancer Research UK and Medical Research Council, Oxford Institute for Radiation Oncology, University of Oxford
12:30–13:00 Ask the panel
10:30–11:00 Post-mortem computed tomography (CT) and the armed forces
Colonel Iain Gibb RAMC, Ministry of Defence
11:00–11:30 Pancreatic forensic imaging
Dr Owen Arthurs, Great Ormond Street Hospital for Children NHS Foundation Trust, London
11:30–12:00 Post-mortem CT: the Edinburgh experience
Dr Siobhan McLaughlin, NHS Lothian, Edinburgh
12:00–12:30 Ask the panel

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Colour denotes room on the floor plan – see page 35
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Keep an eye on the RCR18 app for session and speaker changes
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Learning points and references are available on the RCR18 app
## Workshops Room 4A
### Developing educators in oncology and radiology
**Chair:** Dr Pat Set

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30–08:40</td>
<td>Curriculum development – what needs to be considered?</td>
<td>Dr Ganesh RathaRishna, The Christie NHS Foundation Trust, Manchester</td>
</tr>
<tr>
<td>08:40–08:50</td>
<td>Delivering an undergraduate radiology curriculum</td>
<td>Dr Malcolm Johnston, Worthing and Southlands Hospitals NHS Trust</td>
</tr>
<tr>
<td>08:50–09:00</td>
<td>Assessments in medical education and their relative merits</td>
<td>Dr Seamus McAlree, Queen's University, Belfast</td>
</tr>
<tr>
<td>09:00–09:10</td>
<td>The FRCR 2A synoptic examinations – data from the first year’s course</td>
<td>Dr Dan Connolly, Sheffield Teaching Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>09:10–09:20</td>
<td>Postgraduate certificate for medical education – my journey</td>
<td>Dr Tim Sadler, Cambridge University Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>09:25–09:40</td>
<td>Masters in medical education – what I did</td>
<td>Dr Andrea Stevens, University Hospitals Birmingham NHS Foundation Trust</td>
</tr>
<tr>
<td>09:40–09:50</td>
<td>The FRCR 2A synoptic examinations – data from the first year’s course</td>
<td>Dr Fiona Daley, Cambridge University Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>09:50–10:10</td>
<td>The FRCR 2A synoptic examinations – data from the first year’s course</td>
<td>Dr Seamus McAlree, Queen's University, Belfast</td>
</tr>
<tr>
<td>10:10–10:20</td>
<td>Doctorate in medical education – why I did it</td>
<td>Dr William Rodiek, Leeds Teaching Hospitals NHS Trust</td>
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## Workshops Room 4A
### British Society of Skeletal Radiologists: Incidental bone lesions: work-up and management
**Chair:** Dr Bernhard Tins

<table>
<thead>
<tr>
<th>Time</th>
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<th>Speaker(s)</th>
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<tbody>
<tr>
<td>10:30–10:50</td>
<td>Soft tissue lesions: diagnosis and management</td>
<td>Dr Geoff Hide, Newcastle upon Tyne Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>10:50–11:10</td>
<td>Cartilage lesions: diagnosis and management</td>
<td>Dr Rajesh Botche, Royal Orthopaedic Hospital, Birmingham</td>
</tr>
<tr>
<td>11:10–11:30</td>
<td>Suspected primary bone lesions: diagnosis and management</td>
<td>Dr Panny Masure, Oxford University Hospital NHS Foundation Trust</td>
</tr>
<tr>
<td>11:30–11:50</td>
<td>Suspected secondary bone lesions: diagnosis and management</td>
<td>Dr Michele Carabba, Royal National Orthopaedic Hospital NHS Trust, London</td>
</tr>
<tr>
<td>11:50–12:10</td>
<td>Bone marrow lesions: diagnosis and management</td>
<td>Dr Bernhard Tins, Robert Jones and Aignis Hunt Orthopaedic Hospital NHS Foundation Trust, Oswestry</td>
</tr>
<tr>
<td>12:10–12:30</td>
<td>Pilloids in diagnosing bone lesions</td>
<td>Dr Asimajit Singh, Robert Jones and Aignis Hunt Orthopaedic Hospital NHS Foundation Trust, Oswestry</td>
</tr>
</tbody>
</table>

## Workshops Room 4A
### British Society of Breast Radiology: Breast imaging workshop
**Led by:** Dr Nisha Sharma

<table>
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<tr>
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<tbody>
<tr>
<td>08:30–09:00</td>
<td>Which cohort of women should have a staging computed tomography (CT) scan when diagnosed with breast cancer?</td>
<td>Professor Iain Lyburn, Gloucestershire Hospitals NHS Foundation Trust</td>
</tr>
<tr>
<td>09:00–09:30</td>
<td>Is staging of the axilla still clinically relevant in this modern era?</td>
<td>Miss Karina Cree, Consultant Breast and Oncoplastic Surgeon, Maidstone and Tunbridge Wells NHS Trust</td>
</tr>
<tr>
<td>09:30–10:00</td>
<td>An update on image-guided biopsy techniques and future impact</td>
<td>Dr Eleanor Cormell, Gloucestershire Hospitals NHS Foundation Trust</td>
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</tbody>
</table>

## Workshops Room 4A
### British Society of Gastrointestinal and Abdominal Radiology: Emergency abdominal computed tomography (CT) workshop
**Led by:** Dr Ian Zealley

<table>
<thead>
<tr>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>10:30–12:30</td>
<td>A workshop highlighting extracts from the full-day BSGAR emergency abdominal CT workshop. In addition to some short talks, delegates will spend the majority of the time sitting in pairs at Osirix workstations reviewing a series of cases. Expert faculty will visit delegates at the workstations and talk through various features.</td>
<td>Dr Ian Zealley, NHS Tayside, Dundee; Dr James Stephenson, University Hospitals of Leicester NHS Trust</td>
</tr>
</tbody>
</table>
Room 13
Clinical radiology
Georges and Vera Ansell
proffered paper presentations

12:40–12:50 Simple practical measures to evaluate hepatic steatosis using T1 in-phase and out-of-phase imaging of the liver
Dr Wee Haan Pang, University Hospitals Coventry and Warwickshire NHS Trust

12:50–12:55 A retrospective analysis of the impact of indirect lower limb venography in the diagnosis of venous thromboembolism
Dr John Ferris, Leeds Teaching Hospitals NHS Trust

13:00–13:10 The patient safety implications of excessive dilator use
Dr Thomas Strange, Portsmouth Hospitals NHS Trust

13:10–13:20 Living up to the PROMIS: a comparison study of multiparametric-magnetic resonance imaging (MP-MRI) versus prostate biopsy
Dr Jon Smith, Leeds Teaching Hospitals NHS Trust

Hall 1A: Main auditorium
Couch Kerley lecture
Radiology stream 1
Hall 1A: Main auditorium
It’s not about errors – it’s about learning
Chair: Dr Jon Smith

13:30–13:45 Artificial intelligence-enhanced ultrasound imaging
Professor Alison Noble OBE, Technics Professor of Biomedical Engineering, University of Oxford

13:45–13:55 Learning how to start – turning the discrepancy meeting into an educational cases meeting
Dr Jon Smith, Leeds Teaching Hospitals NHS Trust

13:55–14:10 Learning from experience – the first 628 educational cases in Leeds
Dr Andrew Keo, Leeds Teaching Hospitals NHS Trust

14:10–14:30 Learning from each other – can effective teams and leaders result in improved patient outcomes?
Dr Matthew Tseuhtsul, North Tees and Hartlepool NHS Foundation Trust

14:30–14:50 Learning from common mistakes: missed lung cancers
Dr Mike Darby, Leeds Teaching Hospitals NHS Trust

14:50–15:05 Learning from common mistakes: missed incidental significant findings on cross-sectional imaging
Dr James Stephenson, University Hospitals of Leicester NHS Trust

15:05–15:20 Learning from common mistakes: missed fractures
Dr Dominic Barron, Leeds Teaching Hospitals NHS Trust

15:20–15:40 Panel discussion

Radiology stream 2
Hall 1B: Lecture theatre
Advanced imaging – science to practice
Chair: Professor Andy Scarsbrook

13:30–13:55 Recent advances in magnetic resonance (MR) technology
Dr Simon Walker-Saimir, University College London Hospitals NHS Foundation Trust

13:55–14:20 Incorporating advanced MR applications into routine clinical practice
Dr Shonit Punwani, University College London Hospitals NHS Foundation Trust

14:20–14:30 Questions and answers on MR advances

14:30–14:55 Recent advances in computed tomography (CT) technology
Dr Gareth Iball, Leeds Teaching Hospitals NHS Trust

14:55–15:20 Incorporating advanced CT applications into routine clinical practice
Dr Damian Tolan, Leeds Teaching Hospitals NHS Trust

15:20–15:30 Questions and answers on CT advances

15:30–15:55 Textural analysis of CT and MR data – ready for routine clinical use?
Dr Balaji Ganeshan, University College London Hospitals NHS Foundation Trust

15:55–16:10 Questions and answers on textural analysis

Radiology stream 3
Hall 1C: Lecture theatre
On-call: neuro
Chair: Professor Daniel Birchall

13:30–14:00 Update in brain tumour imaging
Dr Samantha Mills, The Walton Centre NHS Foundation Trust, Liverpool

14:00–14:15 Central nervous system (CNS) infections: old and emerging
Dr Harriet Joy, University Hospital Southampton NHS Foundation Trust

14:15–14:30 Imaging of acute ischaemic stroke
Dr Rohit Bhatia, Salford Royal NHS Foundation Trust

14:30–14:45 How to evaluate intracranial mass lesions
Dr Pieter Pretorius, Oxford University Hospitals NHS Foundation Trust

14:45–15:00 Errors in neuroradiology
Professor Daniel Birchall, Newcastle upon Tyne Hospitals NHS Foundation Trust
Wednesday afternoon
Continued

Oncology stream
Room 12
Rectal cancer radiotherapy outlining workshop

14:30–17:00
Led by: Professor David Sebag-Montefiore, Dr Mark Harrison and Professor Maria Hawkins

Workshops
Room 4A
British Medical Ultrasound Society: On-call and acute ultrasound – a survival guide
Chair: Dr Peter Cantin

14:30–15:00
Acute ultrasound in the paediatric patient
Dr Jude Foster, Plymouth Hospitals NHS Trust

15:00–15:30
Ultrasound in acute pelvic pain
Dr Peter Cantin, Plymouth Hospitals NHS Trust

15:30–16:00
Acute renal ultrasound
Dr Sarah Hamilton, Plymouth Hospitals NHS Trust

16:00–16:30
Acute scrotal ultrasound
Dr Jane Belfield, Royal Liverpool and Broadgreen University Hospitals NHS Trust

16:30–17:00
Acute ultrasound of the liver, pancreas and biliary tree
Dr Asra Omar, Plymouth Hospitals NHS Trust