Morning sessions A:

**UKRO opening session**
Chair: Angela Baker, President, UKRO, UK and Andy Beavis, Consultant Medical Physicist and Head of Radiation Physics, Hull and East Yorkshire NHS Hospitals Trust, UK
Choosing the right treatment for the right patient at the right time - Anthony Zielman, Radiation Oncologist, Massachusetts General Hospital, USA
The #fellomymamies story - through adversity comes legacy - Chris Pointon, Co-founder & Global Campaign Ambassador, hellomynamies.org.uk, UK

**Around the hip in 80 minutes**
Chair: Rowena Johnson, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK
Anatomy of the groin and the PLAC - Adam Mitchell, Consultant Radiologist, Fortis Clinic, UK
Intra-articular hip abnormalities - Rajat Chowdhury, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK
Extra-articular hip abnormalities - Gajan Rajeswaran, Consultant Musculoskeletal Radiologist, Fortis Clinic, UK
Hip imaging: What the surgeon wants to know - Marcus Bankas, Consultant Orthopaedic Surgeon, Guy's Hospital and Fortis Clinic, London, UK

**Service optimisation and QA proffered papers**
Chair: Nicholas Wozniata, Clinical Academic Reporting Radiographer, Hamorton University Hospital NHS Foundation Trust, UK
Assuring a representative research sample: Importance of evaluating the demographics of those who decline to participate in research - Craig Roe, CT Advanced Practitioner, Leeds Teaching Hospitals NHS Trust, UK
Impact of a radiographer led teleradiology hot-reporting service on an emergency department missed-fracture rate - Paul Simpson, Advanced Practitioner, City Hospitals Sunderland NHS Foundation Trust, UK
Radiological assessment of nasogastric tube position - a quality improvement project - Naomi Fenton, ST3 Radiology Registrar, North Bristol NHS Trust, UK
How do patients prefer to receive their radiology results in the 21st century? - Amritha Aith, Sunderland Royal Hospital, UK
Report requirements for specialist non-medical referrers requesting MRI - Darren Hudson, MFR Clinical Lead, In-Health, UK
The accuracy of three-dimensional computed tomography imaging using different scanning protocols - Rob Stroud, Medical Student, Warwick Medical School, UK
Evaluation of occupational exposure from electromagnetic field radiation on mobile magnetic resonance imaging units - Ana Filipa Sousa, Lead Mobile MRI Radiographer (SE), In-Health, UK

**The new regulations**
Chair: Graham Hart, RPA/LPA, Your RPA, UK
IRR2017 - Andrew Davies, Specialist Inspector (Radiation), Health and Safety Executive, UK
IRMER 2017 - Gail Woodhouse, Senior Clinical Diagnostic Officer, Medical Exposures Group, Public Health England, UK
Discussion

**Imaging in heart muscle disease**
Chair: Hafid Mansoubk, Clinical Director and Consultant Radiologist, Western Sussex Hospitals NHS Foundation Trust, UK
Echo in cardiomyopathy - Lynne Williams, Consultant Cardiologist, Royal Papworth Hospital, UK
CMR of non-ischaemic cardiomyopathy - Bobby Agarwal, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK
CMR of ischaemic cardiomyopathy - Vass Vassilou, Cardiology Consultant, West Suffolk & Royal Brompton Hospitals, UK
PET CMR in cardiomyopathy - Simon Mann, Institute of Nuclear Medicine, University College London Hospitals, UK

**An update on prostate cancer diagnosis**
Chair: Jane Belfield, Lead Radiologist for Urology, Clinical Director, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK
Prostate cancer diagnosis - a changing paradigm - Hashem Ahmed, Chair in Urology (Clinical), Imperial College London, UK
Developing and maintaining a prostate MRI service - Tristan Barrett, Consultant Radiologist, University of Cambridge, UK
Contrast controversies in prostate MRI: Biparametric or multiparametric? - Jonathan Richenberg, Consultant Radiologist, Royal Sussex County Hospital, Brighton, UK

**History and proffered papers**
Chair: Nicholas Wozniata, Clinical Academic Reporting Radiographer, Hamorton University Hospital NHS Foundation Trust, UK
British mobile X-ray units in WWII - Francis Duck, Visiting Professor, University of Bath, UK
William Hampson (1854-1926): An early radiologist from the far left - Francis Duck, Visiting Professor, University of Bath, UK
Ian Donald and the 60th anniversary of his classic paper on ultrasound - Arpan Banerjee, Consultant Radiologist, Birmingham Heartlands Hospital, UK
Eponymous signs in plain film reporting - who were the eponymists? - Arpan Banerjee, Consultant Radiologist, Birmingham Heartlands Hospital, UK
Panel discussion

**Cybersecurity**
Chair: Florian Mallk, Consultant Radiologist, Royal Bolton Hospital, UK
Cybersecurity: It's an IT perspective - Brett Walmsley, Chief Technology Officer, Royal Bolton Hospital, UK
Cybersecurity: A clinical perspective - Saj Ahmed, Founding Partner, Medical Director, Health IT Strategist, Cybersecurity Specialist, AbedGraham Healthcare Strategies, UK
Cybersecurity: A supplier perspective - Andreas Ehrlund, Security Architect, Sectra, Sweden
Panel discussion: Working together towards safe and efficient working practices
MONDAY 2 JULY

09.00 EXHIBITION OPENS

From 09.00 Refreshments poster viewing, demo sessions and education on the stands

10.10 – 11.10 JOINT UKRCo PLENARY SESSION

Extremes disaster response - Kavin Fong, Consultant Anaesthetist, University College London Hospitals, Honorary Senior Lecturer in Physiology and Founder and Associate Director of the Centre for Altitude, Space and Extreme Environment Medicine, University College London Hospitals, UK

Imaging in a war zone - Richard Miles, Surgeon Commander, Plymouth Hospitals NHS Trust, UK

11.20 – 12.10 DEMO ZONE SESSION

The National Osteoporosis Society

Influential incidents - vertebral fracture in CT - Jill Griffin, Consultant Practitioner, Plymouth Hospitals NHS Trust, Derriford Hospital, UK

Facilitator: David Gay, MSK - Ultrasound, UKRC, Programme Committee, UK

Hands-on demonstration sessions with live models in the exhibition hall

11.30 – 12.50 EXHIBITION SESSION

Immunotherapy and radiotherapy combinations

Cancer immunotherapy for beginners - the rationale for RT and immunotherapy combinations - John Conibear, Consultant Oncologist, St. Bartholomew’s Hospital, UK

Combining radiotherapy with immunotherapy: Focus on immunocytokines - Philippe Lambin, Clinician and Radiation Oncologist, Maastricht University, The Netherlands

RT and immunotherapy trials - the UK portfolio - Fiona McDonald, Consultant Clinical Oncologist, The Royal Marsden NHS Foundation Trust, UK

Emergency head and spine imaging

The normal CT head - or is it? - Lalani Carlton Jones, Consultant Neuroradiologist, Guy’s and St Thomas’ NHS Trust and King’s College Hospital NHS Foundation Trust, UK

Essentials of spine trauma from C1 to sacrum - Lisa Meacock, Consultant Radiologist, King’s College Hospital NHS Foundation Trust, UK

Intelligent workflow in radiology

Chair: Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK

Paperless working in radiology - Stephen Fann, Consultant Radiologist, Hampshire Hospitals NHS Foundation Trust, UK

Workflow Innovations in radiology information systems - Brian Ellwood, Product Manager, Soliton IT, UK

Cardiac CT beyond the coronary arteries

Chair: Charles Peto, Consultant Radiologist, University Hospital Southampton NHS Foundation Trust, UK

Dose reduction techniques - Hatef Mansoubi, Consultant Radiologist, Western Sussex Hospitals NHS Foundation Trust, UK

Cardiac CT: Beyond the coronaries - Sumit Karia, Consultant Radiologist, University Hospital Southampton NHS Foundation Trust, UK

Dual energy cardiac and pulmonary CT - Michelle Williams, Clinical Lecturer in Cardiothoracic Radiology, The University of Edinburgh, UK

Cardiac PET CT - David Newby, Personal Chair - BHF John Wheatley Chair of Cardiology, The University of Edinburgh, UK

Prostate MRI workshop

Facilitators:
  • Amit Patel, Consultant Radiologist, Lister Hospital, UK
  • Tristan Barnett, Consultant Radiologist, University of Cambridge, UK
  • Jonathan Richenberg, Consultant Radiologist, Royal Sussex County Hospital, Brighton, UK
  • Uday Patel, Consultant Radiologist, St George’s University Hospitals NHS Foundation Trust, UK

Children are not small adults

Chair: Samantha Negus, Paediatric Radiologist, St George’s University Hospitals NHS Foundation Trust, UK

Approaches for autism/learning difficulties and radiography - Emma McDonough, Lead Radiographer, Alder Hey Children’s NHS Foundation Trust, UK

Mock multidisciplinary meeting

• Tamara Suaris, Consultant, St Bartholomew’s Hospital, London, UK
• Sarah Vinnicombe, Clinical Senior Lecturer and Honorary Consultant Radiologist, Ninewells Hospital and Medical School, UK
• Anne-Marie Culpan, Project Director & Clinical Adviser, Health Education England, UK
• Laura Johnson, Consultant Oncoplastic and Reconstructive Breast Surgeon, St Bartholomew’s Hospital, London, UK

Continued

Business intelligence applications for radiology - Philip Brennink, Product Strategy Manager, Wellbeing Software Group, UK

Integrating radiology IT to improve services between partner NHS organisations - Daniel Fascia, Consultant Radiologist & Clinical Lead, Yorkshire Imaging Collaborative, UK
From 12.00 Lunch, exhibition and education on the stands

13.20 – 13.35 DEMO ZONE SESSION
Everlight Radiology
Radiologist job opportunities with Everlight in Australia and New Zealand
Dr Robin Evans, Clinical Director UK, Everlight Radiology

13.10 - 14.10 EXHIBITION SESSION

Varian Medical Systems symposium
From concept to clinical reality: Development of a new radiotherapy service embracing advanced imaging in TrueBeam 2.7 and supported by Varian Consultancy - Andrew J Reilly, Head of Radiotherapy Physics, North West Cancer Center, UK
Transformer Cancer Care - Kevin Massoudi, Program Lead, Digital Health EMEIA, Varian Medical Systems, UK

13.20 – 14.20 SOCIETY KEYNOTE LECTURES
BIR/Canon Mayneord Award
The natural history of colorectal neoplasia - Perry Pickhardt, Gastrointestinal Radiologist, Wisconsin-Madison, USA
COR William Stripp Memorial Lecture
Contrasting views: Un-enhanced magnetic resonance imaging of synovitis - Carole Burnett, Lead Radiographer for Imaging of Synovitis, University of Leeds, UK
Visiting Research Fellow, Leeds Biomedical Research Unit, LIRMM, Research and Innovation, Leeds Teaching Hospitals NHS Trust; Visiting Research Fellow, Leeds Biomedical Research Unit, LIRMM, University of Leeds, UK

13.30 – 14.00 EXHIBITION SESSION

Everlight
Materialise
Size Matters! How to make PACS images scalable for orthopaedic pre op planning - Grant Shaw, Orthopaedic Surgeon, Queen Alexandra Hospital, Portsmouth, UK

13.50 – 14.20 DEMO ZONE SESSION

Change Healthcare
Image based AI: Importance of robust clinical validation - Patrick McLaughlin, Senior Vice President and Chief Medical Officer, Imaging, Workflow and Care Solutions, Change Healthcare, UK

14.00 – 15.20 EXHIBITION SESSION

Change Healthcare
Hands-on demonstration sessions with live models in the exhibition hall

Radiation protection and dose proffered papers
Chair: John Kotre, Treasurer, ROC Events Ltd, UK
Use of a Digitally Reconstructed Radiograph (DRR) based computer simulation for optimisation of tube voltage for chest imaging using a Digital Radiography (DR) system - Craig Moore, Clinical Scientist, Hull & East Yorkshire Hospitals NHS Trust, UK
Optimisation of neonatal radiology - Belinda Gorell, Clinical Scientist, Radiation Protection Service Cardiff, UK
A comparative study to evaluate radiation dose and image quality for neonate and adult chest radiography among several diagnostic radiography X-ray units - Sadeq Al-Murshedi, PhD Student, Salford University, UK
Are we fatter when flatter? A prospective cohort study exploring technique change in pelvic radiography - Kevin Flintham, Advanced Radiographer Practitioner, The Mid Yorkshire Hospitals NHS Trust, UK
Construction and implementation of a low cost paediatric pelvic imaging phantom for dose optimisation studies - Ali Mohammed Ali, PhD Student, University of Salford, UK
Focused CTPA: Dramatic dose reduction is achievable using a restricted field of view - Amy Greenwood, Radiology Registrar, Cheltenham General Hospital, UK
Foundation doctors’ knowledge of radiation legislation and exposure: A completed audit cycle - Sadeq Al-Murshedi, PhD Student, Salford University, UK
ASRT exchange lecture: On-table treatment of patients in MR-guided radiotherapy: 4 Years of clinical implementation - Erin Wittland, Advanced Practice RT(T), Barnes Jewish Hospital and Washington University and Siteman Cancer Center, UK

11.50 – 13.10 EXHIBITION SESSION

Artificial and augmented intelligence: An introduction
Chair: Mary Ann Hardy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK
What are artificial intelligence and intelligence augmentation? - Mark O’Herlihy, Managing Director EMEA, IBM Watson Health, UK
Can artificial and augmented intelligence improve radiology workflow efficiencies, diagnostic accuracy and patient outcomes? - Michael Perkuhn, Business Leader, IntelliSpace Discovery Philips, UK
The informed patient – AI and self-diagnosis: A possibility or science fiction? - Navin Ramachandran, Radiologist, University College London Hospitals, UK
Panel discussion

11.50 – 13.10 EXHIBITION SESSION

Paediatrics
Room 11B

Continued
Making a safe environment - immobilisation and safe holding implications for radiographers/radiology - Harry Bliss, Lecturer in Diagnostic Radiography, London, UK
Melatonin for MRI - Mary Pine, Superintendent Radiographer, NHS Greater Glasgow and Clyde, UK
The trouble with teens……. - Andrea Hulme, Lead General Radiographer, Royal Manchester Children’s Hospital, UK
**MONDAY 2 JULY**

### Afternoon sessions C:

**C1**
**UKRO**
**ROOM 11A**
**Breast**

### Patient and Public Involvement (PPI)

**PPI, using it properly, patient engagement**
- Jane Maher, Chief Medical Officer, Macmillan Cancer Support, UK

How social media research can contribute to improving the care and support of radiotherapy patients
- Kim Meeking, Radiotherapy Research Advanced Practitioner, University Hospital Southampton NHS Foundation Trust, UK

Examples of using PPI to influence and drive change
- Darryl Bell, Specialist Advisor Treatment and Recovery, Macmillan Treatment and Recovery, UK

**Proffered papers**

Evaluations on the clinical effectiveness of a bespoke prostate PROMS baseline questionnaire
- Gagan Chetryawarana, Urology Advanced Practitioner, Mount Vernon Cancer Centre, UK

Turning the corner: A mixed-methods investigation of the radiotherapy information needs of GPs
- Kelsey Normand, Senior Therapist Radiographer, NHS Lothian, UK

### Test yourself: Code red traumas and the acute abdomen

**Chair:** Elizabeth Dick, Lead for Emergency Radiology, Imperial College London, UK

**Code red trauma calls - Do not miss this!**
- Elizabeth Dick, Lead for Emergency Radiology, Imperial College London, UK

**The role of the interventionalist in trauma**
- Graham Collins, Radiology Consultant, North Bristol NHS Trust, UK

**The acute abdomen**
- Beth Hankinson, Consultant, Royal Liverpool Hospital, UK

**Post-operative acute abdomen**
- Ammad Farooq, Consultant Radiologist, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK

### Changes in radiology training

**Chair:** Caroline Parkin, Consultant Radiologist, Manchester University NHS Foundation Trust, UK

**Shape of training and FRCCR curriculum development**
- Jane Phillips-Hughes, Consultant Radiologist & Chair of the RCR Curriculum Committee, Oxford University Hospitals NHS Trust, UK

**Maximising training production and quality:**
- Amanda Self, Consultant Radiologist, Newcastle Hospitals NHS Foundation Trust, UK

**Evolution of the FRCCR exam**
- Jo Fairhurst, Consultant Paediatric Radiologist & Chair of Fellowship Examination Board, UK
- David Salage, Consultant Radiologist, Chair of FRCCR 2B Examination Board, UK
- Daniel Connolly, Consultant Radiologist, Chair of FRCCR 2B Examination Board, UK

### Breast

**Chair:** Tamara Suers, Consultant, St Bartholomew’s Hospital, London, UK

**Risk stratification in breast screening**
- Sarah Vinnicombe, Clinical Senior Lecturer and Honorary Consultant Radiologist, Ninewells Hospital & Medical School, UK

**Challenges and opportunities for the breast screening workforce**
- Anne-Marie Culpan, Health Education England, UK

### Stone disease and tumour ablation

**Chair:** Amit Patel, Consultant Radiologist, Lister Hospital, UK

**Urinary tract stones - image driven datasets and management planning**
- Uday Patel, Consultant Radiologist, St George’s University Hospitals NHS Foundation Trust, UK

**What’s changed in interventional uroradiology?**
- Julian Keanie, Consultant Urologist, Western General Hospital, Edinburgh, UK

### Changing patterns of disease in children

**Chair:** Andrea Brammer, Risk Manager and Paediatric Radiographer, Manchester University NHS Foundation Trust, UK

**Emerging infections**
- Caren Landes, Consultant Paediatric Radiologist, Great Ormond Street Hospital, UK

**Cystic Fibrosis: Why children and adults are surviving longer**
- Kevin Webb, Consultant Respiratory Physician, University Hospital of South Manchester NHS Foundation Trust, UK

**Gender dysphoria**
- Jenny McKinstry, Superintendent Radiographer, Royal Belfast Hospital for Sick Children, UK

### AI panel discussion - Rise of the machines?

**Chair:** Raheel Malik, Consultant Radiologist, Royal Bolton Hospital, UK

Panel discussion: AI vs machine learning: Rise of the machines or the emperor’s new clothes?
- Steven Tolle, VP/Chief Strategist of Watson Health Imaging, IBM, Republic of Ireland
- Nynke Breimer, Director Business Development, Research Information Systems, University of Nynke Breimer, Director Business Development, Research Information Systems, University of Amsterdam, The Netherlands
- Elliot Siegel, Professor and Vice Chair for Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA
- Hugh Harvey, Radiologist, Clinical Lead, Kheiron Medical, UK
- Arjun Ahmed, Director Imaging Information Systems, Agfa HealthCare, Canada
- John Falafut, Senior Director Solution Management and Architecture, GE Healthcare Digital, USA

### Cardiac

**Supported by**
- Swarny Gede, Consultant Cardio-Thoracic Radiologist, Essex Cardio-Thoracic Centre, Basildon, UK
- Bobby Agrawal, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK

**Stone disease and Tumour Ablation**
- Phil Haslam, Consultant Radiologist, The Newcastle upon Tyne Hospitals NHS Foundation Trust, UK
14.20 – 15.40 EXHIBITION SESSION

Consolidated data management
Chair: Maryann Hardy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK
Realising individual, societal and global benefits from Health Data Science - Andrew Morris, Director, Health Data Research, UK
Data, data everywhere, how will we manage it - David Hlater, Senior Scientist, Precisaion & De-centralised Diagnostics, Philips, UK
Consolidated data management systems: Impact on future healthcare delivery - Roy Kinnear, Sales Director, Interladar UK&I, UK
Panel discussion

15.00 – 16.00 DEMO ZONE SESSION

AGFA

MUSICA image processing - Care you can see
Optimisation of image processing algorithms for bed-side chest radiography; A comparison of two generations of Agfa MUSICA - Tim Wood, Principal Physicist and Radiation Protection Adviser, Hull and East Yorkshire Hospitals NHS Trust, UK and Craig Moore, Physicist and Radiation Protection Adviser, Hull and East Yorkshire Hospitals NHS Trust, UK
Measurement of operator scatter for endoscopy procedures employing a tube over couch system - Paul Charnock, Clinical Scientist, Medical Physics Expert and Radiation Protection Advisor, Integrated Radiological Services (IRS) Limited, UK

15.10 – 16.10

FRCR

Drop in sessions
FRCR VIVA teaching tutorial run by experienced FRCR tutors

From 15.30 Refreshments and exhibition, poster viewing, demo sessions and education on the stands

15.50 – 17.20 Afternoon sessions D:

Patient safety in radiotherapy
Radiotherapy errors and near misses – new and updated taxonomies, causative factors and safety barriers - Helen Best, Senior Clinical Radiotherapy Officer, Public Health England, UK
How the IAEA are tackling global challenges - Rajiv Prasad, Radiation Oncologist, International Atomic Energy Agency, Austria
Assurance is never enough - Speaker tbc

To the knee and beyond...
Chairs: Aniq Hifz, Consultant Radiologist, Royal Liverpool and Broadgreen University Hospitals Trust, UK and Dhiren Shah, Consultant Musculoskeletal Radiologist, London North West Healthcare NHS Trust, UK
Lower limb MSK intervention - tips and tricks - Dhiren Shah, Consultant Musculoskeletal Radiologist, London North West Healthcare NHS Trust, UK
Non-traumatic causes of heel pain: Imaging findings - Imran Khan, Consultant Musculoskeletal Radiologist, University Hospitals of Leicester NHS Trust, UK
Imaging of metatarsalgia - Aniq Hifz, Consultant Radiologist, Royal Liverpool and Broadgreen University Hospitals Trust, UK
MONDAY 2 JULY

Building an efficient, integrated and diverse radiology service
Chair: Peter Sharpe, Chief Executive Officer, Cobalt Health, UK
Radiography reporting: An academy perspective - Sanjoy Nagaraja, Consultant Radiologist, Sheffield Teaching Hospitals NHS Trust, UK and James Marcus, Senior Lecturer in Diagnostic Imaging, Sheffield Hallam University, UK
Diversity awareness in system change - Mohamed Jogi, National Programme Manager, NHS Employers, UK
National imaging transformation programme - progress so far - Fozia Thaw, Head of Imaging Services Transformation, NHS Improvement, UK
Improving radiology services, a national perspective - Tony Newman-Sanders, National Clinical Director for Diagnostics and Imaging and Clinical Director, Diagnostic Imaging, Surrey and Sussex Healthcare, UK

Tomosynthesis workshop
Supported by Hologic
Facilitators:
- David Evans, Consultant Radiologist, St Bartholomew’s Hospital, London, UK
- Tamara Suaris, Consultant, St Bartholomew’s Hospital, London, UK

Imaging acute chest pain
Chair: Bobby Agarwal, Consultant Radiologist, Royal Preston Hospital NHS Foundation Trust, UK
Imaging acute aortic syndromes - Ben Holloway, Consultant Radiologist, University Hospitals Birmingham NHS Foundation Trust, UK
Imaging myocarditis - Charles Peebles, Consultant Radiologist, University Hospital Southampton NHS Foundation Trust, UK
Imaging pulmonary embolus - Katherine Tweed, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK
Imaging acute coronary syndromes - Tarun Mittal, Consultant Cardiothoracic Radiologist, Hanover Hospital, Royal Brompton & Harefield NHS Foundation Trust and Senior Clinical Lecturer, Imperial College London, UK

Interactive uroradiology cases
Chair: Phil Haslam, Consultant Radiologist, The Christie NHS Foundation Trust, UK
Imaging of renal lesions - Alison Bradley, Consultant Radiologist, Royal Cornwall Hospitals NHS Trust, UK
Interactive cases of the adrenal and retroperitoneum - Harry Bardgett, Consultant Radiologist, Bradford Teaching Hospitals, UK
Interactive uroradiology quiz - Jane Beelfield, Lead Radiologist for Urology, Clinical Director, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK

Paediatrics OsiriX
Subbasia Chakraborty, Professor of Paediatric Radiology, Oxford University Hospitals NHS Foundation Trust, UK

Respiratory motion management
Chair: TBC
Respiratory motion management issues - Michael Parkes, Senior Lecturer in Applied Physiology, University of Birmingham, UK
Breathe hold techniques in radiotherapy - Marianne Aznar, Medical Physicist, The Christie NHS Foundation Trust, UK
Proffered papers
A respiratory motion management strategy for both abdominal and thoracic VMAT radiotherapy - Mark Bray-Parry, Medical Physicist, The London Clinic, UK
Controlling motion in radiotherapy: Rapid shallow ventilation for thoracic targets - Nicholas West, Lead Clinical Scientist, Newcastle upon Tyne Hospitals Trust, UK

16.00 – 17.20 EXHIBITION SESSION
From 17.15 Welcome wine reception in exhibition and poster viewing

17.30 – 18.30 EXHIBITION SESSION
Doctorate den
Chair: Janice John-Matthews, Academic Director, Department of Allied Health Professions, The University of the West of England, Bristol, UK
More than one way to “win a hat” - Leslie Robinson, Honorary Reader in Teaching and Learning, Diagnostic Radiography, University of Salford, UK
Calling all radiography doctorate students, prospective doctorate students and newly completed doctorate students.
• Find out what you might gain from undertaking doctoral research training
• Learn about the different routes to gaining a doctoral award and discover which might be the best option for you
• Be inspired by radiographers who have achieved doctoral status and find out what they did next

Fellowship speed dating
This event enables trainees interested in doing fellowships to meet with representatives from units that offer fellowships. Representatives from units that offer fellowships will be available for discussion about the opportunities that they offer. This represents a valuable networking opportunity for trainees and trainers alike.
## Congress Overview - Tuesday 3 July: Radiotherapy Service Delivery Day

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<td>UKRO Radiotherapy service delivery</td>
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**Joint UKRDO Plenary Session**

Too sensitive for science? Demolition of stereotypes - Emily Grossman, Freelance science broadcaster, writer and educator, UK

**Schools Engagement Programme and Exhibition**

Emily Grossman, Freelance science broadcaster, writer and educator, UK

**IPEM - John Mallard Lecture**

David Porter, Professor in MRI Physics, Institute of Neuroscience and Psychology University of Glasgow, UK
08.00 – 09.20 **Morning sessions E:**

- **E1**
  - **UKRCO**
  - **HALL 1C**
  - **Service delivery**
  - **ROOM 1B**
  - Transforming UK radiology through system-wide improvement
  - Chair: Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK
  - Doing things differently: The multidisciplinary team meeting (MDTM)
  - Chair: Martin Gore CBE, Consultant Medical Oncologist, The Royal Marsden NHS Foundation Trust, UK

- **E2**
  - **MSK**
  - **ROOM 3B**
  - Marrow imaging and bone tumours
  - Chair: Qaiser Malik, Consultant Radiologist, Basildon and Thurrock University Hospital NHS Trust, UK
  - Radiotherapy service delivery
  - Implications of RCR outlining peer review recommendations - Tom Roques, Consultant Clinical Oncologist, Norfolk and Norwich University Hospitals NHS Foundation Trust, UK
  - Implications of the new IRMER regulations in radiotherapy - Una Findlay, Senior Clinical Radiotherapy Officer, Public Health England, UK
  - Unexpected exposures in radiotherapy: Over, under and outside - David Eaton, Head of Radiotherapy Dosimetry and Computing, Guy’s & St Thomas’ NHS Foundation Trust & Chair, IPEM Radiotherapy Special Interest Group, UK

- **E3**
  - **Chest**
  - **ROOM 4**
  - Infectious diseases update
  - Chair: Mary Routle, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - Chronic aspergillosis - what is it and why should I know about it? - Sujal Desai, Consultant Radiologist, Royal Brompton and Harefield NHS Foundation Trust, UK
  - Emerging infections - Carolyn Allen, Consultant Radiologist, The Pennine Acute Hospitals NHS Trust, UK
  - Abnormal marrow imaging pattern - Abhishek Jain, Consultant Radiologist, Royal Liverpool University Hospital, UK
  - Marrow oedema patterns in trauma - Qaiser Malik, Consultant Radiologist, Basildon and Thurrock University Hospital NHS Trust, UK
  - Imaging of bone tumours - Naomi Winn, Consultant Radiologist, Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, UK

- **E4**
  - **ROOM 1B**
  - Transforming UK radiology through system-wide improvement
  - Chair: Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK
  - Doing things differently: The multidisciplinary team meeting (MDTM)
  - Chair: Martin Gore CBE, Consultant Medical Oncologist, The Royal Marsden NHS Foundation Trust, UK

- **E5**
  - **HEAD AND NECK**
  - **ROOM 12**
  - How I do it
  - Chair: Chris Greenall, Consultant Dental Radiologist, Abertawe Bro Morgannwg University and Cwm Taf Health Boards, UK
  - Facial fractures - a crash course - Elizabeth Loney, Care Group Director and Consultant Radiologist, County Durham and Darlington NHS Foundation Trust, UK
  - Sinuses can be cool! - Sarah LaPorte, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - Fast track neck lump clinics - Many ways to skin a cat… - Catherine Kirkpatrick, Consultant Sonographer, • Abertawe Bro Morgannwg University and Cwm Taf Health Boards, UK

- **E6**
  - **OBS AND GYNAE OSIRIX**
  - **ROOM 23/24**
  - Obstetrics and gynaecology Osirix cases
  - Facilitators:
  - Siham Sudderuddin, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - Nisha Bharwani, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - Obstetrics and gynaecology Osirix cases
  - Facilitators:
  - Siham Sudderuddin, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - Nisha Bharwani, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

- **E7**
  - **GI AND HEP**
  - **ROOM 11A**
  - The confusing belly
  - Chair: Katherine van Ree, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - Bariatric imaging for dummies - Dominic Blunt, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - Small bowel obstruction – time for a transition - James Stephenson, Consultant Radiologist, University Hospitals of Leicester NHS Trust, UK

09.00 **EXHIBITION OPENS**

From 09.00 Refreshments, poster viewing, demo sessions and education on the stands

09.30 – 10.20 **JOINT UKRCO PLENARY SESSION**

- **HALL 1A**
- Joint UKRCO plenary session

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#UKRCO2018

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**Tuesday 3 July**

### 10.40 – 12.00 Exhibition Session

**Exhibition Hall**
- **Head and neck ultrasound**
  - Hand on demonstration sessions with live models in the exhibition hall

**Exhibition Theatre**
- **Technological solutions to imaging the obese patient**
  - Chair: Maryam Herdy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK
  - Imaging the obese patient - Karen Knapp, Head of Medical Imaging, University of Exeter, UK
  - Therapeutic advantages of using the Siemens iMAR reconstruction algorithm for radiotherapy patients with metal implants - Julie Henderson, The Royal Marsden NHS Foundation Trust, UK
  - We are all different - How biomatrix technology can aid consistent MR imaging for each and every patient - Rebecca Ramb, Product Manager MAGNETOM Aera and MAGNETOM Sola, Siemens Healthineers, UK
  - Panel discussion

**11.00-11.30 Demo Zone Session**

**Room 23/24**
- **An introduction to perfusion neuro imaging**
  - Rachel Watt, Lead MRI Superintendent, NHS Grampian, UK

**Room 22**
- **Drop in sessions**
  - FRCR VIVA teaching tutorial run by experienced FRCR tutors

### 11.20 – 12.10 Morning Sessions F:

**Room 22**
- **Workforce challenges**
  - Chair: Paula Horne, Chair, UK Radiotherapy Service Managers, UK
  - NHS England’s vision for RT recognising the challenges - Speaker tbc
  - Role extensions a manager’s perspective - Angela Francis, Head of Radiotherapy Services, Guy’s and St Thomas’ NHS Foundation Trust, UK
  - Staff skill mix: Opportunities and challenges - James Wilson, Consultant Clinical Oncologist, Guy’s and St Thomas’ NHS Foundation Trust, UK & John Frew, Consultant Clinical Oncologist, Northern Centre for Cancer Care, Newcastle-upon-Tyne, UK

**Room 23/24**
- **Around the spine in 80 minutes**
  - Chair: Rajat Chowdhury, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK
  - Spinal pathology in the elite athlete - Justin Lee, Consultant Musculoskeletal Radiologist, Fortius Clinic, UK
  - Infectious diseases of the spine - Rowena Johnson, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK
  - Inflammatory diseases of the spine - Remy Mansour, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK
  - Clinical and professional negligence - what the radiologist needs to know - Jonathan Jones QC, Deputy Head, No5 Chambers, UK

### 12.00 – 12.40 Morning Sessions F:

**Room 12**
- **Understanding the left lateral radiograph - an interactive workshop**
  - Mary Rodicio, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

**Room 13**
- **Getting funding for your research: Opportunities from NIHR**
  - Chair: Fiona Mellor, Research and Quality Manager, Radiotherapy department, Dorset Cancer Centre, Poole Hospital NHS Foundation Trust, UK
  - NIHR research training programmes - Beth Harris, Senior Programme Manager, NIHR Trainees Coordinating Centre, UK
  - NIHR doctoral and post-doctoral fellowships - Claire Robinson, Advanced Radiographer Practitioner (Forensics), University Hospitals Leicester NHS Trust, UK
  - Top tips for successful applications - Beth Harris, Senior Programme Manager, NIHR Trainees Coordinating Centre, UK and Charlotte Minter, Programme Manager, NIHR, UK

**Room 3**
- **Practical PETMR**
  - Chair: Heather Williams, Principal Medical Physicist, Christie NHS Foundation Trust, UK
  - Running a PETMR Suite - Amy Watkins, Lead PETMR Radiographer, University of Manchester, UK
  - PET capabilities of a PETMR scanner - Sarah Woods, PET Physicist for PETMR, University of Manchester, UK
  - MRI capabilities of a PETMR scanner - William Lloyd, MRI Physicist for PETMR, University of Manchester, UK

**Room 3A**
- **Imaging of the adnexa**
  - Chair: Nitin Bhanwani, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
  - IOTA classification - Susanne Johnson, Associate Specialist in Gynaecology, Princess Anne Hospital, University Hospital Southampton, UK
  - Evidence based management of incidental cystic adnexal lesions on US, CT and MRI - Mike Weston, Consultant Radiologist, Leeds Teaching Hospitals Trust, UK
  - How MRI guides management of US-indeterminate adnexal lesions - Speaker TBC
  - Discussion/questions

**Room 3**
- **Incidentalomas and things of mystery**
  - Chair: James Stephenson, Consultant Radiologist, University Hospitals of Leicester NHS Trust, UK
  - Incidental pancreatic lesions - Brinder Singh Mahon, Consultant Radiologist, University Hospitals Birmingham NHS Foundation Trust, UK
  - The mesentery - Ed Godfrey, Consultant Radiologist, Cambridge University Hospital NHS Trust, UK
  - Gallbladder polyps - Rebecca Wiles, Consultant Radiologist, The Royal Liverpool University Hospital, UK
From 12.40

**Lunch, exhibition and education on the stands**

**13.00 – 13.50 SOCIETY KEYNOTE LECTURES**

**COR - Martine Jackson Lecture**

**NHS England high energy proton service** - Hazel Pennington, Lead Operational Radiographer for Protons, The Christie NHS Foundation Trust, UK

**IPEM John Mallard Lecture**

**Magnetic Resonance Imaging: New Frontiers in Speed and Precision** - David Porter, Professor in Magnetic Resonance Imaging Physics, Institute of Neuroscience and Psychology, University of Glasgow, UK

**13.00 – 14.40 EXHIBITION SESSION**

**Hybrid imaging technologies (PET/CT)**

Chair: Maryann Hardy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK

Recent advances in PET/CT technology will enhance patient throughput and facilitate improved lesion detection and tumour metabolism characteristics - Ian Armstrong, Principal Physicist, Nuclear Medicine, Manchester University NHS Foundation Trust, UK

Combining high sensitivity digital PET technology with innovative algorithms for motion correction & improved quantitation in all patients: Small lesion detectability, workflow, and dose considerations - Jakub Sienkiewicz, PET-CT Clinical Leader, GE Healthcare, Europe

What difference will it make? - Heather Williams, Principal Medical Physicist, The Christie NHS Foundation Trust, UK

Panel discussion

**13.30 – 14.00 DEMO ZONE SESSION**

**Bayer DEMO ZONE**

**Stress perfusion CMR... Is this the method of choice for the detection of myocardial ischaemia?**

Amedeo Chiribiri, Head of Adult Cardiac MPR & Senior Lecturer Cardiacvascualr Imaging, The Rayne Institute, St Thomas’ Hospital, UK

**14.00 – 15.20 Afternoon sessions G:**

**Service re-design and initiatives**

Radiotherapy peer review: Can we use the clinical trial quality assurance model at local/ regional levels? - Elizabeth Miles, Coordinator National Radiotherapy Trials OA (RTQOA) Group, East and North Hertfordshire NHS Trust, UK


Co-design and service development - Charlotte Weston, Teenage Cancer Trust Lead Nurse, The Royal Marsden NHS Foundation Trust, UK

Proffered papers

Development of a consultant radiographer led radical prostate radiotherapy service: An effective use of skills for patient benefit - Tracey Ellis, Macmillan Consultant Radiographer, Teaching Hospitals NHS Foundation Trust, UK

**The blooming garden variety of arthropathies/myopathies**

Chairs: Imran Khan, Consultant Musculoskeletal Radiologist, University Hospitals of Leicester NHS Trust, UK and Prashant Sankaye, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust, UK

Rheumatoid - Speaker tbc

Crystalline arthropathy including gout - Prashant Sankaye, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust, UK

Myopathies - Dimitri Amiris, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust, UK

Seronegative spondyloarthritis - Imran Khan, Consultant Musculoskeletal Radiologist, University Hospitals of Leicester NHS Trust, UK

Panel case based discussion

**Tuberculosis**

Chair: Vikas Shah, Consultant Radiologist, University Hospitals of Leicester, UK

Clinical update including new patterns of resistance and new biomarkers - Pranab Haldar, Clinical Senior Lecturer, University of Leicester, UK

Thoracic manifestations - Steve Ellis, Consultant Thoracic Radiologist, Barts Health NHS Trust, UK

MSK manifestations - Rowena Johnson, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK

Abdominopelvic manifestations - Imran Khan, Consultant Musculoskeletal Radiologist, University Hospitals of Leicester, UK

Panel discussion

**The role of education in supporting radiographers into action**

Chair: Viv Gibbs, Head of Department, Allied Health Professions, The University of the West of England, UK

Radiographers into action - Suzanne Rastrick, Chief Allied Health Professions Officer, NHS England, UK

Educating UK sonographers for their reporting role - Gill Harrison, Ultrasound Programme Director, and Lead for Teaching Excellence, Division of Midwifery and Radiography, City, University of London, UK

Maximum impact publishing to inspire radiographers into action: Why, where and how - Julie Nightingale, Professor of Diagnostic Imaging Education, Sheffield Hallam University, UK
**Tuesday 3 July**

**Welcome & Acknowledgements**

**Exhibitors’ Symposia**

**Exhibitor Information**

**Posters Information**

**Programme Education**

**Exhibition Plan & Listings**

**Plenary & Keynote Speakers**

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**Exhibition Session**

**G5**

**Top tips and red flags**

Chair: Sarah LaPorte, Consultant Radiologist, Milton Keynes University Hospital NHS Foundation Trust, UK

**Blocked tubes** - Nalinda Panditaratne, Consultant in Radiology, Caxtondale and Huddersfield NHS Foundation Trust, UK

**Otalgia** - Chris Greewnall, Consultant Dental Radiologist, Abertawe Bro Morgannwy University and Cwm Taf Health Boards, UK

**Sneaking out the back door...perineural spread** - Gillian Potter, Consultant Neuroradiator, Salford Royal and Central Manchester NHS Foundation Trust, UK

**Sinuses - When you need to wake up...** - Tim Beale, Consultant Radiologist, University College London Hospitals NHS Foundation Trust, UK

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**Exhibition Session**

**G6**

**Imaging of the uterus**

Chair: Nialat Bharwani, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

**MRI evaluation of uterine malignancies (cervical, endometrial & myometrial)** - Sarah Swift, Consultant Radiologist, Leeds Teaching Hospitals Trust, UK

**Fertility-sparing options in gynaecological malignancy** - Andreas Rockall, Consultant Radiologist, The Royal Marsden Hospital and Visiting Professor of Radiology, Imperial College London, UK

**Imaging in placental adhesive disorders** - Elspeth Whitty, Senior Lecturer, University of Sheffield, UK

**Discussion/questions**

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**Exhibition Session**

**G7**

**Gl and hepatobiliary OsiriX**

Facilitators:

- Mark Wills, Consultant Radiologist, Salisbury NHS Foundation Trust, UK
- Antoni Sergot, Consultant Radiologist, Ashford and St Peter’s Hospitals NHS Foundation Trust, UK

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**Exhibition Session**

**G8**

**Implementing IRR2017**

Chair: Graham Hart, RPA/LPA, Your RPA, UK

**IRR2017 – What the regulator expects** - Andrew Davies, Specialist Inspector (Radiation), Health and Safety Executive, UK

**Challenges in the implementation of IRR2017** - Trelawney Foy, Director of Medical Physics & Clinical Technology, Royal Cornwall Hospitals NHS Trust, UK

**Discussion**

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**Exhibition Session**

**G9**

**Point of care imaging: Technology opportunities**

Chair: Maryann Hardy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK

**Point of care extremity CT imaging aging** - John Yorkston, Carestream Health, UK

**The potential of magneto-cardiography: Cardiac screening and assessment of cardiac toxicity** - Ben Varcoe, Chief Scientific Officer (Creavo) & Chair of Experimental Quantum Information Science, University of Leeds, UK

**Could technological developments in point of care ultrasound relieve the pressure on radiology departments?** - Alastair Wood, Ultrasound Solutions Manager, GE Healthcare, UK & Ireland

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**From 15.20**

**Refreshments and exhibition, poster viewing, demo sessions and education on the stands**

**15.30 – 16.50**

**Exhibition Session**

**MSK Ultrasound**

Facilitator:

- David Gay, MSK - Ultrasound, UKRC, Programme Committee, UK

**Hands-on demonstration sessions with live models in the exhibition hall**

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**16.10 – 17.30**

**Afternoon sessions H:**

**H1**

**Radiotherapy board session**

Peer review – what’s the implication for service providers? - Tom Roques, Consultant Clinical Oncologist and Clinical Lead for Radiotherapy Norfolk and Norwich University Hospitals NHS Foundation Trust, UK

**Barriers to remote access: Risks, governance and solutions for facilitating IT connectivity in radiotherapy planning** - Andrew J Reilly, Head of Radiotherapy Physics, North West Cancer Centres, UK

**Therapeutic radiographers role - (SABR) treatment and beyond** - Yet Man Tsang, Consultant Radiographer - Specialised Service Delivery, Mount Vernon Cancer Centre, East and North Hertfordshire NHS Trust, UK

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**H2**

**SMRT**

Chair: Muriel Cockburn, The Society for MR Radiographers & Technologists, UK

**What’s up doc? New techniques in MSK MRI** - Dimitri Amiss, Consultant Radiologist, Imperial College NHS Healthcare Trust, UK

**MRI safety update with a focus on gadolinium deposition in the brain** - Anastasia Papadaki, MRI Physicist, National Hospital for Neurology and Neurosurgery, University College London Hospitals, UK

**A practical guide to magnetic resonance spectroscopy** - Donnie Cameron, Lecturer in Clinical Magnetic Resonance Physics, University of East Anglia, UK

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**H3**

**Lung cancer update**

Chair: Mary Roddie, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

**RFA - current role in lung cancer** - Fergus Gleeson, Consultant Radiologist, Oxford University Hospitals NHS Trust, UK

**Fleischner 2017 vs BTS nodule guidelines** - similarities and differences - Arjun Nair, Consultant Radiologist, University College London Hospitals NHS Foundation Trust, UK

**Lung cancer - medicolegal aspects** - John Reid, Consultant Radiographer, Borders General Hospital, UK

**Pericystic lung cancers - an emerging CT phenotype** - Sarah Sheard, Radiology Registrar, Imperial College Healthcare NHS Trust, UK
Late breaking proffered papers

**ROOM 4**

**Chair:** Pam Black, Head of Radiology, Wirral University Teaching Hospital, UK

**Lessons learned from the Manchester terrorist attack** - Amanda Martin, Lead, Radiographer, Royal Bolton Hospital, UK

**Identification of vertebral fractures in Fracture Liaison Services (FLS) in the UK** - Jo Sayer, Service Delivery Lead/Specialist Nurse, National Osteoporosis Society, UK

**Frailty screening in patients with colorectal cancer using CT assessment of sarcopenia** - Carina Brolund-Napier, Core Medical Trainee, North Bristol NHS Trust, UK

**The role of contrast enhanced ultrasound in the assessment of diagnostically challenging indeterminate lesions in native and transplant kidneys** - Aia Mehdi, Imaging Department, Imperial College NHS Healthcare Trust, UK

**Iodinated contrast induced nephrotoxicity** - Jamal Abdulkarim, Consultant Radiologist, George Eliot Hospital NHS Trust, UK

**Clinical benefit of the lateral chest radiograph in addition to posteroanterior radiograph in routine first-line imaging of haemoptysis** - Meghavi Mashar, Oxford University Hospitals NHS Foundation Trust, UK

**Head and neck OsirIX**

**ROOM 23/24**

**Facilitators:**
- Elizabeth Loney, Care Group Director and Consultant Radiologist, County Durham and Darlington NHS Foundation Trust, UK
- Rhian Rhys, Consultant Radiologist, Cwm Taf University Health Board, UK

**I robot: Ethics and law applied to artificial intelligence**

**ROOM 3B**

**Chair:** Stacy Carter, Director, Research for Social Change, University of Wollongong, Australia

- Eliot Siegel, Professor and Vice Chair Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA
- Daniel Sokol, Barrister, 12 King’s Bench Walk, UK
- Claudia Pagliari, Senior Lecturer in Primary Care and Informatics / Director of Global eHealth, The University of Edinburgh, UK

**Practical issues in radiation protection**

**ROOM 12**

**Chair:** Graham Hart, RPA/LPA, Your RPA, UK

**Personnel dosimetry** - Andy Rogers, Head of Radiation Physics, Nottingham University Hospitals NHS Trust, UK

**PPE** - Peter Hiles, Head of Radiation Physics, North Wales Medical Physics, Glan Clwyd Hospital, UK

**Dose optimisation** - Matthew Dunn, Head of Radiology Physics, Nottingham University Hospitals NHS Trust, UK

**National informatics resources**

**ROOM 1B**

**Chair:** Rezwan Malik, Consultant Radiologist, Royal Bolton Hospital, UK

**The role of the RCR informatics committee** - Neelam Dugar, Consultant Radiologist, Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust, UK

**The role and remit of NHS digital** - Saima Rahman, Lead Data Scientists, NHS Digital, UK

**The role of NHS digital academy** - Rachel Dunscombe, Director of Digital, Salford Royal NHS Foundation Trust, UK

**Panel discussion: The impact of new resources and initiatives for informatics in UK**
### Congress Overview - **Wednesday 4 July**

#### Asset Management Day

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<th>Time</th>
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<td>CRF - Welbeck Memorial Lecture</td>
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08.20 – 09.40 Morning sessions I:

**Adaptiverradiotherapy**
Update of next generation radiotherapy treatment - Anthea Clee, Clinical Research Fellow in Adaptive Radiotherapy, The Christie NHS Foundation Trust, UK
Adaptive RT developments - Marcel van Herk, Chair in Radiotherapy Physics, The University of Manchester, UK
Proffered papers
Hybrid I-123 MIBG SPECT/CT - radiotherapy planning CT scanning for neuroblastoma - Grace Keane, Clinical Scientist, Northern Centre for Cancer Care, UK
Co-relationship between 3D surface imaging system and conventional volumetric registration in radiotherapy pelvic treatment positioning - Qi-Ching Choi, Cancer Centre London, UK
Dose painting for prostate cancer with external beam radiotherapy: Factors affecting the feasibility of treatment planning and dose delivery - Steve Blake, Head of Radiotherapy Physics, University Hospitals Bristol, UK

**Imaging in sport**
Chair: Amanda Isaac, Consultant Musculoskeletal Radiologist, Guy’s & St Thomas’ Hospitals NHS Foundation Trust, UK
Endorsed by European Society of Musculoskeletal Radiology
PLAC injuries, clinical implications - Ernst Schelders, Consultant Orthopaedic Surgeon, Fortius Clinic, UK
Ankle injuries, getting back to sport - Maryam Shahidpour, Head of Clinics or Musculoskeletal Imaging, Universiteit Ziekenhuis Brussel, Belgium
Sports injuries in the hand and wrist - Ramy Mansour, Musculoskeletal Consultant Radiologist, Oxford University Hospitals NHS Trust, UK
Sporting injuries around the knee - Phil O’Connor, Consultant Musculoskeletal Radiologist, Leeds Teaching Hospitals and Honorary Clinical Associate Professor of Radiology, University of Leeds, UK

**Educating a new generation of radiographers**
Chair: Janice St. John-Matthews, Academic Director, Department of Allied Health Professions, The University of the West of England, Bristol, UK
Generation Z - Jessica Coggins, Placement Coordinator, The University of the West of England, Bristol, UK
Exploring the role of a coaching approach in the student support ‘toolkit’ - Julie de Witt, Senior Lecturer Diagnostic Imaging, University of Derby, UK
Building for the future - Laying the foundations with an innovative diagnostic imaging pre-registration module - Kerry Mills, Senior Lecturer Diagnostic Imaging/Radiography Emergency Care Practitioner, University of the West of England, Bristol, UK
Our approach to supporting specialist post qualification training within the clinical workplace - Daren Hudson, MRI Clinical Lead, InHealth Group, UK

**Essential topics in PET-CT**
Chair: Karima Mehta, Consultant Radiologist, Lancashire Teaching Hospitals NHS Foundation Trust, UK
Overview of PET-CT services - Wai Lup Wong, Consultant Radiologist (Nuclear Medicine), Hon Senior Lecturer (UCL), Clinical Guardian PET-CT NHS England, Chair Cancer Diagnostics CRG NHS England, UK

**MR imaging**
Room 14
Molecular imaging
Molecular imaging
Preparation, protocols and pitfalls - Bal Sanghera, Clinical Scientist, Paul Strickland Scanner Centre, Mount Vernon Hospital, UK
Recent advances in hybrid imaging - Prakash Manoharan, Consultant Radiologist and Nuclear Medicine Physician, The Christie NHS Foundation Trust, UK
Role of PET-CT in Upper GI and colorectal malignancies - Rohit Kochhar, Consultant Radiologist, The Christie NHS Foundation Trust, UK

**MRI service optimisation**
Chair: Jonathan Coupland, Clinical Application Specialist MRI, Philips Healthcare, UK
New Sequences and MR techniques to improve MR service optimisation - Jonathan Coupland, Clinical Application Specialist MRI, Philips Healthcare, UK
Optimising patient throughput in MRI – Speaker TBC
MRI safety in 2018 - Barbara Nugent, Superintendent Radiographer, NHS Lothian, UK
Delivering a mobile MRI service in the NHS - Graham Ogden, Director of Operations – North, InHealth, UK

**Body imaging proffered papers**
Chair: Vikas Shah, Consultant Radiologist, University Hospitals of Leicester, UK
Histological success rate of transjugular liver biopsies - Nagashan Abimanyu, Doctor, Queens Medical Centre, Nottingham University Hospitals, UK
Fluoroscopic imaging appearances in bariatric surgery - Christopher Marsh, Advanced Practitioner Radiographer, University Hospitals of North Midlands, UK
Migrating intra-abdominal mass on CT and MRI: Radiological appearances of large peritoneal loose bodies - Kyungmin Kim, Foundation Doctor, The Pennine Acute Hospitals NHS Trust, UK
A pictorial review of the role of multiparametric renal MRI in investigating renal masses - Priya Bhattacharjee, Consultant Radiologist, The Christie NHS Foundation Trust, UK
Liverpool healthy lung project: Radiologist perspective - John Holmans, Consultant Radiologist & Guardian of Safe Working, Liverpool Heart and Chest Hospital NHS Foundation Trust, UK
Low diagnostic yield of haemoptysis referred initially for chest radiograph in the detection of lung cancer - Meghavi Mashar, Oxford University Hospitals NHS Foundation Trust, UK
An audit of lung cancer detection and the role of the radiology department within a large teaching hospital - Pia Charters, Registrar (ST1), Severn Deanery/University Hospitals Bristol, UK
FDG PET-CT in haematological cancers: Are we adhering to RCR and NICE guidelines? - Lucy Disis, Senior House Officer, UK
WEDNESDAY 4 JULY

09.20 EXHIBITION OPENS

From 09.20 Refreshments, poster viewing, demo sessions and education on the stands

10.10 – 11.10 JOINT UKRCO DEBATE

Knowledge: How much is too much?
Chair: Paul McCoubrie, Consultant Clinical Radiologist, North Bristol NHS Trust, UK
Speakers:
Ethicist: Stacy Carter, Director, Research for Social Change, University of Wollongong, Australia
Lawyer: Daniel Sokol, Barrister, 12 King’s Bench Walk, UK
Geneticist: Katie Snape, Consultant, St George’s London and Joint Lead Consultant for Cancer Genetics, SW Thames Regional Genetics Service, UK

10.10 – 11.10 UKRO TRIALS

UK clinical trials in the spotlight
Chair: Elizabeth Miles, Coordinator National Radiotherapy Trials QA (RTTQA) Group, East and North Hertfordshire NHS Trust, UK
IT infrastructure to support a national radiotherapy trials QA programme - Rushil Patel, Lead SABR Physicist RTTQA, Mount Vernon Cancer Centre, UK
Does the size of CTV-PTV margin in dysphagia-optimised intensity modulated radiotherapy (D-ID-MRT) affect the quality of plan produced in the DARS head and neck cancer randomised trial? – Justine Tyler, Principal Radiotherapy Physicist, The Royal Marsden NHS Foundation Trust, UK
Planning benchmark cases for IMRiS phase II trial: Will different optimisation techniques in bone sarcomas impact on clinical outcomes? - Rita Simoes, Radiotherapy Radiographer, National Radiotherapy Trials Quality Assurance (RTTQA) Group, UK
Standardising practice for solitary bone plasmacytoma radiotherapy through the IDRIS (NCT02544308) trial - Patricia Díez, Clinical Scientist, National Radiotherapy Trials Quality Assurance (RTTQA) Group, Mount Vernon Cancer Centre, UK
A survey of UK bladder imaging practice: Pre-trial quality assurance for RAIDER phase II trial of adaptive image guided bladder radiotherapy - Amanda Webster, Therapeutic Radiographer, National Radiotherapy Trials Quality Assurance Group, Mount Vernon Cancer, UK

11.20 – 12.50 Morning sessions J:

Protons
Should all radiotherapy treatments be delivered by proton therapy? - Anthony Zietman, Radiation Oncologist, Massachusetts General Hospital, USA
UK update on proton therapy – Adrian Crellin, Consultant Clinical Oncologist, The Leads Teaching Hospitals NHS Trust, UK

Interventional oncology: Recent advances and update on loco regional therapies for primary and secondary liver cancers?
Chair: Alex Horton, Consultant Interventional Radiologist, University College Hospital, UK
UK update on proton therapy – Anthony Zietman, Radiation Oncologist, Massachusetts General Hospital, USA
UK update on proton therapy – Adrian Crellin, Consultant Clinical Oncologist, The Leads Teaching Hospitals NHS Trust, UK
Nanoknife: Irreversible electroporation, the ideal ablative technique? Is this a game changer? - Pete Littler, Consultant Interventional Radiologist, The Newcastle upon Tyne Hospitals NHS Foundation Trust, UK
TACE: Chemoembolization in the liver; experience from a tertiary centre - Dylan Lewis, Consultant Radiologist, King’s College Hospital NHS Foundation Trust, UK

Personalised imaging and therapy
Chair: Vivas Shah, Consultant Radiologist, University Hospitals of Leicester, UK
Current state and future of AI in delivering personalised radiology - Hugh Harvey, Radiologist, Clinical Lead, Kheiron Medical, UK
Translating genomic data to personalised assessment and therapy - Katie Snape, Joint Lead Consultant for Cancer Genetics, St George’s University Hospitals NHS Foundation Trust, UK
**WELCOME & ACKNOWLEDGEMENTS**

**EXHIBITORS’ SYMPOSIA**

**EXHIBITION PLAN & KEYNOTE SPEAKERS**

**INFORMATION POSTERS**

**LISTINGS**

**PLENARY & KEYNOTE SPEAKERS**

**SPEAKERS ON THE STANDS**

## Disease phenotyping using multiparametric imaging

### Anwar Padhani, Consultant Radiologist and Professor of Cancer Imaging, East and North Hertfordshire NHS Trust, UK

**Personalised disease management - current and emerging role of PET-based molecular imaging**

- Fahmid Chowdhury, Consultant in Radiology and Nuclear Medicine, Leeds Teaching Hospitals NHS Trust, UK

**J3 Multisystem ROOM 11C**

## Specialty topics in PET-CT

### Kanina Mehta, Consultant Radiologist, Lancashire Teaching Hospitals NHS Foundation Trust, UK

**How to read a paediatric PET CT: A quick guide for beginners**

- Diana Rose-Williams, Consultant, Royal Preston Hospital, UK

**PET in brain tumours**

- John Cain, Royal Preston Hospital, UK

**PET in infection and inflammation**

- Fahmid Chowdhury, Consultant in Radiology and Nuclear Medicine, Leeds Teaching Hospitals NHS Trust, UK

**Incidentalomas in PET-CT**

- Mani Subasinghe, Clinical Lecturer in PET Imaging, King’s College London, UK

**J4 Molecular imaging ROOM 12**

## AI and imaging

### Rowan Malik, Consultant Radiologist, Royal Bolton Hospital, UK

**AI and imaging**

- Stavros Sivaras, Clinical Senior Lecturer, The University of Manchester, UK

**J5 Neuro ROOM 3A**

## Evolution or revolution: The radiology reporting workforce

### Maryam Hardy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK

**Evolution or revolution: The radiology reporting workforce**

- Beverly Snail, Consultant Radiographer, Mid Yorkshire Hospitals NHS Trust/University of Bradford, UK and Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK

**Shaping standards for the future reporting team**

- Charlotte Beardmore, Director of Professional Policy, The Society and College of Radiographers, UK and Jonathan Hopkins, Consultant Interventional Radiologist, University Hospital Birmingham, UK

**J6 Service delivery ROOM 4**

## Access to molecular radiotherapy

### Heather Williams, Principal Medical Physicist, Christie NHS Foundation Trust, UK

**Access to Dosimetry for Molecular Radiotherapy**

- Jill Tipping, Medical Physicist, The Christie NHS Foundation Trust, UK

**Emerging therapies and their availability**

- Prakash Manoharan, Consultant Radiologist and Nuclear Medicine Physician, The Christie NHS Foundation Trust, UK

**Panel discussion and questions**

**J7 Imaging technologies ROOM 11A**

## Implementing IRMER18

### Graham Hart, RPA/LPA, Your RPA, UK

**What the regulator will expect from healthcare establishments under IRMER18 2017**

- Graham Hart, RPA/LPA, Your RPA, UK

**Challenges in the implementation of IRMER18**

- Tony Hall, Radiology Services Manager, Royal Devon and Exeter NHS Foundation Trust, UK

**J8 RPS ROOM 11B**

## Practical research tips: Common hurdles and how to climb over them

### Fiona Melor, Research and Quality Manager, Radiotherapy department, Dorset Cancer Centre, Poole Hospital NHS Foundation Trust, UK

**Costing your research: The hidden costs you need to consider**

- Emily McDougall, Research Delivery Manager (Acting) and Lead Research Nurse, NIHR Clinical Research Network GCP, UK and Chris Rhymes, Lead Nurse, Yorkshire and Humber, NIHR Clinical Research Network, UK

**Health Research Authority approval processes: Tips for successfully gaining your approval**

- Anoushka Tepilow, Technical Assurance Team Manager, Health Research Authority, UK

**Clinical research network portfolio adoption for your study: What are the advantages and how do you get it?**

- Emily McDougall, Research Delivery Manager (Acting) and Lead Research Nurse, NIHR Clinical Research Network GCP, UK and Chris Rhymes, Lead Nurse, Yorkshire and Humber, NIHR Clinical Research Network, UK

**Active research participation and monitoring: Why investment in a research radiographer could be a real money spinner**

- Martina Harris, Research Radiographer, Mid Yorkshire Hospitals NHS Trust, UK

**J9 Research HALL 1B**

## Head and neck & neuro proffered papers

### Rhian Rhys, Consultant Radiologist, Cwm Taf University Health Board, UK

**High-resolution ultrasound of the larynx: Imaging technique, normal anatomy and spectrum of disease**

- Ziyad Saloojee, University College London Hospitals NHS Foundation Trust, UK

**Orbital ultrasound: The good, the bad and the ugly**

- Lydia Guthrie, SpR, Cwm Taf University Health Board, UK

**The evaluation and further investigation of thyroid nodules in accordance with the British Thyroid Association guidelines**

- Veena Vishwanath, ST3 Radiology Registrar, Central Manchester Foundation NHS Trust, UK

**Learning from error in neuroradiology**

- Muhammad Yaman Adi, Radiology Registrar, Plymouth Hospitals NHS Trust, UK

**Imaging on time, when ‘time is brain’: A case study and image series outlining rapid and safe mechanical thrombectomy in hyperacute stroke**

- Ganeshan Ransamy, University Hospitals Birmingham NHS Foundation Trust, UK

**The mysterious cavern: Normal cross-sectional imaging appearances of the cavernous sinus**

- Hannah Marsh, ST4 Radiology, North Bristol NHS Trust, UK

**South West survey on the use of MRI for cholesteatoma follow up**

- Anthony George, Radiology Consultant, Torbay and South Devon NHS Trust, UK

**J10 Proffered papers ROOM 6W21**

## Service delivery

- Kate Hewlett, Consultant Radiologist, University Hospitals Birmingham NHS Trust, UK

**Implementing IRMER18**

- Graham Hart, RPA/LPA, Your RPA, UK

**What the regulator will expect from healthcare establishments under IRMER18 2017**

- Graham Hart, RPA/LPA, Your RPA, UK

**Challenges in the implementation of IRMER18**

- Tony Hall, Radiology Services Manager, Royal Devon and Exeter NHS Foundation Trust, UK

**Discussion**

**J11 PPS ROOM 21**

## Imaging technologies

- J4 Multisystem ROOM 11C

**J3 Multisystem ROOM 11C**

**J4 Molecular imaging ROOM 12**

**J5 Neuro ROOM 3A**

**J6 Service delivery ROOM 4**

**J7 Imaging technologies ROOM 11A**

**J8 RPS ROOM 11B**

**J9 Research HALL 1B**

**J10 Proffered papers ROOM 6W21**

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**J11 PPS ROOM 21**

#UKRCO2018
12.50 – 14.10 EXHIBITION SESSION

**EXHIBITION THEATRE**

You want it...but how might you get it?
Insights into business case options
Chair: Andrea Brammer, Risk Manager and Paediatric Radiographer, Manchester University NHS Foundation Trust

More trouble than it’s worth? - Pam Black, Head of Radiology, Wirral University Teaching Hospital, UK

Tips for business cases - Jonny Schottz, Assistant Director of Finance for Financial Accounts and Capital, Bradford Teaching Hospitals Trust, UK

An alternative approach to funding and delivering capital equipment replacement - Jason Long, Business Development Director, Aither UK and Ireland Ltd, UK

Discussion

From 12.40 Lunch, exhibition and education on the stands

13.00 – 13.50

**FRCR ROOM 22**

Drop in sessions
FRCR VIVA teaching tutorial run by experienced FRCR tutors

13.00 – 13.50 SOCIETY KEYNOTE LECTURES

**COR Welbeck Memorial Lecture**
Leadership: The next generation - Penny Owens, General Manager/Lead Radiographer, Derby Teaching Hospitals NHS Foundation Trust, UK

**IPEM Douglas Lea Lecture**
The radiobiology of advanced radiotherapy, a journey through space and time - Kevin Freer, Professor of Radiation Biology, Centre for Cancer Research & Cell Biology, Queen’s University Belfast, UK

13.30 – 14.00 DEMO ZONE SESSION

**PRDA/BIR DEMO ZONE**

Improving outcomes for people with pelvic radiation disease - Lesley Smith, Senior Programme Manager, Living with and beyond cancer, NHS England, UK & Lauren Oliver, Therapeutic Radiographer, Rosemere Cancer Centre, Royal Preston Hospital, UK

14.10 – 15.30 Afternoon sessions K:

**K1**

UKRO HALL 1C

Closing plenary session
Stereotactic ablative radiotherapy for metastatic cancers: New standard or false hope? - David Patena, Radiation Oncologist, OICR Clinician-Scientist, London Health Sciences Centre, London, Canada

SABR for Oligoprogressive disease - helping systemic therapy go the extra mile... - Daniel Gomez, Department of Radiation Oncology, Division of Radiation Oncology, The University of Texas MD Anderson Cancer Center, USA

**K2**

MSK ROOM 22

The future of MSK radiology
Chair: David Silver, President of British Society of Skeletal Radiologists and Consultant MSK Radiologist, Devon, UK

Training in MSK radiology - Danobol Dallì, Radiology Specialist Registrar, Imperial College Healthcare NHS Trust, UK

Evolving technologies in MSK - Amanda Isaac, Consultant Musculoskeletal Radiologist, Guy’s & St Thomas’ Hospitals NHS Foundation Trust, UK

Coding of procedures in MSK - Andrew Carne, CIO and Consultant MSK Radiologist, Royal Surrey County Hospital, Guildford, UK

MSK Radiology by allied health professionals et al - Phil O’Connor, Consultant Musculoskeletal Radiologist and Director of NIHR Leeds Musculoskeletal Biomedical Imaging Unit, Leeds Teaching Hospitals, UK

**K3**

Proffered papers
ROOM 4

Education and development proffered papers
Chair: Viv Gibbs, Head of Department, Allied Health Professions, The University of the West of England, UK

A comparison of diagnostic accuracy of parallel imaging versus conventional imaging in MRI practice; A systematic review - John Paul Sahnbb, InHealth, UK

Transition from assistant practitioner to radiographer - Emma Murdoch, Radiographer, Hull & East Yorkshire Hospitals NHS Trust, UK

The impact of a near-peer radiology teaching course on medical students' confidence at image interpretation and presentation at a district general hospital - Ruhaid Khurram, Medical Undergraduate, Barts and The London School of Medicine and Dentistry, Queen Mary University of London, UK

Ensuring accuracy in diagnostic image interpretation: A new programme of peer review for plain film reporting radiographers - Nicholas Barlow, Advanced Practitioner Radiographer, Mid Yorkshire NHS Trust, UK

Evaluation of shared teaching across MSc pre-registration and BSc (Hons) radiography students - Alexandra Partner, Deputy Head of Diagnostic Imaging, University of Derby, UK

A clinical academy for radiographer reporting - The trainees’s perspective - Scott Raine, Senior Radiographer, North Lincolnshire and Goole Foundation Trust, UK

Supporting newly qualified radiographers: Are we getting it right? - Jane Harvey-Lloyd, Associate Professor in Diagnostic Radiography, University of Suffolk, UK
**New-clear medicine**
Chair: Kamna Mehta, Consultant Radiologist, Lancashire Teaching Hospitals NHS Foundation Trust, UK

- Imaging infection with SPECT-CT - John Buscombe, Associate Lecturer, University of Cambridge, UK
- From gamma camera to SPECT-CT - Sriram Vaidyanathan, Consultant Radiologist, Leeds Teaching Hospitals NHS Trust, UK
- NM in dementia - John Cain, Royal Preston Hospital, UK
- Parathyroid and thyroid SPECT-CT (interesting cases) - Ki Yap, Consultant Radiologist, Northampton General Hospital NHS Trust, UK

**BAMRR session - Contemporary practice in MRI**
Chair: Janine Sparkes, Past President, BAMRR, UK and Lisa McBein, General Secretary, BAMRR, UK

- Magnetic resonance imaging of coeliac disease - Carolyn Costigan, Principle Research Radiographer, Nottingham University Hospitals NHS Trust, UK
- MRI imaging of fetal MRI - Rachel Watt, Lead MRI Superintendent, NHS Grampian, UK
- MR artefact catchphrase - Martin Graves, Affiliated Lecturer, University of Cambridge School of Clinical Medicine, UK

**Neuro OsiriX**
Brynmar Jones, Consultant Neuroradiologist, Imperial College Healthcare NHS Trust, UK

- Neuro OsiriX

**Making data work for you**
Chair: Rowan Malik, Consultant Radiologist, Royal Bolton Hospital, UK

- Dose management systems for optimisation and other benefits - Matthew Dunn, Head of Radiology Physics, Medical Physics and Clinical Engineering, Nottingham University Hospitals NHS Trust, UK
- Understanding how GDPR will impact the data protection landscape for healthcare in the UK - Mariel Irvine, Solicitor, London, UK
- Open data - Julian Teal, Open Data Manchester, UK
- How big data is currently helping medical practice and innovation - Rebecca Pope, Senior Data Scientist, KPMG, UK

**Informatics**
Room 3A

- Informatics

15.30 Close of Congress