MONDAY 2 JULY

Congress overview - **MONDAY 2 JULY:** PACS MANAGER DAY

08.00-19.00 **REGISTRATION OPEN**

EXHIBITION OPENS 09.00

Time	Ultrasound	FRCR	Demo Zone	Exhibition Lecture
08:30–09:00	A1 UKRO HALL 1C	A2 MSK Around the hip in 80 minutes ROOM 3B	A3 Service optimisation proffered papers ROOM 12	A4 RPS New regulations ROOM 4
09:00–09:40	A5 Cardiac Heart muscle disease ROOM 11B	A6 Urology Prostate cancer ROOM 3A	A7 History proffered papers ROOM 11C	A8 Informatics Cybersecurity HALL 1B
10:10–11:00	**Joint UKRCO plenary session** Extremes - *Kevin 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* HALL 1A			
11:30–12:00	B1 UKRO Immunotherapy HALL 1C	B2 Emergency and trauma INTERACTIVE ROOM 3B	B3 Service delivery Intelligent workflow HALL 1B	Refreshments, exhibition and poster viewing
12:00–12:40	B4 Breast Mock multidisciplinary meeting ROOM 4	B5 Cardiac Coronary arteries ROOM 11C	B6 Urology OsiriX Prostate cases ROOM 23/24	B7 Paediatrics Children are not small adults ROOM 11B
12:40–13:00	B8 Radiation protection & dose proffered papers ROOM 3A			
13:20–14:00	**BIR/Canon Mayneord Award** The natural history of colorectal neoplasia - *Perry Pickhardt, Gastrointestinal Radiologist, Wisconsin-Madison, USA* HALL 1A	Varian Medical Systems symposium ROOM 3A	Lunch, exhibition, poster viewing and education on stands	**COR William Stripp Memorial Lecture** Contrasting views: Un-enhanced magnetic resonance imaging of synovitis - *Carole Burnett, Lead Radiographer for Research and Innovation, Leeds Teaching Hospitals NHS Trust; Visiting Research Fellow, Leeds Biomedical Research Unit, LIRMM, University of Leeds, UK* HALL 1B
14:10–15:30	C1 UKRO PPI ROOM 11C	C2 Emergency and trauma INTERACTIVE ROOM 3B	C3 Education Radiology training ROOM 12	C4 Breast Screening ROOM 4
15:30–15:40	C5 Cardiac ROOM 14	C6 Urology Stone disease and ablation ROOM 20/21	C7 Paediatrics Changing patterns of disease ROOM 11B	C8 Informatics AI panel discussion HALL 1C
15:40–15:50	C9 Multisystem Post mortem CT HALL 1B	C10 UKRO Radiotherapy treatment planning ROOM 3A		
15:50–16:00	Refreshments, poster viewing , exhibition and education on stands			
16:00–17:10	D1 UKRO Patient safety HALL 1C	D2 MSK To the knee and beyond ROOM 3B	D3 Service delivery Diverse radiology service HALL 1B	D4 Breast Tomosynthesis ROOM 11A
17:10–17:20	D5 Cardiac Imaging acute chest pain ROOM 3A	D6 Urology INTERACTIVE ROOM 4	D7 Paediatrics OsiriX ROOM 23/24	D8 JOINT UKRCO Respitatory motion management ROOM 12
17:20–18:30	Welcome wine reception in exhibition			
21:00	Cavern Club (Entrance by tickets only)			

Time	Ultrasound	FRCR	Demo Zone	Exhibition Lecture
08:30–09:00				
09:00–09:40				
09:50–10:00				
10:10–11:00				
11:10–11:20				
11:30–12:00	MSK Ultrasound Upper EXHIBITION HALL		National Osteoporosis Society	Artificial and augmented intelligence: An introduction
12:00–13:00				
13:10–13:20				
13:20–14:00		FRCR drop in sessions ROOM 22	Everlight Radiology	Materialise
14:00–14:10	MSK Ultrasound Lower EXHIBITION HALL		Change Healthcare	
14:10–15:30				Consolidated data management
15:30–15:40		FRCR drop in sessions ROOM 22	AGFA MUSICA image processing - Care you can see	
15:40–16:00				
16:00–17:10			COR	Working with PACS: What clinicians need to know
17:20–17:30			Fellowship speed dating	Doctorate Den

UKRC UK RO

08.30 – 09.50 Morning sessions A:

A1
UKRO
HALL 1C

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 Zietman, Radiation Oncologist, Massachusetts General Hospital, USA*
The #hellomynameis story - through adversity comes legacy - *Chris Pointon, Co-founder & Global Campaign Ambassador, hellomynameis.org.uk, UK*

A2
MSK
ROOM 3B

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, Fortius 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, Fortius Clinic, UK*
Hip imaging: What the surgeon wants to know - *Marcus Bankes, Consultant Orthopaedic Surgeon, Guy's Hospital and Fortius Clinic, London, UK*

A3
Proffered papers
ROOM 12

Service optimisation and QA proffered papers
Chair: Nicholas Woznitza, Clinical Academic Reporting Radiographer, Homerton 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 Ajith, Sunderland Royal Hospital, UK*
Report requirements for specialist non-medical referrers requesting MRI - *Darren Hudson, MRI Clinical Lead, InHealth, UK*
The accuracy of three-dimensional computed tomography images 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), InHealth, UK*

A4
RPS
ROOM 4

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

A5
Cardiac
ROOM 11B

Imaging in heart muscle disease
Chair: Hatef Mansoubi, 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 Agrawal, 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*

A6
Urology
ROOM 3A

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 - *Hashim Ahmed, Chair of 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*

A7
History
ROOM 11C

History and proffered papers
Chair: Elizabeth Beckmann, British Society for the History of Radiology, UK
British mobile X-ray units in WWI - *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 Heartsland Hospital, UK*
Eponymous signs in plain film reporting - who were the eponymists? - *Arpan Banerjee, Consultant Radiologist, Birmingham Heartsland Hospital, UK*
Panel discussion

A8
Informatics
HALL1B

Cybersecurity
Chair: Rizwan Malik, Consultant Radiologist, Royal Bolton Hospital, UK
Cybersecurity: An IT perspective - *Brett Walmsley, Chief Technology Officer, Royal Bolton Hospital, UK*
Cybersecurity: A clinical perspective - *Saif Abed, 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

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** HALL 1A

Extremes - *Kevin 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 DEMO ZONE

The National Osteoporosis Society

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

11.30 – 12.50 **EXHIBITION SESSION**

MSK Ultrasound Upper EXHIBITION HALL

Facilitator:
David Gay, MSK - Ultrasound, UKRC, Programme Committee, UK
Hands-on demonstration sessions with live models in the exhibition hall

11.30 – 13.20 **Morning sessions B:**

B1 UKRO HALL 1C

Immunotherapy and radiotherapy combinations
Chair: Kevin Franks, Consultant Clinical Oncologist, Honorary Clinical Associate Professor, Leeds Cancer Centre/University of Leeds, UK
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*

B2 Emergency and Trauma ROOM 3B INTERACTIVE

Emergency head and spine imaging
Chair: Lisa Meacock, Consultant Radiologist, King's College Hospital NHS Foundation Trust, UK
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*

B3 Service delivery HALL 1B

Intelligent workflow in radiology
Chair: Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK
Paperless working in radiology - *Stephen Fenn, Consultant Radiologist, Hampshire Hospitals NHS Foundation Trust, UK*
Workflow Innovations in radiology information systems - *Brian Ellwood, Product Manager, Soliton IT, UK*

B3 Service delivery HALL 1B

Continued
Business intelligence applications for radiology - *Philip Brentnall, 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*

B4 Breast ROOM 4

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*

B5 Cardiac ROOM 11C

Cardiac CT beyond the coronary arteries
Chair: Charles Peebles, Consultant Radiologist, University Hospital Southampton NHS Foundation Trust, UK
Dose reduction techniques - *Hatef Mansoubi, Clinical Director and Consultant Radiologist, Western Sussex Hospitals NHS Foundation Trust, UK*
Cardiac CT: Beyond the coronaries - *Sumit Karia, Consultant Radiologist, Cambridge University Hospitals 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*

B6 Urology - Osirix ROOM 23/24

Prostate MRI workshop
Facilitators:
- *Amit Patel, Consultant Radiologist, Lister Hospital, UK*
- *Tristan Barrett, Consultant Radiologist, University of Cambridge, UK*
- *Jonathan Richenberg, Consultant Radiologist, Royal Sussex County Hospital, UK*
- *Uday Patel, Consultant Radiologist, St George's University Hospitals NHS Foundation Trust, UK*

B7 Paediatrics ROOM 11B

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*

B7
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 Pirie, Superintendent Radiographer, NHS Greater Glasgow and Clyde, UK*
The trouble with teens..... - *Andrea Hulme, Lead General Radiographer, Royal Manchester Children's Hospital, UK*

B8
Proffered paper
ROOM 3A

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 - *Szeyi Lai, North Tees and Hartlepool NHS Foundation Trust, UK*
ASRT exchange lecture: On-table treatment adaptation and motion management using MR-guided radiotherapy: 4 Years of clinical implementation - *Erin Wittland, Advanced Practice RT(T), Barnes Jewish Hospital and Washington University and Siteman Cancer Center, USA*

11.50 – 13.10 **EXHIBITION SESSION**

EXHIBITION THEATRE

Artificial and augmented intelligence: An introduction
Chair: Maryann 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

From 12.00 Lunch, exhibition, poster viewing and education on stands

13.20 – 13.35 **DEMO ZONE SESSION**

Everlight Radiology
DEMO ZONE

Radiologist job opportunities with Everlight in Australia and New Zealand
Dr Robin Evans, Clinical Director UK, Everlight Radiology, UK

13.10 - 14.10 **EXHIBITION SESSION**

Varian Medical Systems symposium
ROOM 3A

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

13.20 – 14.10 **SOCIETY KEYNOTE LECTURES**

BIR/Canon Mayneord Award HALL 1A
The natural history of colorectal neoplasia - *Perry Pickhardt, Gastrointestinal Radiologist, Wisconsin-Madison, USA*

COR William Stripp Memorial Lecture HALL 1B
Contrasting views: Un-enhanced magnetic resonance imaging of synovitis - *Carole Burnett, Lead Radiographer for Research and Innovation, Leeds Teaching Hospitals NHS Trust; Visiting Research Fellow, Leeds Biomedical Research Unit, LIRMM, University of Leeds, UK*

13.20 – 14.20

FRCR
ROOM 22

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

13.30 – 14.00 **EXHIBITION SESSION**

EXHIBITION THEATRE

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
DEMO ZONE

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**

MSK Ultrasound Lower
EXHIBITION HALL

Facilitator:
David Gay, MSK - Ultrasound, UKRC, Programme Committee, UK
Hands-on demonstration sessions with live models in the exhibition hall

14.10 – 15.40 Afternoon sessions C:

C1
UKRO
ROOM 11C

Patient and Public Involvement (PPI)
Chairs: Angela Baker, President, UKRO, UK and Jeannette Dickson, Consultant Clinical Oncologist, Mount Vernon Cancer Centre, UK

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 - *Dany 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 - *Gayan Chetiyawardana, 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 Therapy Radiographer, NHS Lothian, UK*

C2
Emergency and Trauma
ROOM 3B
INTERACTIVE

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 Collin, 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*

C3
Education
ROOM 12

Changes in radiology training
Chair: Caroline Parkin, Consultant Radiologist, Manchester University NHS Foundation Trust, UK

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

Maximising training production and quality: What we are doing in the NE and Cumbria – *Alexander Self, Consultant Radiologist, Newcastle Upon Tyne Hospitals & TPD Quality and Academy Northern School of Radiology, UK*

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

C4
Breast
ROOM 4

Breast
Chair: Tamara Suaris, 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*

C4
Breast
ROOM 4

Continued

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

Radiology and surgical planning: What a surgeon needs to know - *Laura Johnson, Consultant Oncoplastic and Reconstructive Breast Surgeon, St Bartholomew's Hospital, London, UK*

DeepMind's approach to AI in health - *Tony Corkett, Partnerships and Deployment Manager, DeepMind Health, UK*

C5
Cardiac
ROOM 14

Cardiac
Supported by Siemens Healthineers
Facilitators:
- *Swamy Gedela, Consultant Cardio-Thoracic Radiologist, Essex Cardio-Thoracic Centre, Basildon, UK*
- *Bobby Agrawal, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK*

C6
Urology
ROOM 20/21

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 Uroradiologist, Western General Hospital, Edinburgh, UK*

Stone disease and tumour ablation - *Phil Haslam, Consultant Radiologist, The Newcastle upon Tyne Hospitals NHS Foundation Trust, UK*

C7
Paediatrics
ROOM 11B

Changing patterns of disease in children
Chair: Andrea Brammer, Risk Manager and Paediatric Radiographer, Manchester University NHS Foundation Trust

Emerging infections - *Caren Landes, Consultant Paediatric Radiologist and Service Group Lead for Radiology, Alder Hey Children's NHS Foundation Trust, UK*

The changing epidemiology of oncology in childhood - *Marina Easty, 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*

C8
Informatics
HALL 1C

AI panel discussion - Rise of the machines?
Chair: Rizwan 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, Aidence, The Netherlands*
- *Eliot Siegel, Professor and Vice Chair for Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA*

C8
Informatics
HALL 1C

Continued
- *Hugh Harvey, Radiologist, Clinical Lead, Kheiron Medical, UK*
- *Anjum Ahmed, Director Imaging Information Systems, Agfa HealthCare, Canada*
- *John Kalafut, Senior Director Solution Management and Architecture, GE Healthcare Digital, USA*

C9
Multisystem
HALL 1B

Post mortem CT
Chair: Bruno Morgan, Professor of Cancer Imaging and Radiology, University of Leicester, UK
Can imaging diagnose the cause of natural death? - *Zoe Traill, Consultant Radiologist, Oxford University Hospitals NHS Trust, UK*
Setting up NHS post-mortem imaging - *Simon Beardmore, Consultant Radiologist, Lancashire Teaching Hospitals, UK*
Scanning for mass fatality incidents - *Claire Robinson, Advanced Practitioner Forensics, University Hospitals of Leicester NHS Trust, UK*
Forensic post-mortem imaging - *Siobhan McLaughlin, Consultant Radiologist, Royal Infirmary of Edinburgh, UK*

C10
UKRO
ROOM 3A

The needs for contemporary radiotherapy treatment planning
Chairs: Andy Beavis, Consultant Medical Physicist and Head of Radiation Physics, Hull and East Yorkshire NHS Hospitals Trust, UK and Stuart Green, Director of Medical Physics, University Hospitals Birmingham NHS Foundation Trust, UK
Overview and update - *Andy Beavis, Consultant Medical Physicist and Head of Radiation Physics, Hull and East Yorkshire NHS Hospitals Trust, UK*
Managing motion with 4D imaging - *Martin Menten, PhD Student, The Institute of Cancer Research and The Royal Marsden NHS Foundation Trust, UK*
Proffered papers
Automated prostate radiotherapy scripting - a step towards quality improvement - *Clara Namelo, SPR Clinical Oncology, South West Wales Cancer Centre, UK*
The first UK survey of doses from radiotherapy treatment planning CT scans for adult patients - *Anne Davis, Clinical Scientist, Portsmouth Hospitals NHS Trust, UK*
The introduction of dedicated planning MR-CT fusion for radical radiotherapy of prostate cancer - *Ciara Lyons, Consultant Oncologist, North West Cancer Centre, Altnagelvin Area Hospital, UK*

14.20 – 15.40 **EXHIBITION SESSION**

EXHIBITION THEATRE

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 - *Rhoswyn Walker, Chief Strategy Officer, Health Data Research, UK*
Data, data everywhere, how will we manage it – *David Halter, Senior Scientist, Precision & Decentralized Diagnostics, Philips, UK*
Consolidated data management systems: Impact on future healthcare delivery - *Roy Kinnear, Sales Director, Intelerad UK&I, UK*
Panel discussion

15.00 – 16.00 **DEMO ZONE SESSION**

AGFA
DEMO ZONE

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
ROOM 22

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:**

D1
UKRO
HALL 1C

Patient safety in radiotherapy
Chair: Angela Baker, President, UKRO, UK
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*
Local adoption of PHE Taxonomies and using incident data for improvement - *Mark Rose, Deputy Director of Patient Safety, The Queen Elizabeth Hospital King's Lynn NHS Foundation Trust, UK*

D2
MSK
ROOM 3B

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
Anterior knee pain - *Janani Pillai, Consultant Musculoskeletal Radiologist, London North West Health Care 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*

D3
Service delivery
HALL 1B

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 Harcus, 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 - *Fiona Thow, 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*

D4
Breast
ROOM 11A
LIMITED PLACES

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*

D5
Cardiac
ROOM 3A

Imaging acute chest pain
Chair: Bobby Agrawal, Consultant Radiologist, Royal Papworth 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 - *Katharine Tweed, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK*
Imaging acute coronary syndromes - *Tarun Mittal, Consultant Cardiothoracic Radiologist, Harefield Hospital, Royal Brompton & Harefield NHS Foundation Trust and Senior Clinical Lecturer, Imperial College London, UK*

D6
Urology
ROOM 4
INTERACTIVE

Interactive uroradiology cases
Chair: Phil Haslam, Consultant Radiologist, The Newcastle upon Tyne Hospitals 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 Belfield, Lead Radiologist for Urology, Clinical Director, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK*

D7
Paediatrics Osirix
ROOM 23/24

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

D8
Joint UKRCO session
ROOM 12

Respiratory motion management
Respiratory motion management issues - *Michael Parkes, Senior Lecturer in Applied Physiology, University of Birmingham, UK*
Breath 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**

EXHIBITION THEATRE

Working with PACS: What clinicians need to know
Chair: Maryann Hardy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK
PACS for radiographers - *Karen Hawkins, PACS Manager, Radiology Directorate, Diagnostic & Professional Services Division, Nobles Hospital, Isle of Man, UK*
PACS for radiologists - *Rizwan Malik, Consultant Radiologist, Royal Bolton Hospital, UK*
The future of PACS - *Charlie McCaffrey, Managing Director, Carestream Health UK Limited, UK*
Panel discussion

From 17.15 Welcome wine reception in exhibition and poster viewing

17.30 – 18.30 **EXHIBITION SESSION**

EXHIBITION THEATRE

Doctorate den
Chair: Janice St. 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

DEMO ZONE

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.

TUESDAY 3 JULY

Congress overview - **TUESDAY 3 JULY:** RADIOTHERAPY SERVICE DELIVERY DAY

08.00-18.00 **REGISTRATION OPEN**

E1 UKRO — Radiotherapy service delivery — HALL 1C
E2 MSK — Bone and marrow — ROOM 3B
E3 Chest — Infectious diseases update — ROOM 4
E4 Service delivery — Driving transformation — HALL 1B
E5 Head and neck — Sinus and orbit — ROOM 12
E6 Obs and gynae — OsiriX — ROOM 23/24
E7 GI and hep — The confusing belly — ROOM 11A

Joint UKRCO plenary session
Too sensitive for science? Demolition of stereotypes - *Emily Grossman, Freelance Science Broadcaster, Writer and Educator, UK*
HALL 1A

Refreshments, exhibition and poster viewing

F1 UKRO — Workforce challenges — HALL 1C
F2 MSK — Around the spine — ROOM 3B
F3 Chest — OsiriX — ROOM 23/24
F4 Research — Getting funding — ROOM 12
F5 Imaging technologies — PETMR — ROOM 3A
F6 Obs and gynae — Adnexa — ROOM 4
F7 GI and hep — Incidental findings — HALL 1B
F8 Informatics — Post-modern healthcare systems — ROOM 11A

COR Martine Jackson Lecture
NHS England high energy proton service
Hazel Pennington, Lead Operational Radiographer for Protons, The Christie NHS Foundation Trust, UK
HALL 1A

Lunch, exhibition, poster viewing and education on standsstands

IPEM John Mallard Lecture
David Porter, Professor in MRI Physics, Institute of Neuroscience and Psychology University of Glasgow, UK
HALL 1C

Schools engagement programme and exhibition
Emily Grossman
ROOM 11B/C

G1 UKRO — Service re-design — HALL 1C
G2 MSK — Inflammatory artho-myopathy — ROOM 3B
G3 Multisystem — Tuberculosis — ROOM 20/21
G4 Education — Radiographers — ROOM 12
G5 Head and neck — Top tips — ROOM 3A
G6 Obs and gynae — Uterus — ROOM 4
G7 GI and hep — OsiriX — ROOM 23/24
G8 RPS — Implementing IRR2017 — ROOM 11A

Refreshments, exhibition, education on stands and poster viewing

H1 UKRO — Radiotherapy board — HALL 1C
H2 SMRT — ROOM 11A
H3 Chest — Lung cancer update — ROOM 3A
H4 Late breaking proffered papers — ROOM 4
H5 Head and neck — OsiriX — ROOM 23/24
H6 JOINT UKRCO — Ethics and law — ROOM 3B
H7 RPS — Practical issues — ROOM 12
H8 Informatics — National resources — HALL 1B

AXREM dinner and Joint Congress Supper

Ultrasound

Head and neck ultrasound — EXHIBITION HALL

MSK ultrasound Upper/Lower — EXHIBITION HALL

FRCR

EXHIBITION OPENS 09.00

FRCR drop in sessions — ROOM 22

FRCR drop in sessions — ROOM 22

Demo Zone

Bayer - Perfusion Neuroimaging

Bayer -Stress Perfusion CMR

BJRIOpen Journal Launch and Reception

Exhibition Lecture

Technological solutions to imaging the obese patient

Hybrid imaging technologies (PET/CT)

Point of care imaging

08.00 – 09.20 Morning sessions E:

E1
UKRO
HALL 1C

Radiotherapy service delivery
Chair: Stuart Green, Director of Medical Physics, University Hospitals Birmingham NHS Foundation Trust, UK and Colin Baker, Head of Radiotherapy Physics, Royal Berkshire NHS Foundation Trust, UK

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 - *Úna Findlay, Senior Clinical Radiotherapy Officer, Public Health England, UK*

Unintended 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*

E2
MSK
ROOM 3B

Marrow imaging and bone tumours
Chair: Qaiser Malik, Consultant Radiologist, Basildon and Thurrock University Hospital NHS Trust, UK

Normal marrow imaging pattern - *Ishaq Uri, Consultant in Clinical Radiology, North Bristol University Hospital 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*

E3
Chest
ROOM 4

Infectious diseases update
Chair: Mary Roddie, 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*

Atypical mycobacterial infection - *Steve Ellis, Consultant Thoracic Radiologist, Barts Health NHS Trust, UK*

The imaging of ARDS - what does radiology contribute? - *Sujal Desai, Consultant Radiologist, Royal Brompton and Harefield NHS Foundation Trust, UK*

E4
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) - *Martin Gore CBE, Consultant Medical Oncologist, The Royal Marsden NHS Foundation Trust, UK*

Introduction to GIRFT (Getting It Right First Time) in radiology - *Kath Halliday, Consultant Radiologist, Nottingham, and UK Radiology GIRFT Lead, UK*

Imaging services transformation - Future vision, 2020 and beyond - *Erika Denton, Norfolk & Norwich University Hospital, National Advisor for Imaging, NHS Improvement, 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, Milton Keynes University Hospital NHS Foundation Trust, UK*

Fast track neck lump clinics - Many ways to skin a cat…
- *Catherine Kirkpatrick, Consultant Sonographer, United Lincolnshire Hospitals NHS Trust, UK*
- *Rhian Rhys, Consultant Radiologist, Cwm Taf University Health Board, 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*
- *Nishat 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

Too sensitive for science? Demolition of stereotypes -
Emily Grossman, Freelance Science Broadcaster, Writer and Educator, UK

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: Maryann Hardy, 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 - *Julia 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**

Bayer
DEMO ZONE

An introduction to perfusion neuro imaging
Rachel Watt, Lead MRI Superintendent, NHS Grampian, UK

11.20 – 12.10

FRCR
ROOM 22

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

11.20 – 12.40 Morning sessions F:

F1
UKRO
HALL 1C

Workforce challenges
Chair: Paula Horne, Chair, UK Radiotherapy Service Managers, UK and Jeannette Dickson, Consultant Clinical Oncologist, Mount Vernon Cancer Centre, UK
NHS England's vision for RT recognising the challenges - *Dr Christopher Scrase, Macmillan Consultant Clinical Oncologist, Lead Clinician for Oncology Ipswich Hospital, Suffolk and North East Essex STP/ICS Clinical Lead for Cancer, Midland and East (joint) Radiotherapy CRG representative, UK*
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*

F2
MSK
ROOM 3B

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*

F2
MSK
ROOM 3B

Continued
Inflammatory diseases of the spine - *Ramy 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*

F3
Chest - Osirix
ROOM 23/24

Understanding the left lateral radiograph - an interactive workshop
Mary Roddie, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

F4
Research
ROOM 12

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 fellowships - *Charlotte Minter, Programme Manager, NIHR Trainees Coordinating Centre, UK Manager, NIHR, UK*
Being a NIHR doctoral fellow - *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*

F5
Imaging technologies
ROOM 3A

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*

F6
Obs and Gynae
ROOM 4

Imaging of the adnexa
Chair: Nishat Bharwani, 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 - *Andrea Rockall, Consultant Radiologist, The Royal Marsden Hospital and Visiting Professor of Radiology, Imperial College London, UK*
Panel discussion

F7
GI and hep
HALL 1B

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*

F8
Informatics
ROOM 11A

Post-modern healthcare systems
Chair: Neelam Dugar, Consultant Radiologist, Doncaster and Bassetlaw Teaching Hospitals NHS Foundation Trust, UK
Radiology IT for dummies - *Graham King, Senior Offerings Manager, IBM Watson Health, UK*
Evolution of enterprise imaging and developing a unified patient record - *Dominic Kirkman, Director of Professional Services and Support, IBM, UK*
Regional networks with the clinical and technical benefits and challenges of distributed reporting - *Nick Sargeant, SWASH Technical Architect, Portsmouth Hospitals NHS Trust, UK and Mark Griffiths, Clinical Radiologist, University Hospital Southampton NHS Foundation Trust, UK*
Pre disease prevention and wellness - diverse needs create personalised care and precision wellness - *Rachel Dunscombe, Chief Information Officer, Salford Royal NHS Foundation Trust, UK*

From 12.40 Lunch, exhibition and education on the stands

13.00 – 13.50 **SOCIETY KEYNOTE LECTURES**

COR - Martine Jackson Lecture HALL 1A
NHS England high energy proton service - *Hazel Pennington, Lead Operational Radiographer for Protons, The Christie NHS Foundation Trust, UK*

IPEM John Mallard Lecture HALL 1C
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**

EXHIBITION THEATRE

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 Siennicki, 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 MRI & Senior Lecturer Cardiovascular Imaging, The Rayne Institute, St Thomas' Hospital, UK

14.00 – 15.20 **Afternoon sessions G:**

G1
UKRO
HALL 1C

Service re-design and initiatives
Chairs: Kevin Franks, Consultant Clinical Oncologist, Honorary Clinical Associate Professor, Leeds Cancer Centre/University of Leeds, UK and Colin Baker, Head of Radiotherapy Physics, Royal Berkshire NHS Foundation Trust, UK
Radiotherapy peer review: Can we use the clinical trial quality assurance model at local/regional levels? - *Elizabeth Miles, Coordinator National Radiotherapy Trials QA (RTTQA) Group, East and North Hertfordshire NHS Trust, UK*
RTDS: Current status and future developments - *Catherine Roe, Radiotherapy Dataset (RTDS) Project Lead, National Cancer Registration & Analysis Service, Public Health England, 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, Lancashire Teaching Hospitals NHS Foundation Trust, UK*

G2
MSK
ROOM 3B

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 - *Shouvik Saha, Consultant Radiologist, The Royal Wolverhampton NHS Trust, UK*
Crystalline arthropathy including gout - *Prashant Sankaye, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust, UK*
Myopathies - *Dimitri Amiras, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust, UK*
Seronegative spondyloarthopathy - *Imran Khan, Consultant Musculoskeletal Radiologist, University Hospitals of Leicester NHS Trust, UK*
Panel case based discussion

G3
Multisystem
ROOM 20/21

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 - *Yvette Griffin, Consultant Radiologist, University Hospitals of Leicester NHS Trust, UK*

G4
Education
ROOM 12

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*

G5
Head and neck
ROOM 3A

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, Calderdale and Huddersfield NHS Foundation Trust, UK*
Otalgia - *Chris Greenall, Consultant Dental Radiologist, Abertawe Bro Morgannwg University and Cwm Taf Health Board, UK*
Sneaking out the back door…perineural spread - *Gillian Potter, Consultant Neuroradiologist, 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*

G6
Obs and Gynae
ROOM 4

Imaging of the uterus
Chair: Nishat 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 - *Andrea Rockall, Consultant Radiologist, The Royal Marsden Hospital and Visiting Professor of Radiology, Imperial College London, UK*
Imaging in placental adhesive disorders - *Elspeth Whitby, Senior Lecturer, University of Sheffield, UK*
Discussion/questions

G7
GI and hep Osirix
ROOM 23/24

GI 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

G8
RPS
ROOM 11A

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 - *Trevelyan Foy, Director of Medical Physics & Clinical Technology, Royal Cornwall Hospitals NHS Trust, UK*
Discussion

14.50 – 16.10 **EXHIBITION SESSION**

EXHIBITION THEATRE

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? - *Alistair Wood, Ultrasound Solutions Manager, GE Healthcare, UK & Ireland*
Panel discussion

From 15.20 Refreshments and exhibition, poster viewing, demo sessions and education on the stands

15.30 – 16.50 **EXHIBITION SESSION**

MSK Ultrasound Upper / Lower
EXHIBITION HALL

Facilitator:
David Gay, MSK - Ultrasound, UKRC, Programme Committee, UK
Hands-on demonstration sessions with live models in the exhibition hall

16.10 – 17.30 Afternoon sessions H:

H1
UKRO
HALL 1C

Radiotherapy board session
Chair: Jeannette Dickson, Consultant Clinical Oncologist, Mount Vernon Cancer Centre, UK and John Burton, Pre-Treatment Head of Section, Radiotherapy, Edinburgh Cancer Centre, Western General Hospital, UK
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 Centre, UK*
Therapeutic radiographers role - (SABR) treatment and beyond - *Yat Man Tsang, Consultant Radiographer - Specialised Service Delivery, Mount Vernon Cancer Centre, East and North Hertfordshire NHS Trust, UK*

H2
SMRT
ROOM 11A

SMRT
Chair: Muriel Cockburn, The Society for MR Radiographers & Technologists, UK
What's up doc? New techniques in MSK MRI - *Dimitri Amiras, Consultant Radiologist, Imperial College NHS Healthcare Trust, UK*
MRI safety update with a focus on gadolinium deposition in the brain - *Anastasia Papadaki, MR 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*

H3
Chest
ROOM 3A

Lung cancer update
Chair: Mary Roddie, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
RFA - current role in lung cancer - *Mark Anderson, 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, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK*

H4
Late breaking proffered papers
ROOM 4

Late breaking proffered papers
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 utility of imaging for atypical endometrial hyperplasia - *Hannah Morley, University Hospitals of Leicester, 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*
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*
Iodinated contrast induced nephrotoxicity - *Jamal Abdulkarim, Consultant Radiologist, George Eliot Hospital NHS Trust, UK*

H5
Head and neck Osirix
ROOM 23/24

Head and neck OsiriX
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*

H6
Joint UKRCO session
ROOM 3B

I robot: Ethics and law applied to artificial intelligence
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*

H7
RPS
ROOM 12

Practical issues in radiation protection
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*

H8
Informatics
HALL 1B

National informatics resources
Chair: Rizwan 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

16.20 – 17.20 **EXHIBITION SESSION**

Demo Zone
DEMO ZONE

BJRIOpen Journal Launch and Reception

16.20 – 17.20

FRCR
ROOM 22

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

19.30

ST GEORGE'S HALL — **AXREM dinner**

REVOLUCION DE CUBA — **Joint congress summer social**

WEDNESDAY 4 JULY

Congress overview - **WEDNESDAY 4 JULY** ASSET MANAGEMENT DAY

08.00-16.00 **REGISTRATION OPEN**

I1 UKRO Adaptive radiotherapy — HALL 1C
I2 MSK Imaging in sport — ROOM 3B
I3 Education The new radiographers Generation Z — HALL 1B
I4 Molecular imaging PET-CT — ROOM 12
I5 Neuro — ROOM 3A
I6 Service delivery MR service optimisation — ROOM 4
I7 Body imaging proffered papers — ROOM 11A

EXHIBITION OPENS 09.20

Refreshments, exhibition and poster viewing

Joint UKRCO debate - Knowledge: How much is too much?
Chair: *Paul McCoubrie*
Speakers: Ethicist: *Stacy Carter* Lawyer: *Daniel Sokol*, Geneticist: *Katie Snape*
HALL 1A

UKRO Trials — HALL 1C
FRCR drop in sessions — ROOM 22

J1 UKRO Protons — HALL 1C
J2 Interventional Radiology — ROOM 3B
J3 Multisystem Personalised imaging and therapy — ROOM 11C
J4 Molecular imaging PET-CT — ROOM 12
J5 Neuro AI and imaging — ROOM 3A
J6 Service delivery Evolution or revolution — ROOM 4
J7 Imaging technologies Molecular radiotherapy — ROOM 11A
J8 RPS Implementing IRMER 18 — ROOM 11B
J9 Research HRA Practical tips — HALL 1B
J10 Head and neck & neuro proffered papers — ROOM 20/21

Understanding asset management

COR Welbeck Memorial Lecture
Leadership: The next generation
Penny Owens, General Manager/Lead Radiographer, Derby Teaching Hospitals NHS Foundation Trust, UK
HALL 1B

Lunch, exhibition, poster viewing and education on stands

IPEM Douglas Lea Lecture
The Radiobiology of Advanced Radiotherapy, A Journey Through Space and Time
Kevin Prise, Professor of Radiation Biology, Centre for Cancer Research & Cell Biology, Queen's University Belfast, UK
HALL 1C

FRCR drop in sessions — ROOM 22
PRDA/BIR
You want it… but how might you get it

EXHIBITION CLOSES 14.00

K1 UKRO SABR — HALL 1C
K2 MSK Future of radiology — ROOM 3B
K3 Education proffered papers — ROOM 4
K4 Molecular imaging New-clear medicine — ROOM 12
K5 Neuro OsiriX — ROOM 23/24
K6 BAMRR MRI contemporary practice — ROOM 11A
K7 Informatics Making data work for you — ROOM 3A

08.20 – 09.40 Morning sessions I:

I1
UKRO
HALL 1C

Adaptive radiotherapy
Chair: Angela Baker, President, UKRO, UK
Update of next generation radiotherapy treatment - *Anthea Cree, 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 pelvis treatment positioning - *Oi-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*

I2
MSK
ROOM 3B

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 - *Ernest Schilders, Consultant Orthopaedic Surgeon, Fortius Clinic, UK*
Ankle injuries, getting back to sport - *Maryam Shahabpour, Head of Clinics of Musculoskeletal Imaging, Universitair 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*

I3
Education
HALL 1B

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, UK
Generation Z - *Jessica Coggins, Placement Coordinator, The University of the West of England, 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 - *Darren Hudson, MRI Clinical Lead, InHealth Group, UK*

I4
Molecular imaging
ROOM 12

Essential topics in PET-CT
Chair: Kamna 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*

I4
Molecular imaging
ROOM 12

Continued
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*

I5
NEURO
ROOM 3A

Neuro
Chair: Stavros Stivaros, Clinical Senior Lecturer, The University of Manchester, UK
Neuroradiology CTA and MRA - *Brynmor Jones, Consultant Neuroradiologist, Imperial College Healthcare NHS Trust, UK*
Imaging of the spinal tumours - *Priya Bhatnagar, Consultant Neuroradiologist, The Newcastle upon Tyne Hospitals NHS Foundation Trust, UK*

I6
Service delivery
ROOM 4

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 throughout in MRI - *John Wilkinson, Head of Healthcare Consulting and Advisory Services (GB&I), Siemens Healthcare Limited, UK and Robert Johnson, Clinical Director - Radiology, Worcestershire Acute Hospitals NHS Trust, UK*
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*

I7
Proffered papers
ROOM 11A

Body imaging proffered papers
Chair: Vikas Shah, Consultant Radiologist, University Hospitals of Leicester, UK
Histological success rate of transjugular liver biopsies - *Nagushan Abimanue, Doctor, Queen's 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
Liverpool healthy lung project: Radiologist perspective - *John Holemans, 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 Diss, Senior House Officer, Ashford and St Peter's Hospital, UK*

09.20 **EXHIBITION OPENS**

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

10.10 – 11.10 **JOINT UKRCO DEBATE** HALL 1A

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

FRCR ROOM 22

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

10.10 – 11.10 **UKRO TRIALS** HALL 1C

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 RTTQ*A, Mount Vernon Cancer Centre, UK*
Does the size of CTV-PTV margin in dysphagia-optimised intensity modulated radiotherapy (Do-IMRT) 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 Diez, 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 – 12.30 **EXHIBITION SESSION**

EXHIBITION THEATRE

Understanding asset management: The replacement rationale
Chair: Pam Black, Head of Radiology, Wirral University Teaching Hospital, UK
What do you mean by asset management? *- Rahul Suvarna, Digital & Analytics Leader, Northern Europe*
Driving forward advances in imaging technology: Are we responding to service need or technological capability? *- David Wilkins, Head of Marketing, Sales and Communications GB&I, Siemens Healthcare Limited, UK*

EXHIBITION THEATRE

Continued
Equipment lifespan recommendations are really just a money spinner: A debate!
- **Speaker for the motion** *- Erika Denton, Norfolk & Norwich University Hospital, National Advisor for Imaging, NHS Improvement, UK*
- **Speaker against the motion** *- Peter Harrison, AXREM Chair and Managing Director, Siemens Healthcare Limited, UK*

Panel discussion

11.20 – 12.50 **Morning sessions J:**

J1 UKRO HALL 1C

Protons
Chair: Stuart Green, Director of Medical Physics, University Hospitals Birmingham NHS Foundation Trust, UK and Colin Baker, Head of Radiotherapy Physics, Royal Berkshire NHS Foundation Trust, UK
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 Leeds Teaching Hospitals NHS Trust, UK*

J2 Interventional radiology ROOM 3B

Interventional oncology: Recent advances and update on loco regional therapies for primary and secondary liver cancers?
Chair: Alex Horton, Consultant Interventional Radiologist, Royal Surrey County Hospital, UK
SIRT: Radioembolization, what is it, does it work, and most importantly how do we select patients? *- Graham Munneke, SIRT Lead and Interventional Radiologist, University College Hospital, 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: Chemoemolization in the liver; experience from a tertiary centre *- Dylan Lewis, Consultant Radiologist, King's College Hospital NHS Foundation Trust, UK*

J3 Multisystem ROOM 11C

Personalised imaging and therapy
Chair: Vikas 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*

J3
Multisystem
ROOM 11C

Continued
Translating genomic data to personalised risk assessment and therapy - *Katie Snape, Joint Lead Consultant for Cancer Genetics, St George's University Hospitals NHS Foundation Trust, UK*
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*

J4
Molecular imaging
ROOM 12

Specialty topics in PET-CT
Chair: Kamna Mehta, Consultant Radiologist, Lancashire Teaching Hospitals NHS Foundation Trust, UK
How to read a paediatric PET CT: A quick guide for beginners - *Diana Rosof-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 - *Manil Subesinghe, Clinical Lecturer in PET Imaging, King's College London, UK*

J5
Neuro
ROOM 3A

AI and imaging
Chair: Rizwan Malik, Consultant Radiologist, Royal Bolton Hospital, UK
AI and imaging - *Stavros Stivaros, Clinical Senior Lecturer, The University of Manchester, UK*

J6
Service delivery
ROOM 4

Evolution or revolution: The radiology reporting workforce
Chair: Maryann Hardy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK
Evolution or revolution: The radiology reporting workforce - *Beverly Snaith, 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*
Discussion

J7
Imaging technologies
ROOM 11A

Access to molecular radiotherapy
Chair: 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

J8
RPS
ROOM 11B

Implementing IRMER18
Chair: Graham Hart, RPA/LPA, Your RPA, UK
What the regulator will expect from healthcare establishments under IR(ME)R 2017 - *Graham Hart, RPA/LPA, Your RPA, UK*
Challenges in the implementation of IRMER18 - *Toni Hall, Radiology Services Manager, Royal Devon and Exeter NHS Foundation Trust, UK*
Discussion

J9
Research
HALL 1B

Practical research tips: Common hurdles and how to climb over them
Chair: Fiona Mellor, 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 McDougal, 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 Tepielow, HRA Approval Manager, Technical Assurances, Health Research Authority, UK*
Clinical research network portfolio adoption for your study: What are the advantages and how do you get it? - *Emily McDougal, 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 - *Martine Harris, Research Radiographer, Mid Yorkshire Hospitals NHS Trust, UK*

J10
Proffered papers
ROOM 20/21

Head and neck & neuro proffered papers
Chair: 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 Ramsamy, 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*

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 Scholtz, 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, Althea 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 HALL 1B
Leadership: The next generation - *Penny Owens, General Manager/Lead Radiographer, Derby Teaching Hospitals NHS Foundation Trust, UK*

IPEM Douglas Lea Lecture HALL 1C
The radiobiology of advanced radiotherapy, a journey through space and time - *Kevin Prise, 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

PRDA/BIR
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
Chairs: Angela Baker, President, UKRO, UK and Kevin Franks, Consultant Clinical Oncologist, Honorary Clinical Associate Professor, Leeds Cancer Centre/University of Leeds, UK
Stereotactic ablative radiotherapy for metastatic cancers: New standard or false hope? - *David Palma, 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 3B

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 - *Danoob Dalili, 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 Sahibbil, InHealth, UK*
Transition from assistant practitioner to radiographer - *Emma Murdock, 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 trainee'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*

K4
Molecular imaging
ROOM 12

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*

K5
Neuro Osirix
ROOM 23/24

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

K6
BAMRR
ROOM 11A

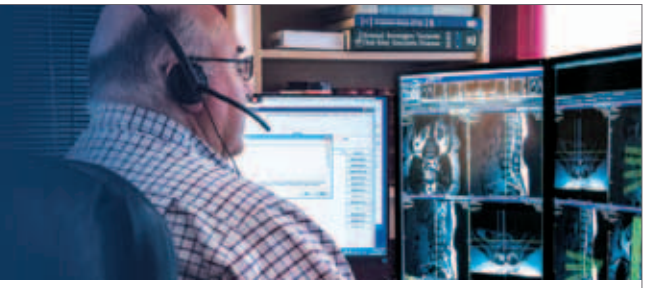
BAMRR session - Contemporary practice in MRI
Chairs: Janine Sparkes, Past President, BAMRR, UK and Lisa McBain, General Secretary, BAMRR, UK
Magnetic resonance imaging of coeliac disease - *Carolyn Costigan, Principle Research Radiographer, Nottingham University Hospitals NHS Trust, UK*
MRI imaging of 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*

K7
Informatics
ROOM 3A

Making data work for you
Chair: Rizwan 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 Tait, Open Data Manchester, UK*
How big data is currently helping medical practice and innovation - *Rebecca Pope, Senior Data Scientist, KPMG, UK*

15.30 Close of congress

Could a specialist reporting service help your department?



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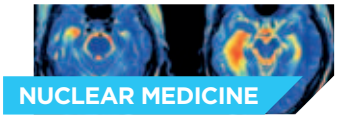
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