



We have colour coded the streams to allow you to follow your favourite topics. The colour will also continue on the onsite programme at the congress.

Open to all including day visitors

Congress overview - MONDAY 2 JULY: PACS MANAGER DAY								Ultrasound	FRCR	Demo zone	Exhibition Lecture		
08.00-19.00 REGISTRATION OPEN													
08:30	<b>A1</b>	<b>A2</b>	<b>A3</b>	<b>A4</b>	<b>A5</b>	<b>A6</b>	<b>A7</b>	<b>A8</b>					
08:40	UKRO	MSK	Service optimisation proffered papers	RPS	Cardiac	Urology	History proffered papers	Informatics					
08:50		Around the hip in 80 minutes		New regulations		Prostate cancer		Cybersecurity					
09:00									EXHIBITION OPENS 09.00				
09:10													
09:20													
09:30													
09:40													
09:50													
10:00													
10:10	<b>Joint UKRCO plenary session</b> Extreme disaster response - <i>Kevin Fong</i> Imaging in a war zone - <i>Richard Miles</i>												
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11:40	<b>B1</b>	<b>B2</b>	<b>B3</b>	Refreshments, poster tours, exhibition and education on stands							MSK		
11:50	UKRO	Emergency radiology	Service delivery							Ultrasound			
12:00	Immunotherapy	INTERACTIVE	Intelligent workflow	<b>B4</b>	<b>B5</b>	<b>B6</b>	<b>B7</b>	<b>B8</b>				Artificial and augmented intelligence: An introduction	
12:10				Breast	Cardiac	Urology	Paediatrics	Radiation protection & Dose proffered papers					
12:20				Mock multidisciplinary meeting	Coronary arteries	OsiriX	Children are not small adults						
12:30						Prostate cases							
12:40													
12:50													
13:00													
13:10	<b>BIR/Canon - Mayneord Award</b> The natural history of colorectal neoplasia - <i>Perry Pickhardt</i>				Lunch, exhibition and education on stands				<b>COR - William Stripp Memorial Lecture</b> Contrasting views: Un-enhanced magnetic resonance imaging of synovitis - <i>Carole Burnett</i>				
13:20													
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14:10	<b>C1</b>	<b>C2</b>	<b>C3</b>	<b>C4</b>	<b>C5</b>	<b>C6</b>	<b>C7</b>	<b>C8</b>	<b>C9</b>	<b>C10</b>			
14:20	UKRO	Emergency and trauma	Education	Breast	Cardiac	Urology	Paediatrics	Informatics	Multisystem	UKRO			
14:30	PPI	INTERACTIVE	Radiology training	Screening	OsiriX	Stone disease and ablation	Changing patterns of disease	AI panel discussion	Post mortem CT	MR knowledge based planning			
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16:10	<b>D1</b>	<b>D2</b>	<b>D3</b>	<b>D4</b>	<b>D5</b>	<b>D6</b>	<b>D7</b>	<b>D8</b>					
16:20	UKRO	MSK	Service delivery	Breast	Cardiac	Urology	Paediatrics	JOINT UKRCO					
16:30	Patient safety	To the knee and beyond	Diverse radiology service	Tomosynthesis	Imaging acute chest pain	Interactive quiz	OsiriX	Respiratory motion management					
16:40						VOTING							
16:50													
17:00													
17:10													
17:20													
18:00													
	Welcome wine reception in exhibition								Fellowship speed dating and Doctorate Den				

## Congress programme - Monday 2 July

### Morning sessions A:

08.30 – 09.50

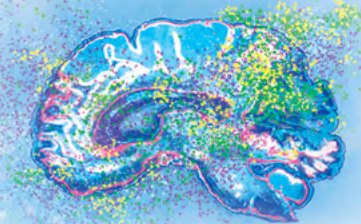
<b>A1</b> UKRO	<p><b>UKRO opening session</b> Chair: Angela Baker, President, UKRO, UK</p> <p><b>Choosing the right treatment for the right patient at the right time</b> - Anthony Zietman, Radiation Oncologist, Massachusetts General Hospital, USA</p> <p><b>#hellomynameis – the legacy of Dr Kate Granger MBE: Through adversity comes legacy</b> - Chris Pointon, Co-founder &amp; Global Campaign Ambassador, hellomynameis.org.uk, UK</p>
<b>A2</b> MSK	<p><b>Around the hip in 80 minutes</b> Chair: Rowena Johnson, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK</p> <p><b>Anatomy of the groin and the PLAC</b> - Adam Mitchell, Consultant Radiologist, Fortius Clinic, UK</p> <p><b>Intra-articular hip abnormalities</b> - Rajat Chowdhury, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK</p> <p><b>Extra-articular hip abnormalities</b> - Gajan Rajeswaran, Consultant Musculoskeletal Radiologist, Fortius Clinic, UK</p> <p><b>Hip imaging: What the surgeon wants to know</b> - Marcus Bankes, Consultant Orthopaedic Hip Surgeon, Guy's &amp; St Thomas' NHS Foundation Trust and Fortius Clinic, UK</p> <p>Overview of session:</p> <ul style="list-style-type: none"> <li>Teaching on the new anatomical concept of the pyramidalis–anterior pubic ligament–adductor longus complex (PLAC) and its role with adductor injuries, with clinical examples.</li> <li>Tips and tricks on the imaging of intra-articular and extra-articular hip problems.</li> <li>Insight from an opinion leader in hip surgery on what surgeons want to know from the radiologist</li> </ul>

<b>A3</b> Proffered papers	<p><b>Service optimisation and QA proffered papers</b> Chair: Nicholas Woznitza, Clinical Academic Reporting Radiographer, Homerton University Hospital NHS Foundation Trust, UK</p> <p><b>Assuring a representative research sample: Importance of evaluating the demographics of those who decline to participate in research</b> - Craig Roe, CT Advanced Practitioner, Leeds Teaching Hospitals NHS Trust, UK</p> <p><b>Impact of a radiographer led teleradiology hot-reporting service on an emergency department missed-fracture rate</b> - Paul Simpson, Advanced Practitioner, City Hospitals Sunderland NHS Foundation Trust, UK</p> <p><b>Radiological assessment of nasogastric tube position - a quality improvement project</b> - Naomi Fenton, ST3 Radiology Registrar, North Bristol NHS Trust, UK</p> <p><b>How do patients prefer to receive their radiology results in the 21st century?</b> - Amritha Ajith, Sunderland Royal Hospital, UK</p> <p><b>Report requirements for specialist non-medical referrers requesting MRI</b> - Darren Hudson, MRI Clinical Lead, InHealth, UK</p> <p><b>The accuracy of three-dimensional computed tomography images using different scanning protocols</b> - Rob Stroud, Medical Student, Warwick Medical School, UK</p> <p><b>Evaluation of occupational exposure from electromagnetic field radiation on mobile magnetic resonance imaging units</b> - Ana Filipa Sousa, Lead Mobile MRI Radiographer (SE), InHealth, UK</p>
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<b>A4</b> RPS	<p><b>The new regulations</b> Chair: Graham Hart, RPA/LPA, Your RPA, UK</p> <p><b>IRR2017</b> - James Taylor, HM Principal Inspector (Radiation), Health and Safety Executive, UK</p> <p><b>IRMER18</b> - Steve Ebdon-Jackson, Head of Medical Exposures, Health Protection Agency, UK</p> <p><b>Discussion</b> Overview of session: The aim of the session is to provide information on the key issues surrounding the implementation of new regulations covering the medical uses of ionising radiations and their impact on staff, the public and patients.</p>
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<b>A5</b> Cardiac	<p><b>Imaging in heart muscle disease</b> Chair: Hatef Mansoubi, Clinical Director and Consultant Radiologist, Western Sussex Hospitals NHS Foundation Trust, UK</p> <p><b>Echo in cardiomyopathy</b> - Lynne Williams, Consultant Cardiologist, Royal Papworth Hospital, UK</p> <p><b>CMR of non-ischaeamic cardiomyopathy</b> - Bobby Agrawal, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK</p> <p><b>CMR of ischaemic cardiomyopathy</b> - Vass Vassilou, Cardiology Consultant, West Suffolk &amp; Royal Brompton Hospitals, UK</p> <p><b>PET CMR in cardiomyopathy</b> - Marc Dweck, Consultant Cardiologist, University of Edinburgh, UK</p>
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<b>A6</b> Urology	<p><b>An update on prostate cancer diagnosis</b> Chair: Jane Belfield, Lead Radiologist for Urology, Clinical Director, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK</p> <p><b>Prostate cancer diagnosis - a changing paradigm</b> - Hashim Ahmed, Chair in Urology (Clinical), Imperial College London, UK</p> <p><b>Developing and maintaining a prostate MRI service</b> - Tristan Barrett, Consultant Radiologist, University of Cambridge, UK</p> <p><b>Contrast controversies in prostate MRI: Biparametric or multiparametric?</b> - Jonathan Richenberg, Consultant Radiologist, Royal Sussex County Hospital, Brighton, UK</p> <p>Overview of session:</p> <ul style="list-style-type: none"> <li>To learn about the advances and application of multiparametric MRI in prostate cancer diagnosis, with reference to the multicentre UK PROMIS trial</li> <li>To educate on the difficulties and logistics of developing and maintaining a robust prostate MRI service in the current NHS climate</li> <li>To learn the value of dynamic contrast enhanced sequences for prostate cancer diagnosis</li> </ul>
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## Congress programme - Monday 2 July

**A7**  
History

**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 Heartland Hospital, UK

**Eponymous signs in plain film reporting - who were the eponymists?** - Arpan Banerjee, Consultant Radiologist, Birmingham Heartland Hospital, UK

Panel discussion

**A8**  
Informatics

**Cybersecurity**  
Chair: Rizwan Malik, Consultant Radiologist Lead, 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**

Overview of session: How industry, clinicians and IT can work together to promote working practices which safeguard patients and their data but in ways that promote efficient and effective working.

### 10.10 – 11.10 JOINT UKRC PLENARY SESSION

**Extreme disaster response** - 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

From 11.10 Refreshments and exhibition, poster viewing, demo sessions and education on the stands

### Morning sessions B:

11.30 – 13.20

**B1**  
UKRO

**Immunotherapy and radiotherapy combinations**  
**Cancer immunotherapy for beginners - the rationale for RT and immunotherapy combinations** - Kevin Harrington, Joint Head of the Division of Radiotherapy and Imaging, The Institute of Cancer Research, UK (invited)

**RT and immunotherapy trials a European perspective** - Philipp Lambin, Clinician and Radiation Oncologist, Maastricht University, The Netherlands (invited)

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

**B2**  
Emergency and Trauma  
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 Radiologist, 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

*This interactive session is case based - you can test your knowledge and pick up new pearls*

Overview of session:

- Gain confidence in your ability to identify subtle abnormalities on the CT head
- Interpreting the CT or MRI of the spine: What the surgeon needs to know

**B3**  
Service delivery

**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

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

**Business intelligence applications for radiology** - Phillip Brentnall, Product Strategy Manager, Wellbeing Software Group, UK

**Radiologist workflow, current and future state** - Gary Dee, Radiologist, Wallingford, Connecticut, USA

**B3**  
Service delivery

*continued*

Overview of session: Changing the way we work is always challenging in busy NHS radiology services. Delegates can expect to gain knowledge of some of the options to improve workflow and the benefits and challenges they may face in implementing them.

**B4**  
Breast

**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
- Claire Borelli, St Georges Hospitals NHS Foundation Trust, UK
- Laura Johnson, Consultant Oncoplastic and Reconstructive Breast Surgeon, St Bartholomew's Hospital, London

**B5**  
Cardiac

**Cardiac CT beyond the coronary arteries**  
Chair: Charles Peebles, Consultant Radiologist, University Hospital Southampton NHS Foundation Trust, UK

**Dose reduction techniques** - Hatem Mansoubi, Clinical Director and Consultant Radiologist, Western Sussex Hospitals NHS Foundation Trust, UK

**Assessing valvular disease with CT** - Ben Hudson, Consultant Radiologist, Bath Radiology Group, 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

Congress programme - **Monday 2 July**

**B6**  
Urology

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

Overview of session:

- An interactive hands-on session reviewing prostate MRI studies and adopting a multiparametric approach to lesion assessment
- To learn about the pitfalls in prostate MRI and alternative pathology which may mimic prostate cancer
- To familiarise delegates with MRI assessment and reporting according to the latest PI-RADS guidance

**B7**  
Paediatrics

**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

**Making a safe environment - immobilisation and safeguarding 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

**Approaches to LMP and legal issues** - Andrea Hulme, Lead General Radiographer, Royal Manchester Children's Hospital, UK

**B8**  
Proffered papers

**Radiation protection and dose proffered papers**  
Chair: TBC

**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, 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

11.50 – 13.20 **EXHIBITION SESSION**

**Exhibition lecture**

**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 work flow efficiencies, diagnostic accuracy and patient outcomes?** - Jake Durgan, General Manager, International Radiology Informatics, 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 12.40 **Lunch, exhibition and education on the stands**

13.20 – 14.10 **SOCIETY KEYNOTE LECTURES**

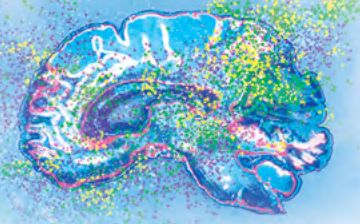
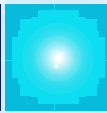
**BIR/Canon - Mayneord Award**  
The natural history of colorectal neoplasia - Perry Pickhardt, Gastrointestinal Radiologist, Wisconsin-Madison, USA

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

13.50 – 14.20 **EXHIBITION SESSION**

**DEMO ZONE**  
Change healthcare

**Change healthcare**  
**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



## Congress programme - Monday 2 July

### Afternoon sessions C:

14.10 – 15.40

<b>C1</b> UKRO	<p><b>Patient and Public Involvement (PPI)</b> PPI, using it properly, patient engagement - <i>Jane Maher, Chief Medical Officer, Macmillan Cancer Support, UK</i></p> <p><b>How social media research can contribute to improving the care and support of radiotherapy patients</b> - <i>Kim Meeking, Radiotherapy Research Advanced Practitioner, University Hospital Southampton NHS Foundation Trust, UK</i></p> <p><b>Examples of using PPI to influence and drive change</b> - <i>Dany Bell, Specialist Advisor, Macmillan Treatment and Recovery, UK</i></p>
<b>C2</b> Emergency and trauma INTERACTIVE	<p><b>Test yourself: Code red traumas and the acute abdomen</b> <i>Chair: Elizabeth Dick, Lead for Emergency Radiology, Imperial College London, UK</i></p> <p><b>Code red trauma calls - Do not miss this!</b> - <i>Elizabeth Dick, Lead for Emergency Radiology, Imperial College London, UK</i></p> <p><b>The role of the interventional radiologist in trauma</b> - <i>Graham Collins, Radiology Consultant, North Bristol NHS Trust, UK</i></p> <p><b>The acute abdomen</b> - <i>Beth Hankinson, Consultant, Royal Liverpool Hospital, UK</i></p> <p><b>Post operative acute abdomen</b> - <i>Priya Healy, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK</i></p> <p><b>This interactive session is case based – you can test your knowledge and pick up new pearls</b></p> <p>Overview of session:</p> <ul style="list-style-type: none"> <li>• How can the radiologist/interventionalist make a difference</li> <li>• ‘Do not miss’ examples from everyday practice</li> </ul>
<b>C3</b> Education	<p><b>Changes in radiology training</b> <i>Chair: Caroline Parkin, Consultant Radiologist, Manchester University NHS Foundation Trust, UK</i></p> <p><b>Shape of training and FRCR curriculum development</b> - <i>Jane Phillips-Hughes, Consultant Radiologist &amp; Chair of the RCR Curriculum Committee, Oxford University Hospitals NHS Trust, UK</i></p>

<b>C3</b> Education	<p><i>continued</i></p> <p><b>Maximising training production and quality: What we are doing in the NE and Cumbria</b> - <i>Richard Cooper, Consultant Radiologist South Tyneside NHS Foundation Trust, UK &amp; ex Head of the Northern School of Radiology, HEE North East, UK</i></p> <p><b>Evolution of the FRCR exam</b></p> <ul style="list-style-type: none"> <li>• <i>Jo Fairhurst, Consultant Paediatric Radiologist &amp; Chair of Fellowship Examination Board, UK</i></li> <li>• <i>David Salvage, Consultant Radiologist, Chair of FRCR 2B Examination Board, UK</i></li> <li>• <i>Daniel Connolly, Consultant Radiologist, Chair of FRCR 2B Examination Board, UK</i></li> </ul> <p><b>Overview of session:</b> This session provides an overview of recent changes to the FRCR curriculum, radiology training in the UK and the FRCR exam.</p>
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<b>C4</b> Breast	<p><b>Breast</b> <i>Chair: Tamara Suaris, Consultant, St Bartholomew's Hospital, London, UK</i></p> <p><b>Risk stratification in breast screening</b> - <i>Sarah Vinnicombe, Clinical Senior Lecturer and Honorary Consultant Radiologist, Ninewells Hospital &amp; Medical School, UK</i></p> <p><b>Challenges and opportunities for the breast screening workforce</b> - <i>Claire Borelli, St Georges Hospitals NHS Foundation Trust, UK</i></p> <p><b>Radiology and surgical planning: What a surgeon needs to know</b> - <i>Laura Johnson, Consultant Oncoplastic and Reconstructive Breast Surgeon, St Bartholomew's Hospital, London</i></p> <p><b>DeepMind's approach to AI in health</b> - <i>Tony Corkett, Partnerships and Deployment Manager, DeepMind Health, UK</i></p>
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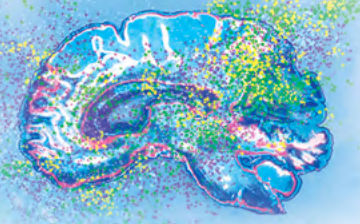
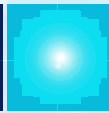
<b>C5</b> Cardiac	<p><b>Cardiac OsiriX</b></p> <p><b>Facilitators:</b></p> <ul style="list-style-type: none"> <li>• <i>Swamy Gedela, Consultant Cardio-Thoracic Radiologist, Essex Cardio-Thoracic Centre, Basildon, UK</i></li> <li>• <i>Bobby Agrawal, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK</i></li> </ul>
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<b>C6</b> Urology	<p><b>Stone disease and tumour ablation</b> <i>Chair: Amit Patel, Consultant Radiologist, Lister Hospital, UK</i></p> <p><b>Urinary tract stones - image driven datasets and management planning</b> - <i>Uday Patel, Consultant Radiologist, St George's University Hospitals NHS Foundation Trust, UK</i></p> <p><b>What's changed in interventional urology?</b> - <i>Julian Keanie, Radiologist, Western General Hospital, Edinburgh, UK</i></p> <p><b>Image guided ablation of renal tumours</b> - <i>Phil Haslam, Consultant Radiologist, The Newcastle upon Tyne Hospitals NHS Foundation Trust, UK</i></p> <p><b>Overview of session:</b></p> <ul style="list-style-type: none"> <li>• An update on the multi-modality approach imaging approach of renal stone disease, including the application of dual energy CT</li> <li>• To discuss recent advances and changes in interventional urology, including review of percutaneous nephrostomy insertion, ureteric stenting and management of stone disease</li> <li>• To educate on case selection and technique of image guided ablation of renal tumours as an alternative to surgery</li> </ul>
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<b>C7</b> Paediatrics	<p><b>Changing patterns of disease in children</b> <i>Chair: Andrea Brammer, Risk Manager and Paediatric Radiographer, Manchester University NHS Foundation Trust, UK</i></p> <p><b>Emerging infections</b> - <i>Caren Landes, Consultant Paediatric Radiologist and Service Group Lead for Radiology, Alder Hey Children's NHS Foundation Trust, UK</i></p> <p><b>The changing epidemiology of oncology during childhood</b> - <i>Marina Easty, Consultant Paediatric Radiologist, Great Ormond Street Hospital, UK</i></p> <p><b>Disease modulation by treatment</b> - <i>Kevin Webb, Consultant Respiratory Physician, University Hospital of South Manchester NHS Foundation Trust, UK</i></p> <p><b>Gender dysmorphia</b> - <i>Jenny McKinstry, Superintendent Radiographer, Royal Belfast Hospital for Sick Children, UK</i></p>
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## Congress programme - Monday 2 July

<p><b>C8</b> Informatics</p>	<p><b>AI panel discussion - Rise of the machines?</b>  <b>Chair:</b> Rizwan Malik, Consultant Radiologist, Royal Bolton Hospital, UK  <b>Panel discussion: AI vs machine learning: Rise of the machines or the emperor's new clothes?</b></p> <ul style="list-style-type: none"> <li>• Steven Tolle, VP/Chief Strategist of Watson Health Imaging, IBM, Republic of Ireland</li> <li>• Nynke Breimer, Director Business Development, Aidence, The Netherlands</li> <li>• Eliot Siegel, Professor and Vice Chair for Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA</li> <li>• Hugh Harvey, Radiologist, Institute of Cancer Research, London, UK</li> <li>• Anjum Ahmed, Director Imaging Information Systems, Agfa HealthCare, Canada</li> <li>• Christopher Austin, Medical Director, Imaging AI and Analytics, GE Healthcare, USA</li> </ul> <p><b>Overview of session:</b> In this dynamic session, we look to demystify the reality from the showbiz of Artificial Intelligence, exploring issues such as the various terms used, difference approaches between suppliers, what is currently achievable, and how we can bring cutting edge AI to closed systems such as the NHS.</p>	<p>14.20 – 15.40 <b>EXHIBITION SESSION</b></p> <p><b>Exhibition lecture</b></p> <p><b>Consolidated data management</b>  <b>Chair:</b> Maryann Hardy, Professor of Radiography &amp; Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK</p> <p><b>Realising individual, societal and global healthcare benefits: The opportunities from consolidated data</b> - Andrew Morris, Director of UK Health &amp; Biomedical Informatics Research Institute (HDR-UK), UK</p> <p><b>Integrated oncology informatics - evidence-driven decisions and personalised cancer care</b> - Stephen McMillan, Solutions Lead, UKI, Business Manager for UKI Healthcare Informatics, Philips UK&amp;I, UK</p> <p><b>Consolidated data management systems: Impact on future healthcare delivery</b> - Roy Kinnear, Sales Director, Intelrad UK&amp;I, UK</p> <p><b>Panel discussion</b></p>	<p>15.50 – 17.20</p> <p><b>D1</b> UKRO</p> <p><b>Patient safety in radiotherapy</b>  <b>Radiotherapy errors and near misses – new and updated taxonomies, causative factors and safety barriers</b> - Helen Best, Senior Clinical Radiotherapy Officer, Public Health England, UK  <b>How the IAEA are tackling global challenges</b> - Kirsten Hopkins, Consultant Clinical Oncologist, University Hospital Bristol Foundation Trust, UK (invited)</p>
<p><b>C9</b> Multisystem</p>	<p><b>Post mortem CT</b>  <b>Chair:</b> Bruno Morgan, Professor of Cancer Imaging and Radiology, University of Leicester, UK  <b>Can imaging diagnose the cause of natural death?</b> - Zoe Traill, Consultant Radiologist, Oxford University Hospitals NHS Trust, UK  <b>Setting up NHS post-mortem imaging</b> - Simon Beardsmore, Consultant Radiologist, Lancashire Teaching Hospitals, UK  <b>Scanning for mass fatality incidents</b> - Claire Robinson, Advanced Practitioner Forensics, University Hospitals of Leicester NHS Trust, UK  <b>Forensic post-mortem imaging</b> - Siobhan McLaughlin, Consultant Radiologist, Royal Infirmary of Edinburgh, UK</p>	<p><b>Afternoon sessions D:</b></p> <p>15.00 – 16.00</p> <p><b>DEMO ZONE</b> AGFA</p> <p><b>MUSICA image processing - Care you can see</b>  <b>Optimisation of image processing algorithms for bed-side chest radiography; A comparison of two generations of Agfa MUSICA</b> - 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  <b>Measurement of operator scatter for endoscopy procedures employing a tube over couch system</b> - Paul Charnock, Clinical Scientist, Medical Physics Expert and Radiation Protection Advisor, Integrated Radiological Services (IRS) Limited, UK</p>	<p><b>D2</b> MSK</p> <p><b>To the knee and beyond...</b>  <b>Chairs:</b> Hifz Aniq, Consultant Radiologist, Royal Liverpool and Broadgreen University Hospitals Trust, UK and Dhiren Shah, Consultant Musculoskeletal Radiologist, London North West Healthcare NHS Trust, UK  <b>Anterior knee pain</b> - Janani Pillai, Consultant Radiologist, London North West Health Care NHS Trust, UK  <b>Lower limb MSK intervention - tips and tricks</b> - Dhiren Shah, Consultant Musculoskeletal Radiologist, London North West Healthcare NHS Trust, UK  <b>Non-traumatic causes of heel pain: Imaging findings</b> - Imran Khan, Consultant Musculoskeletal Radiologist, University Hospitals of Leicester NHS Trust, UK  <b>Imaging of metatarsalgia</b> - Hifz Aniq, Consultant Radiologist, Royal Liverpool and Broadgreen University Hospitals Trust, UK</p> <p><b>Overview of session:</b></p> <ul style="list-style-type: none"> <li>• Review the common causes of anterior knee pain and the imaging assessment of patellofemoral dysfunction</li> <li>• Review the causes and imaging findings of hindfoot and forefoot pain</li> <li>• Appreciate the pearls and pitfalls of lower limb MSK intervention</li> </ul>
<p><b>C10</b> UKRO</p>	<p><b>Knowledge based planning – The needs of contemporary knowledge based planning</b>  <b>Overview and update</b> - Andy Beavis, Consultant Medical Physicist and Head of Radiation Physics, Hull and East Yorkshire NHS Hospitals Trust, UK  <b>MR imaging planning</b> - Martin Menten, The Institute of Cancer Research and The Royal Marsden NHS Foundation Trust, London, UK (invited)</p>	<p>From 15.30 <b>Refreshments and exhibition, poster viewing, demo sessions and education on the stands</b></p>	<p><b>D3</b> Service delivery</p> <p><b>Building an efficient, integrated and diverse radiology service</b>  <b>Chair:</b> Peter Sharpe, Chief Executive Officer, Cobalt Health, UK  <b>Radiography reporting: An academy perspective</b> Sanjoy Nagaraja, Consultant Radiologist, Sheffield Teaching Hospitals NHS Trust, UK</p>



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**D3**  
Service delivery

*continued*

**Diversity awareness in system change** - Paul Deemer, Head of Diversity and Inclusion, NHS Employers, UK

**National imaging transformation programme - Progress so far** - Fiona Thow, Head of Imaging Services Transformation, NHS Improvement, UK

**Integrating radiology IT to improve services between partner NHS organisations** - Daniel Fascia, Consultant Radiologist & Clinical Lead, Yorkshire Imaging Collaborative, UK

Overview of session: This session will provide learning on a range of service improvement options which are pertinent today.

**D4**  
Breast

**Tomosynthesis workshop**

Facilitators:

- David Evans, Consultant Radiologist, St Bartholomew's Hospital, London, UK
- Tamara Suaris, Consultant, St Bartholomew's Hospital, London, UK

**D5**  
Cardiac

**Imaging acute chest pain**  
Chair: TBC

**Imaging acute aorta 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, Royal Brompton & Harefield NHS Foundation Trust, UK

**D6**  
Urology

**Interactive uro radiology 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

**Imaging of adrenal gland** - Harry Bardgett, Consultant Radiologist, Bradford Royal Infirmary, UK

**Interactive uro radiology quiz** - Jane Belfield, Lead Radiologist for Urology, Clinical Director, Royal Liverpool and Broadgreen University Hospitals NHS Trust, UK

**D6**  
Urology

**INTERACTIVE**

*continued*

Overview of session:

- To interactively review multi-modality imaging of renal lesions, discussing differential diagnoses, management approaches and challenging cases
- To interactively learn about approaches in characterising adrenal lesions, with reference to CT and MRI cases
- To interactively work through challenging uro radiology cases with live audience voting

**D7**  
Paediatrics

**Paediatrics OsiriX**

**D8**  
Joint UKRC session

**Respiratory motion management**  
Chair: TBC

**Respiratory motion management issues** - Mike 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

**Overview of cardiac gating as used in diagnostic practice** - Bobby Agrawal, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK

### 16.00 – 17.20 EXHIBITION SESSION

**Exhibition lecture**

**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**

### 17.30 – 18.30

**Doctorate den**

**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. Following positive feedback from UKRCO 2017 the Doctorate Den returns. In 2016, the Society & College of Radiographers released the "Research Strategy 2016-2021" and pledged 1% of the profession would hold doctorates by 2021. Be part of the growing community of "radiographers' undertaking doctorates" to advance the profession. This year's session will include a presentation of case-studies on the different doctorate routes followed by a Q&A session and informal networking. Overview of session:

- 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**

**Fellowship speed dating**  
Following the successful launch of a radiology fellowship networking event last year, the session is being rerun at UKRCO 2018. The event enables trainees interested in doing fellowships to meet with representatives from units that offer fellowships. It is an informal gathering during the wine reception in the demo zone of the main exhibition hall. 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

From 17.15

Welcome wine reception in exhibition and poster viewing