**Monday 2 July**

**08.30 – 09.50 Morning sessions A:**

**A1 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 helomynamesty story - through adversity comes legacy - Chris Pointon, Co-founder & Global Campaign Ambassador, helomynamesty.org.uk, UK

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**A2 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 Bankas, Consultant Orthopaedic Surgeon, Guy's Hospital and Fortius Clinic, London, UK

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**A3 Service optimisation and QA proffered papers**
Chair: Nicholas Wozniza, Clinical Academic Reporting Radiographer, Hamorton University Hospital NHS Foundation Trust, UK

Assuring a representative research sample: Importance of evaluating the demographics of those who decline to participate in research - Craig Rose, 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 Athil, 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

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**A4 The new regulations**
Chair: Graham Hart, RPA/LPA, Your RPA, UK

IR2017 - Andrew Davies, Specialist Inspector (Radiation), Health and Safety Executive, UK

IRMER 2017 - Gail Dovehouse, Senior Clinical Diagnostic Officer, Medical Exposures Group, Public Health England, UK

Discussion

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**A5 Imaging in heart muscle disease**
Chair: Hatif Mansoub, Clinical Director and Consultant Radiologist, Western Sussex Hospitals NHS Foundation Trust, UK

Echo in cardiomyopathy - Lynne Williams, Consultant Cardiologist, Royal Papworth Hospital, UK

CMR of non-ischaemic cardiomyopathy - Bobby Agarwal, Consultant Radiologist, Royal Papworth Hospital NHS Foundation Trust, UK

CMR of ischaemic cardiomyopathy - Vass Vassilou, Cardiology Consultant, West Suffolk & Royal Brompton Hospitals, UK

PET CMR in cardiomyopathy - Simon Mann, Institute of Nuclear Medicine, University College London Hospitals, UK

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**A6 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 - Hashmin Ahmed, Chair of Urology (Clinical), Imperial College London, UK

Developing and maintaining a prostate MRI service - Tristan Barlett, Consultant Radiologist, University of Cambridge, UK

Contrast controversies in prostate MRI: Biparametric or multiparametric? - Jonathan Richenberg, Consultant Radiologist, Royal Sussex County Hospitals, Brighton, UK

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**A7 History and proffered papers**
Chair: Nicholas Wozniza, Clinical Academic Reporting Radiographer, Hamorton University Hospital NHS Foundation Trust, 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 Heartlands Hospital, UK

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

Panel discussion

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**A8 Cybersecurity**
Chair: Florian Malik, Consultant Radiologist, Royal Bolton Hospital, UK

Cybersecurity: An IT perspective - Brett Wilmesley, 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
MONDAY 2 JULY

09.00 EXHIBITION OPENS

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

10.10 – 11.10 JOINT UKRCO PLENARY SESSION

**Exteriors** - 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**

Influential incidental fractures - vertebral fracture in CT - Jill Griffin, Consultant Practitioner, Plymouth Hospitals NHS Trust, Derriford 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

11.30 – 12.50 EXHIBITION SESSION

**MSK Ultrasound Upper**

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:

**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 Conibeer, Consultant Oncologist, St Bartholomew’s Hospital, UK

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

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

**Emergency head and spine imaging**

Chair: Lisa Meacock, Consultant Radiologist, King’s College Hospital NHS Foundation Trust, UK

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

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

**Intelligent workflow in radiology**

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

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

Workflow innovations in radiology information systems - Brian Ellwood, Product Manager, Soitan IT, UK

**Cardiac CT beyond the coronary arteries**

Chair: Charles Pestakis, 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 - Michele Williams, Clinical Lecturer in Cardiac Radiology, The University of Edinburgh, UK

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

**Prostate MRI workshop**

Facilitators: Amit Patel, Consultant Radiologist, Lister Hospital, UK

Tristan Barret, 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

**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
**MONDAY 2 JULY**

**11.50 – 13.10 EXHIBITION SESSION**

**B7 Paediatrics**
- ROOM 11B

**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
- Construction and implementation of a low cost paediatric pelvic imaging phantom for dose optimisation studies - Ali Mohammed Ali, PhD Student, University of Salford, UK
- A prospective cohort study exploring technique change in pelvic radiography - Kevin Flintham, Advanced Radiographer Practitioner, The Mid Yorkshire Hospitals NHS Trust, 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), Barnsley Hospital and Washington University and Siteman Cancer Center, USA

**B8 Proffered paper**
- ROOM 3A

**13.20 – 13.35 DEMO ZONE SESSION**

**Everlight Radiology**

- Radiologist job opportunities with Everlight in Australia and New Zealand - Dr Robin Evans, Clinical Director UK, Everlight Radiology, UK
- Asymptomatic isolated neurovascular lesions - Kevin Massoudi, Program Lead, Digital Health EMEA, Varian Medical Systems, UK

**13.10 - 14.10 EXHIBITION SESSION**

**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 Centre, UK
- Transforming cancer care - Kevin Massoudi, Program Lead, Digital Health EMEA, Varian Medical Systems, UK

**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**

- 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 Centre, UK
- Transforming cancer care - Kevin Massoudi, Program Lead, Digital Health EMEA, Varian Medical Systems, UK

**13.30 – 14.00 MATERIALISE**

**EXHIBITION THEATRE**

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

**14.00 – 15.20 EXHIBITION SESSION**

**EXHIBITION THEATRE**

**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

**EXHIBITOR LIST & PLAN**

- 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

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#UKRCO2018
Patient and Public Involvement (PPI)

Chairs: Angela Baker, President, UKRO, UK and Jeanette 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
- Deny 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 Therapist Radiographer, NHS Lothian, UK

Test yourself: Code red traumas and the acute abdomen

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

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

The role of the interventionalist in trauma - Graham 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

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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

Breast

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

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

Stone disease and tumour ablation

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

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

What’s changed in interventional uroradiology?
- Julian Kearnie, 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

Changin 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

AI panel discussion - Rise of the machines?

Chair: Razwan 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
- Elct Siegel, Professor and Vice Chair for Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA
**Monday 2 July**

**Exhibition Session**

**C8: Informatics**

**Room 1C**

**C9: Multisystem**

**Room 1B**

**C10: UKRO**

**Room 3A**

**Programme**

**Welcome & Exhibitor Theatre**

**Room 22**

**Demonstration Zone Session**

15.00 – 16.00

**AGFA**

**Room Demo**

**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

**Drop in sessions**

**FRCR**

**Room 22**

**FRCR VIVA teaching tutorial run by experienced FRCR tutors**

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

**Afternoon Sessions D:**

15.50 – 17.20

**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 - Raj 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

**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 Healthcare NHS Trust, UK

Lower limb MSK intervention - tips and tricks - Dhiren Shah, Consultant Musculoskeletal Radiologist, London North West Healthcare NHS Trust, UK

Non-traumatic causes of heel pain: Imaging findings - Imran Khan, Consultant Musculoskeletal Radiologist, University Hospitals of Leicester NHS Trust, UK

Imaging of metatarsalgia - Aniq Hifz, Consultant Radiologist, Royal Liverpool and Broadgreen University Hospitals Trust, UK

**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
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 Hancox, 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 Thew, Head of Imaging Services Transformation, NHS Improvement, UK

Improving radiology services, a national perspective - Tony Newman-Sanders, National Clinical Director for Diagnostics and Imaging and Clinical Director, Diagnostic Imaging, Surrey and Sussex Healthcare, UK

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

Imaging acute chest pain
Chair: Bobby 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

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

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

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

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 - Rowan Malk, 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

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

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.
# UKRO 2018

## Welcome & Acknowledgements

## UKRO Posters

## UKRC Posters

## Exhibition Information & Plan

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### Congress Overview - Tuesday 3 July: Radiotherapy Service Delivery Day

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### Joint UKRCO Plenary Session


**IPEM John Mallard Lecture**

David Parker, Professor of Medical Physics, Institute of Neuroscience and Psychology University of Glasgow, UK

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**Referrals, exhibition and poster viewing**

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### Joint Congress Supper

**19:30 AXREM dinner and Joint Congress Supper**
08.00 – 09.20 Morning sessions E:

**E1**
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 - Una 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**
Marrow imaging and bone tumours
Chair: Qaiser Malik, Consultant Radiologist, Basildon and Thurrock University Hospital NHS Trust, UK
Normal marrow imaging pattern - Ishaq Umi, 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**
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? - Suajal Desai, Consultant Radiologist, Royal Brompton and Harefield NHS Foundation Trust, UK
Emerging infections - Carolyn Allen, Consultant Radiologist, The Pannee 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? - Suajal Desai, Consultant Radiologist, Royal Brompton and Harefield NHS Foundation Trust, UK

**E4**
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**
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**
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
- Siham Sudderuddin, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
- Nishat Bharwani, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

**E7**
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
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 Herdy, Professor of Radiography & Imaging Practice Research, Faculty of Health Studies, University of Bradford, UK
Imaging the obese patient - Karen Knapp, Head of Medical Imaging, University of Exeter, UK
Therapeutically advantageous methods 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 biometry technology can aid consistent MR imaging for each and every patient - Rebecca Ramb, Product Manager MAGNETOM Aera and MAGNETOM Solo, Siemens Healthineers, UK
Panel discussion

11.00 – 11.30 DEMO ZONE SESSION

**Bayer**

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

11.20 – 12.10 Drop in sessions

**FRCR**

**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/PCS 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**

**UKRO**

**HALL 1C**

**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
Infectious diseases of the spine - Rowena Johnson, Consultant Musculoskeletal Radiologist, Oxford University Hospitals NHS Trust, UK

12.00 – 12.30 DEMO ZONE SESSION

**F3**

**Chest - Osirix**
ROOM 3B

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

12.40 – 13.00 EXHIBITION SESSION

**F4**

**Research**
ROOM 3A

**Getting funding for your research:**
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 Tra Ine Coordinating Centre, UK
NIHR fellowships - Charlotte Minter, Programme Manager, NIHR Tra Ines Coordinating Centre, UK
Manager, NIHR, UK
Being a NIHR doctoral fellow - Claire Robinson, Advanced Radiographer Practitioner (Forensics), University Hospitals Latic NHS Trust, UK
Top tips for successful applications - Beth Harris, Senior Programme Manager, NIHR Tra Ines Coordinating Centre, UK and Charlotte Minter, Programme Manager, NIHR, UK

13.00 – 14.00 DEMO ZONE SESSION

**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

14.00 – 14.30 EXHIBITION SESSION

**F6**

**Obs and Gynae**
ROOM 3B

**Imaging of the adnexa**
Chair: Nishat Bharwani, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
CTA 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 USS- indeterminate adnexal lesions - Andrea Rockall, Consultant Radiologist, The Royal Marsden Hospital and Visiting Professor of Radiology, Imperial College London, UK
Panel discussion

14.30 – 15.30 DEMO ZONE SESSION

**F7**

**GI and hep**
ROOM 3B

**Incidentalomas and things of mystery**
Chair: James Stephenson, Consultant Radiologist, University Hospitals of Leicester NHS Trust, UK
Incidental pancreatic lesions - Brinder Singh Mohan, 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
14.00 – 15.20 **Afternoon sessions G:**

**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


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

**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

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

Panel case based discussion

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

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

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

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

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

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13.30 – 14.00 **DEMO ZONE SESSION**

**Bayer**

**Stress perfusion CMR... Is this the method of choice for the detection of myocardial ischaemia?**
Amedeo Chiribiri, Head of Adult Cardiac MRI & Senior Lecturer Cardiovascula Imaging, The Rayne Institute, St Thomas' Hospital, UK
TUESDAY 3 JULY

14.50 – 16.10 EXHIBITION SESSION

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 (Circa) & 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

SMRT Ultrasound Upper / Lower

H1

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:

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 - Yet Man Tsang, Consultant Radiographer - Specialised Service Delivery, Mount Vernon Cancer Centre, East and North Hertfordshire NHS Trust, UK

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

Implementing IRR2017
Chair: Orsolya Hart, FPA/LPA, Your FPA, 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
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
Fleischer 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

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 Service (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 - Meenakshi Mehta, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
Iodinated contrast induced nephrotoxicity - Sarah Sheard, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

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

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

National informatics resources
Chair: Fizwan 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 of NHS digital academy - Rachel Duncombe, Director of Digital, Salford Royal NHS Foundation Trust, UK
Panel discussion: The impact of new resources and initiatives for informatics in UK

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

Practical issues in radiation protection
Chair: Graham Hart, FRA/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 Radiation Physics, Nottingham University Hospitals NHS Trust, UK

16.20 – 17.20
EXHIBITION SESSION

16.20 – 17.20
Drop in sessions
FRCR VIVAS teaching tutorial run by experienced FRCR tutors

19.30
AXREM dinner

Joint congress summer social
# Congress Overview - Wednesday 4 July

## Asset Management Day

<table>
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<th>Time</th>
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<td>09:00</td>
<td>Registration Open</td>
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<tr>
<td>09:10</td>
<td>UKRO Tutorial</td>
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<td>Joint UKRCO debate - Knowledge: How much is too much?</td>
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<td>10:10</td>
<td>Lunch, exhibition, poster viewing and education on stands</td>
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<td>11:00</td>
<td>Cor Welbeck Memorial Lecture: Leadership: The next generation</td>
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<td>12:00</td>
<td>IPEM Douglas Lea Lecture: The Radiology of Advanced Radiotherapy, A Journey Through Space and Time</td>
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<td>Kevin Miles, Professor of Radiation Biology, Centre for Cancer Research &amp; Cell Biology, Queen's University Belfast, UK</td>
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<td>13:40</td>
<td>Exhibition closes 14.00</td>
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**UKRO Exhibition Information & Exhibitor Theatre**

- **List & Plan**
- **Posters & Posters Posters**
- **Programme**
- **Education**
- **Exhibition Demo Zone**
- **Information ePosters**
- **Stands Information ePosters**
Adaptive radiotherapy 
Chair: Angela Baker, President, UKRCo, UK
Update of next generation radiotherapy treatment - Andrea Owo, 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 - Qi-Ching Choi, Cancer Centre London, UK
Dose painting for prostate cancer with external beam radiotherapy: Factors affecting the feasibility of treatment planning and dose delivery - Steve Blake, Head of Radiotherapy Physics, University Hospitals Bristol, UK

Imaging in sport
Chair: Amanda Isaac, Consultant Musculoskeletal Radiologist, Guy’s & St Thomas’ Hospitals NHS Foundation Trust, UK
Endorsed by European Society of Musculoskeletal Radiology
PLAC injuries, clinical implications - 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

Educating a new generation of radiographers
Chair: Janece St. John-Matthews, Academic Director, Department of Allied Health Professions, The University of the West of England, UK
Generation Z - Jessica Coggans, 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 Practitioner Radiographer, University Hospitals of North Midlands, 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

Essential topics in PET-CT
Chair: Karna 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 CPG NHS England, UK

Continued
Preparation, protocols and pitfalls - Bal Sanghara, 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

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

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

Body imaging proffered papers
Chair: Vikas Shah, Consultant Radiologist, University Hospitals of Leicester, UK
Histological success rate of transjugular liver biopsies - Nagashan Abimanyu, Doctor, 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 Helleman, 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, Consultant Radiologist, 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
WEDNESDAY 4 JULY

09.20 EXHIBITION OPENS

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

10.10 – 11.10 JOIN UKRCO DEBATE

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

10.10 – 11.10 UKRO TRIALS

UK clinical trials in the spotlight
Chair: Elizabeth Miles, Coordinator National Radiotherapy Trials QA (RTTQA) Group, East and North Hertfordshire NHS Trust, UK
IT infrastructure to support a national radiotherapy trials QA programme - Rushil Patel, Lead SABR Physicist RTTQA, Mount Vernon Cancer Centre, UK
Does the size of CTV-PTV margin in dysphagia-optimised intensity modulated radiotherapy (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 Diaz, Clinical Scientist, National Radiotherapy Trials Quality Assurance (RTTQA) Group, Mount Vernon Cancer Centre, UK
A survey of UK bladder imaging practice: Pre-trial quality assurance for RAIDER phase II trial of adaptive image guided bladder radiotherapy - Amanda Webster, Therapeutic Radiographer, National Radiotherapy Trials Quality Assurance Group, Mount Vernon Cancer, UK

11.20 – 12.50 Morning sessions J:

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? - Ibrahim Munneke, SIRT Lead and Interventional Radiologist, University College Hospital, UK and Colin Baker, Head of Radiotherapy Physics, Royal Berkshire NHS Foundation Trust, UK
TACE: Chemoembolization in the liver; experience from a tertiary centre - Dylan Lewis, Consultant Radiologist, King’s College Hospital, UK

11.20 – 12.30 EXHIBITION SESSION

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 Suvanna, 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

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
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

**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 Rosol-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

**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 Snath, 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, Professional Policy, The Society and College of Radiographers, UK

Discussion

**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 Physicist, The Christie NHS Foundation Trust, UK

Panel discussion and questions

**Implementing IRMER18**
Chair: Graham Hart, RPA/LPA, Your RPA, UK

What the regulator will expect from healthcare establishments under IRMER17 - 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

**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 McDougall, Research Delivery Manager (Acting) and Lead Research Nurse, NIHR Clinical Research Network GCP, UK and Chris Rymeres, Lead Nurse, Yorkshire and Humber, NIHR Clinical Research Network, UK

Health Research Authority approval processes: Tips for successfully gaining your approval - Ancushika Tapielow, 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 McDougall, Research Delivery Manager (Acting) and Lead Research Nurse, NIHR Clinical Research Network GCP, UK and Chris Rymeres, Lead Nurse, Yorkshire and Humber, NIHR Clinical Research Network, UK

Active research participation and monitoring: Why investment in a research radiographer could be a real money spinner - Martina Harris, Research Radiographer, Mid Yorkshire Hospitals NHS Trust, UK

**Head and neck & neuro proffered papers**
Chair: Rhiann 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 imaging series outlining rapid and safe mechanical thrombectomy in hyperacute stroke - Ganeshan Rammasy, 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
**WEDNESDAY 4 JULY**

### 12.50 – 14.10 EXHIBITION SESSION

**EXHIBITION THEATRE**

**You want it...but how might you get it? Insights into business case options**
- Chair: Andrea Branner, 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**

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### 13.00 – 13.50 SOCIETY KEYNOTE LECTURES

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

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

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### 13.30 – 14.00 DEMO ZONE SESSION

**PRDA/BIR DEMO ZONE**

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

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### 14.10 – 15.30 Afternoon sessions K:

**K1 UKRO**
- **Closing plenary session**
  - Chair: 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 Pain, 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**
- **The future of MSK radiology**
  - Chair: David Silver, President of British Society of Skeletal Radiologists and Consultant MSK Radiologist, Davon, UK
  - Training in MSK radiology - Dancoob Dalil, 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

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**K3**
- **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 Sahbbl, 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
  - An clinical academy for radiographer reporting - The trainee’s perspective - Scott Rainie, 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

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**From 12.40**

- Lunch, exhibition and education on the stands

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**13.00 – 13.50**

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

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**13.30 – 13.50**

**SOCIETY KEYNOTE LECTURES**

**CION**
- **Proffered papers**
  - **Room 4**

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**14.10 – 15.30**

**Afternoon sessions K:**
### Molecular imaging

**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** - Srinan 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

### Neuro imaging

**K5**

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

### Magnetic resonance imaging

**K6**

**BAMRR session - Contemporary practice in MRI**  
Chairs: Janine Sparkes, Past President, BAMRR, UK and Lisa McBean, 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

### Medical informatics

**K7**

**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** - Marnel 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

### Wednesday 4 July

15.30 Close of congress

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