**MONDAY 12 JUNE**

**08:30 - 19:00 registration open**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Plenary session: Will robots replace surgeons? Shafi Ahmed, Consultant General, Laparoscopic and Colorectal Surgeon, Associate Dean and Honorary Senior Lecturer, Barts and the London Medical School, UK, Machine learning and AI. Eliot Siegel, Professor and Vice Chair Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA.</td>
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<tr>
<td>09:00</td>
<td>Exhibition opens</td>
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<tr>
<td>09:10</td>
<td>Refreshments, exhibition, poster tours and education on stands</td>
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<tr>
<td>10:00</td>
<td>Lunch, exhibition and education on stands</td>
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<td>10:10</td>
<td>Dr. Bolderston, Provincial Professional Practice and Academic Leader, British Columbia Cancer Agency, Canada, Coming out in healthcare.</td>
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<td>11:00</td>
<td>Doctorate discussions</td>
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<td>11:10</td>
<td>FrCr drop in sessions</td>
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<td>11:30</td>
<td>Virtual reality true 3d</td>
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<td>11:40</td>
<td>UKro Brachytherapy</td>
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<td>11:50</td>
<td>Functional topics in gynaecology</td>
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<td>12:00</td>
<td>Head and neck osiriX</td>
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<td>12:10</td>
<td>UKro Clinical measuring toxicity</td>
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<td>12:20</td>
<td>Proffered papers: service optimisation</td>
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<td>12:30</td>
<td>Multinational pelvic pain workshop</td>
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<td>12:40</td>
<td>Head &amp; Neck Cyber attack</td>
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<td>13:00</td>
<td>RMS masterclass: RPM regulations</td>
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<td>13:10</td>
<td>Colloquium between NHS and the private sector. Prof. Aldis Traugott, President, Traugottit.</td>
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1A Building a world class radiotherapy service for the 21st century
Chair: Angela Baker, President, UKRCO, UK
Challenges and strategy for implementation of a sustainable radiotherapy service
Nick Slevin, Consultant Clinical Oncologist, The Christie NHS Foundation Trust, UK
Developing an internationally competitive radiotherapy research programme
Anthony Chalmers, Professor of Clinical Oncology, University of Glasgow, UK

08.30 – 09.50

1B Closing the gap - radiographers contribution to image interpretation in 2017
Chair: Bev Snaith, Lead Consultant Radiographer, Mid Yorkshire Hospitals NHS Trust, UK
Reducing the potential for error and miscommunication in the emergency department - can Australian radiographers reach new heights? Michael Neep, Metro South Health, Queensland, Australia
Radiographers and lung cancer: An opportunity for change? Nick Woznitza, Clinical Academic, Reporting Radiographer, Homerton NHS Trust & Canterbury Christ Church University, UK
The radiologists view Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK
The managers view: A DGH journey from start to finish...why a consultant radiographer? Mark Buckley, Professional Lead Radiology, Medical Physics, Medical Photography, Cardiac and Respiratory Physiology, The Rotherham NHS Foundation Trust, UK

08.30 – 09.50

1C New approaches to neurosurgery and neuro- oncology
Chair: John Rigby, Head of Magnetic Resonance Physics, Leeds Teaching Hospitals NHS Trust, UK
Advanced MR imaging techniques for neurosurgical planning - a neurosurgeon’s perspective John Goodden, Consultant Neurosurgeon, Leeds Teaching Hospitals NHS Trust, UK
Advanced MR imaging techniques for neurosurgical planning - a clinical scientist’s perspective Arshad Zaman, Clinical Scientist, Leeds Teaching Hospitals NHS Trust, UK
Dose verification for proton therapy - a medical physicist’s perspective Marco Pinto, Senior Researcher, Medical Physics, Ludwig-Maximilians-Universität, Munich, Germany

08.30 – 09.50

1D The Italian job
Chair: Nicki Delves, Consultant MSK Sonographer, Royal Surrey County Hospital, UK
Median nerve Sonia Airaldi, Resident Radiologist, University of Genoa, Italy
Ulnar nerve Federico Zantutini, Resident Radiologist, University of Genoa, Italy
Radial nerve Carlo Martinoli, Professor of Radiology, University of Genoa, Italy

08.30 – 09.50

1E Soft tissues
Chair: Rhiannon Rhys, Consultant Radiologist, Gwmi Taf University Health Board, UK
Thyroid nodules - an epidemic! Steve Colley, Consultant Radiologist, University Hospital Birmingham NHS Trust, UK
Parathyroid imaging update Polly Richards, Consultant Radiologist; Barts NHS Trust, UK
Salivary stones, baskets and balloons Nick Drage, Consultant Dental and Maxillofacial Radiologist, Cardiff and Vale University Health Board, UK
Sialendoscopy and minimally invasive salivary surgery Katherine George, Consultant Oral and Maxillofacial Surgeon, King’s College Hospital, Guy’s & St Thomas’ NHS Foundation Trust, UK

08.30 – 09.50

1F Urology
Chair: Alison Bradley, Consultant Radiologist, Royal Cornwall Hospitals Trust, UK
Imaging of prostate cancer. Current status Peter Beddy, Consultant Radiologist, St James Hospital, Dublin, Ireland
Staging of renal cancer Graeme Goveynder, Consultant Radiologist, St James Hospital, Dublin, Ireland
Scrotal tumours Navin Ramachandran, Consultant Radiologist, University College Hospital, London, UK

08.30 – 09.50

1G Introduction to OsiriX for beginners
Introductory workshop with MAC workstations loaded with OsiriX, to enable participants to look at case studies.

10.10 – 11.10

Opening plenary
Chair: Maryann Hardy, President, UKRC, UK
Will robots replace surgeons? Shafi Ahmed, Consultant General, Laparoscopic and Colorectal Surgeon, Associate Dean and Honorary Senior Lecturer, Barts and the London Medical School, UK
Machine learning and AI Eliot Siegel, Professor and Vice Chair Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA

11.10

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

11.20 – 11.50

Virtual reality True 3D
This session will give attendees the opportunity to view CT and MRI data sets in True 3D. Patient specific anatomy will be visible in the open 3D space on top of the monitor screen using the EchoPixel True 3D software. Participants will be able, in small groups, to interact with the full DICOM data set in real-time, enabling them to reach in, grasp, dissect and interact with the key clinical features in a truly 3D form, as if they were the real physical objects.
Advancing techniques and technologies in brachytherapy
Chair: Chris Lee, Lead Consultant Physicist, Specialist Services, The Clatterbridge Cancer Centre NHS Foundation Trust, UK and Peter Hoskin, Consultant Clinical Oncologist, Mount Vernon Cancer Centre, UK

Advancing techniques and technologies in modern brachytherapy Bradford Pieters, Head of the Brachytherapy - Academic Medical Centre, University of Amsterdam, Netherlands
Physics & technology in brachytherapy: Is something new? Dimos Baitals, Director Division of Medical Physics, Department of Radiation Oncology, Medical Center University of Freiburg, Germany
Brachy HERO Peter Hoskin, Consultant Clinical Oncologist, Mount Vernon Cancer Centre, UK

Proffered paper
Evaluation of MR-CT fusion for image guided brachytherapy for gynaecological cancer Nancy Lewis, University Hospitals Southampton NHS Foundation Trust, UK

Proffered papers - clinical
Chair: Vikas Shah, Consultant Radiologist, University Hospitals of Leicester, UK
Interpretation of TMJ pathology - a jaw-dropping review Gary Cross, Royal Free Hospital, UK
Assessing the appropriateness of requests for Lumbar spine radiography for low back pain in the community Ken-win To, Kettering General Hospital NHS Foundation Trust, UK
Renal disease in Northern Territory, Australia - a matter of life choices? Tu Anh Dao, Alice Springs Hospital, Northern Territory, Australia

Mature and immature ovarian teratomas: A spectrum of features and multimodality problem solving Kelsey Watt, Plymouth Hospitals NHS Trust, UK
MRI-TRUS fusion - guided prostate biopsy - initial clinical experience Maeve O’Sullivan, AMNCH, Ireland

Bone and soft tissue tumours and their imaging
Chair: Andrew Carne, Consultant Radiologist, Deputy Medical Director, Chief Clinical Information Officer, Royal Surrey County Hospital NHS Foundation Trust
Bone tumours in the appendicular skeleton Prudencia Tyrrell, Consultant Radiologist, Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, UK
Bone tumours in the axial skeleton Bernhard Tins, Consultant Radiologist, Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, UK
Soft tissue tumours Naomi Winn, Consultant Radiologist, Robert Jones and Agnes Hunt Orthopaedic Hospital, Oswestry, UK

Functional topics in gynaecology
Chair: Katherine van Reel, Consultant Radiologist, Imperial College NHS Trust, UK
PET CT in gynaecological malignancies Tara Barwick, Consultant Radiologist, Imperial College NHS Trust, UK

Emerging technologies and strategies
Chair: Taraana Suaris, Consultant Radiologist, St Bartholomew’s Hospital, London, UK
Contrast spectral mammography Sarah Tennant, Consultant Radiologist, Nottingham University Hospitals NHS Trust, UK

Please see congress app for full speaker information and abstracts
Tips for portfolio development and preparing for a consultant career
Chair: Janarthan Suntharanathan, Radiology Specialty Registrar, Health Education North West, UK and Caroline Parkin, Consultant Breast Radiologist, Nightingale Centre, University of South Manchester NHS Foundation Trust, UK
Thinking about consultancy – what’s right for you? Diana Rosof Williams, Consultant Radionuclide Radiologist, Lancashire Teaching Hospital Trust, UK

Obtaining your consultant post – how to do it? Kate Downey, Consultant Radiologist, The Royal Marsden Hospital, UK
Transitioning from trainee to consultancy: Leadership and management Pavan Najran, Consultant Radiologist, The Christie NHS Foundation Trust, UK
Creating a successful CV Alex Weller, Consultant Radiologist, Northwick Park NHS Foundation Trust, UK

Less than full time (LTFT) training - Having the best of both worlds Tharzi Sarvananthan, ST4 Radiology Registrar, HEKSS - Frimley Park Hospital, UK

Lunch, exhibition and education on the stands

Nuance communications
Improved quality. Outcomes. Productivity. Data-driven analytics Bill Boonn, Chief Medical Information Officer, Nuance Communications, UK

Healthcare Software Solutions Ltd
CRIS central – the cross-site reporting and imaging sharing solution Matthew Smith, Business Strategy Manager, Healthcare Software Solutions Ltd, UK and Phil James, Account Director, Healthcare Software Solutions Ltd, UK

SCoR Keynote: Stanley Melville Lecture
Chair: Steve Herrings, President, Society of Radiographers, UK
Coming out in healthcare Amanda Bolderton, Provincial Professional Practice and Academic Lead, British Columbia Cancer Agency, Canada

FRCR Drop in session
FRCR VIVA teaching tutorial run by experienced FRCR tutors.

Oncology Systems Ltd
IBA’s Dolphin - Advanced pre-treatment VMAT QA and online-ready treatment monitoring system Inbaraj Baskara, Clinical Sales Specialist, Oncology Systems Ltd, UK

Materialise
Medical 3D printing and the future for radiology Peter Metherall, Sheffield Teaching Hospitals NHS Foundation Trust, UK

Measuring toxicity
Chair: Kevin Franks, Consultant Clinical Oncologist, St James’ Institute of Oncology (SJIO), Leeds Cancer Centre & Honorary Clinical Associate Professor, University of Leeds, UK

Assessment of Patient Reported Outcomes (PROs) in clinical trials of cancer therapy developing validated PROs Dame Lesley Fallowfield, Director of Sussex Health Outcomes Research & Education in Cancer, UK

Patient reported outcomes, what’s important to patients? Margaret Grayson, Chair, Northern Ireland Cancer Research Consumer Forum, UK

Molecular radiotherapy
Chair: Glenn Flux, Head of Radioisotope Physics, Royal Marsden Hospital & Institute of Cancer Research, UK

The changing landscape of molecular radiotherapy Glenn Flux, Head of Radioisotope Physics, Royal Marsden Hospital & Institute of Cancer Research, UK

Toward personalised treatment planning for molecular radiotherapy Lidia Strigari, Head of Laboratory of Medical Physics and Expert System, Regina Elena National Cancer Institute, Italy

Beyond volume delineation: Theragnostic PET imaging to predict response to radium-223 molecular radiotherapy Iain Murray, Principal PET Physicist, Joint Department of Physics, Royal Marsden NHS Foundation Trust, UK

Proffered papers
Two year review of a clinical Ra223 service Sarah Atkinson, Newcastle Hospitals NHS Trust, UK

Impact of non-rigid registrations for a clinical trial in Peptide Receptor Radionuclide Therapy Berenato Salvatore, School of Engineering, Cardiff University, UK

Comparison of quantitative lutetium-177 (177Lu) measurements in European hospitals James Scuffham, Royal Surrey County Hospital, UK

Please see congress app for full speaker information and abstracts
MONDAY 12 JUNE

14.10 – 15.30

3C

Imaging technologies & informatics

INTERACTIVE

Cobden 3/4

Clouds & bunkers: PACS up in the air, extreme collaboration and staying prepared

Chair: Anant Patel, IM&T Advisory Group, Society and College of Radiographers, UK

New collaborative cloud systems

Simon Harris, Vanguard Project Manager, EMRAD (East Midlands Radiology Consortium), UK

Closer to home: The European cloud

Fredrik Häll, VP Product Management, Sectra, Sweden

Best practice disaster recovery

Huw Shermer, CCIO Wales, Medical Director, NHS Wales Informatics Service, UK

Business continuity in a 24/7 industry

Gareth Baxendale, Head of Technology, National Institute for Health Research - Clinical Research Network, UK

14.10 – 15.30

3D

Obstetrics & gynaecology

EXCHANGE 9

Imaging of pelvic pain

Chair: Katherine van Ree, Consultant Radiologist, Imperial College NHS Trust, UK

The diagnosis of chronic pelvic pain - how to triage patients using ultrasound

Susanne Johnson, Associate Specialist in Gynaecology, Princess Anne Hospital, University Hospital Southampton, UK

Pelvic congestion syndrome - imaging and treatment

Kate Waters, Consultant Radiologist, University Hospitals of Leicester, UK

14.20 – 15.40

3E

Head & neck

AUDITORIUM

Skull and neck

Chair: Rhian Rhys, Consultant Radiologist, Cwm Taf University Health Board, UK

Temporal bone - cholesteatoma

Ravi Lingam, Consultant Radiologist, Northwick Park Hospital, London Northwest Healthcare NHS Trust, UK

Temporal bone - if it’s not cholesteotoma...

Matt Bull, Consultant Radiologist, Frimley Health NHS Foundation Trust, UK

Central skull base - pearls and pitfalls

Gitta Madhani, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK

Intracranial complications of ENT disease

Gillian Potter, Consultant Neuroradiologist, Salford Royal NHS Foundation Trust, UK

14.20 – 15.40

3F

Breast

CHARTER 4

Multidisciplinary meeting

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

Speakers:

• Juliet Morel, Consultant Radiologist, King’s College Hospital, London, UK

• Sarah Tennant, Consultant Radiologist, Nottingham University Hospitals NHS Trust, UK

• Louise Jones, Consultant Histopathologist, St Bartholomew’s Hospital, London, UK

• Andrew Baidhram, Consultant Oncoplastic Surgeon, St Bartholomew’s Hospital/ Manchester, UK

14.20 – 15.40

3G

Education & research

CHAPTER 3

Research as a successful component of radiographer career development

Chair: Rachel Harris, Professional and Educational Manager, SCoR, Steering Group Chair of CAHPR, UK

Dual registration improves image guidance in head and neck radiotherapy: An implementation study

Simon Goldsworthy, Principal Research Radiographer, Taunton and Somerset NHS Foundation Trust, UK

The only way is ethics!

Julie Woodley, Senior Lecturer - Allied Health, University of the West of England, UK

Inter-observer variation in quality assurance of sonographer performed non-obstetric ultrasound

Peter Cantin, Consultant Sonographer, Plymouth Hospitals NHS Trust, UK

Supporting allied health professional involvement in research

Rachel Harris, Professional and Educational Manager, SCoR, Steering Group Chair of CAHPR, UK

15.10 – 16.10

FRCR Drop in session

CENTRAL 8

FRCR Drop in session

Nuance communications

Nuance mPower Clinical Analytics, innovated by Montage

15.30 – 17.00

Nuance communications

Nuance mPower Clinical Analytics, innovated by Montage

EXHIBITION THEATRE

NHS cyber-attack: What happened and what can we learn from it?

Chair: Maryann Hardy, President, UKRC, UK

What happened to the NHS? (Overview of the malicious software, why it happened, and are we at risk of it happening again?)

Andrew Dwyer, Cyber Security Oxford, University of Oxford, UK

The NHS under attack (Experience from the ground floor - Hospital impact and radiology impact)

Timothy Taylor, Consultant Radiologist, Nottingham University Hospitals NHS Trust and Medical Director, EMRAD (East Midlands Radiology Consortium), UK

Wannacry!? Industry reflections on the journey

Peter Harrison, Managing Director, Siemens Healthineers, UK

Please see congress app for full speaker information and abstracts
MONDAY 12 JUNE

15.50 – 17.10
4A
UKRCO Joint Session
AUDITORIUM

Beyond competition: Collaboration between the NHS and the private sector
Peter Sharpe, Chief Executive Officer, Cobalt Health, UK
Community imaging provision: Experience from the Sussex MSK service
Ian Francis, Founder/Director, Medical Imaging Partnership, UK
Key commercial partnerships in Information Technology: Delivering strategic change in the NHS
Andrew Fearn, Director of ICT Services and SIRO, Nottingham University Hospitals NHS Trust and Accountable Officer, EMRAD (East Midlands Radiology Consortium), UK
Outsourced reporting service: Ensuring service continuity
Charles House, Consultant Radiologist, Divisional Director, University College London, UK
Integrating the independent sector provision in cancer treatment
Mark Lomax, UK General Manager, Genesis Care, UK

15.50 – 17.10
4B
RPS Masterclass
CENTRAL 3/4/5/6/7

Revision of Ionising radiations regulations
Clare McNicholas, Policy Lead, Health & Safety Executive, UK

15.50 – 17.10
4C
Urology
CHARTER 3

Developing diagnostic imaging strategies for investigating haematuria
Nigel Cowan, Consultant Radiologist, Queen Alexandra Hospital, Portsmouth, UK
Imaging the uroepithelium
Michael Maher, Professor of Radiology, Cork University Hospital and University College Cork, Ireland
Benign renal lesions
Alison Bradley, Consultant Radiologist, Royal Cornwall Hospitals Trust, UK

15.50 – 17.10
4D
Education & research
EXCHANGE 9

New models of education to promote positive developments in healthcare
Chair: Janice St John Matthews, Associate Head of Department, Allied Health Professions, University of the West of England, Bristol, UK
Utilising an adapted ‘world café’ method to teach integrated care concepts to postgraduate healthcare students
Kerry Mills, Senior Lecturer - Diagnostic Imaging, University of the West of England, Bristol, UK
How can education help to ensure radiographers are at the heart of the changing NHS
Ben Roe, Deputy Chief Operating Officer, Taunton & Somerset NHS Trust, UK
Multi qualification radiographers at threshold - the Finnish multi qualification
Paivi Wood, CEO, Radiography Professional Body, Finland
A model for collaborative development of the workforce
Petra Jacobs, Deputy Radiotherapy Services Manager, University Hospital Bristol, UK

15.50 – 17.10
HEAD & NECK ULTRASOUND
EXHIBITION HALL

Beyond competition: Collaboration between the NHS and the private sector
Chair: Peter Sharpe, Chief Executive Officer, Cobalt Health, UK
Community imaging provision: Experience from the Sussex MSK service
Ian Francis, Founder/Director, Medical Imaging Partnership, UK
Outsourced reporting service: Ensuring service continuity
Charles House, Consultant Radiologist, Divisional Director, University College London, UK
Integrating the independent sector provision in cancer treatment
Mark Lomax, UK General Manager, Genesis Care, UK

15.50 – 17.10
4E
UKRO
CENTRAL 3/4

Head and neck Ultrasound
Rhiannon Bone, Consultant Radiologist, Cwm Taf University Health Board, UK
Steve Colley, Consultant Radiologist, University Hospital Birmingham NHS Trust, UK

16.00 – 17.30
4F
UKRO
UKRO proffered papers

Effects of registration uncertainties in image-based data mining
Eliana Vasquez Osorio, The University of Manchester, UK
Towards a state-wide distributed learning and datamining network in radiation oncology to support clinical decisions
David Thwaites, Institute of Medical Physics, University of Sydney, Australia

16.30 – 17.10
4F
UKRO

UKRO proffered papers
Chair: Andy Beavis, Consultant Medical Physicist and Head of Radiation Physics, Hull and East Yorkshire NHS Hospitals Trust, UK
Clinical implementation of a knowledge based planning tool for prostate VMAT
Richard Powis, Worcestershire Acute Hospitals NHS Trust, UK
Evaluating a fully automated VMAT planning system with a clinically intuitive site-based calibration
Phillip Wheeler, Velindre Cancer Centre, UK
The impact of electron return effect on radiotherapy plan quality for peripheral sarcomas
Julie Webb, The Christie NHS Foundation Trust, UK
Volumetric modulated arc therapy (VMAT) for complex breast radiotherapy treatments - planning, delivery and QA experience
All Esmail, Ipswich Hospital NHS Trust, UK
Hypofractionated dose painting IMRT with 20 fractions for intermediate to high risk prostate cancer
Joachim Cham, Clatterbridge Cancer Centre NHS Foundation Trust, UK

Please see congress app for full speaker information and abstracts
MONDAY 12 JUNE

16.00 – 17.20

4G
Proffered papers
COBDEN 3/4

Proffered papers - service optimisation and innovation
Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK
On call provisional CT reporting - are we getting it right? Jaymini Patel, London North West Healthcare Trust, UK
Automatically populated worklist enhances safety of on call CT scan checking systems Nemi Gandy, London North West NHS Trust, UK
An audit of waiting times for patients with known or suspected malignancy undergoing CT-guided percutaneous biopsy Frances Sheehan, East and North Hertfordshire NHS Trust, UK
The consultant breast radiographer - a role innovation exemplar Anne-Marie Culpan, University of Leeds, UK
A five year longitudinal evaluation of the impact of a bespoke professional development programme for consultant radiographers Julie Nightingale, University of Salford, UK
Is radiography ready for apprenticeships? A critical review of the evidence and reflection on its implications Denise Baker, University of Derby, UK
An audit on the impact of a regional collaborative out of hours service on trainee feedback Christopher Keegan, Mersey School of Radiology, UK and Shruti Patel, Mersey School of Radiology, UK
Variations in reporting radiographer report structure Anthony Manning-Stanley, University of Liverpool, UK

Breast tomography workshop
David Evans, Consultant Radiologist, St Bartholomew’s Hospital, London, UK

16.00 – 17.20

4H
Breast Tomography
EXCHANGE 6/7

17.00 – 18.00

BIR
EXHIBITION HALL

Meet Simon Thompson, the new Chief Executive and Andy Rogers, President both of the British Institute of Radiology on stand P2 during the wine reception.

17.00 – 18.00

DEM ZONE

Radiology fellowships networking event
At this networking event trainees interested in doing fellowships can meet with representatives from units that offer fellowships. It will help trainees identify their current and future options, expand their network of contacts and gather information.

17.10 – 17.30

EXHIBITION LECTURE

The doctorate den
Calling all radiography Doctorate students, perspective Doctorate students and newly completed Doctorate students. In 2016, the Society & College of Radiographers released the “Research Strategy 2016-2021” and pledged 1% of the profession would hold Doctorates by 2021. This is an informal networking opportunity for those who share this ambition. Be part of the growing community of “Radiographers’ undertaking Doctorates” to advance the profession. Learn how you can stay connected over the duration of your studies through social media.

20.30

Bar and music night – The Milton Club

MEDICA Group partners with the highest calibre of Consultant Radiologist and the most innovative healthcare organisations in the UK, including over 50% of Acute NHS sites, to help deliver the best possible clinical outcomes.

MEDICA Group partners with the highest calibre of Consultant Radiologist and the most innovative healthcare organisations in the UK, including over 50% of Acute NHS sites, to help deliver the best possible clinical outcomes.

Come and see us on STAND 80

Radiology Reporting with Confidence

Offering a wide range of subspecialist expertise and exceptional turnaround times tailored to the clinical requirement.

Currently recruiting Consultant Radiologists with flexible, part-time and full-time opportunities available

Come and talk to one of the team today on STAND 80 and ask us what makes us different.

MEDICA Group partners with the highest calibre of Consultant Radiologist and the most innovative healthcare organisations in the UK, including over 50% of Acute NHS sites, to help deliver the best possible clinical outcomes.

Offering a wide range of subspecialist expertise and exceptional turnaround times tailored to the clinical requirement.

Currently recruiting Consultant Radiologists with flexible, part-time and full-time opportunities available

Come and talk to one of the team today on STAND 80 and ask us what makes us different.
REGISTER NOW AT 2017 PRICES!

Disease and diversity

2-4 July 2018 • ACC Liverpool

CALL FOR PAPERS –
Deadline Thursday 14 December 2017
**Tuesday 13 June**

**UK Dose awareness day**

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<tr>
<td>08:00-08:30</td>
<td><strong>UKro Elekta symposium</strong></td>
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<td>08:30</td>
<td><strong>Chair:</strong> Eliot Siegel, Andy Beavis, Declan O’Regan, Shoana Ghosh</td>
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<tr>
<td>09:00-10:30</td>
<td><strong>Plenary debate</strong> The end is nigh... AI-enabled machines have placed imaging and oncology professionals on the path to extinction</td>
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<td><strong>Refreshments, exhibition, poster tours and education on stands</strong></td>
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<tr>
<td>11:00-12:30</td>
<td><strong>Global radiotherapy challenges</strong></td>
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<td><strong>Lunch, exhibition and education on stands</strong></td>
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<td>13:00-14:30</td>
<td><strong>Science/education</strong></td>
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<td><strong>Professional papers</strong></td>
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<td>14:40-16:10</td>
<td><strong>Professionals in clinical, critical &amp; fiscal efficiency</strong></td>
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<td>18:10-19:00</td>
<td><strong>A 21st century NHS - delivering tomorrow’s medicine, today</strong></td>
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**Venue:**

- **Auditorium:**
  - **Chair:** Phil Hammond, **Panel:** Eliot Siegel, Andy Beavis, Declan O’Regan, Shoana Ghosh
- **Exhibition Hall:**
  - **Zone:**
    - **Zone A:** Bayer
    - **Zone B:** Siemens
    - **Zone C:** OSL
  - **Demos:**
    - **X-ray:**
      - **Lower:** Siemens
      - **Upper:** OSL
    - **Ultrasound:**
      - **Upper:** Lower
    - **Optimising Ct:**
      - **Zone B:** Optimising Ct
    - **Cross organisational working in It:**
      - **Zone C:** Cross organisational working in It
    - **Imaging in elite sport:**
      - **Zone D:** Imaging in elite sport
    - **Neuro radiology:**
      - **Zone E:** Neuro radiology
    - **Introduction to osiriX:**
      - **Zone F:** Introduction to osiriX
    - **UKro Global radiotherapy challenges:**
      - **Zone G:** UKro Global radiotherapy challenges
    - **UKro adaptive IGrt:**
      - **Zone H:** UKro adaptive IGrt
    - **Harnessing technology to improve clinical & fiscal efficency:**
      - **Zone I:** Harnessing technology to improve clinical & fiscal efficency
    - **Proffered papers:**
      - **Science/education:**
        - **Zone J:** Proffered papers: Science/education
      - **Clinical:**
        - **Zone K:** Clinical
    - **Neuroradiology:**
      - **Zone L:** Neuroradiology
    - **Advances in cardiac mri:**
      - **Zone M:** Advances in cardiac mri
    - **Enabling imaging research to 2030:**
      - **Zone N:** Enabling imaging research to 2030
    - **Obstetrics & gynaecology:**
      - **Zone O:** Obstetrics & gynaecology
TUESDAY 13 JUNE UK Dose awareness day

08.00 – 09.00
MRI Guided RT - A unity(0) Vision of future Radiation Therapy
Prof Uwe Oelfke, Royal Marsden Hospital and the Institute of Cancer Research

08.00 – 09.20
Optimising CT
Chair: Ben Shail, Lead Consultant Radiographer, Mid Yorkshire Hospitals NHS Trust, UK
CBCT: An alternative approach to extremity imaging
Peter Sharpe, Chief Executive Officer, Cobalt Healthcare, UK and Charlie McCaffrey, Managing Director, Carestream Health Limited, UK
Optimising clinical pathways
Martine Harris, Research Radiographer, The Mid Yorkshire Hospitals NHS Trust, UK
Optimising dose - implementing the COMARE 16 guidelines
Paul Charkock, Scientific Officer, Integrated Radiological Services, UK
Optimising staffing - generalist, specialist, neither or both? The modern CT radiographer
Janice St John Matthews, Associate Head Department, Allied Health Professions, University of West of England, Bristol, UK

08.00 – 09.20
Cross organisational working in IT
Chair: Kevin Tucker, National Officer for Wales, Society and College of Radiographers, UK
Integration plans in Northern Ireland
Julie Moss, Trust PACS Manager, Belfast Health & Social Care Trust, UK
Shared services for radiology in Scotland
Linda Kerr, Programme Manager for Radiology & Medical Physics, NHS Scotland Share Services
Welsh clinical portal – imaging in the valleys
Rob Jones, Head of Applications Design, NHS Wales Informatics Service, UK
Cross organisational working in practice
Andy Kinnear, Director of Digital Transformation, University Hospital of South Manchester, UK

08.00 – 09.20
Imaging in elite sport
Chair: Gajan Rageswaran, Consultant Musculoskeletal Radiologist, University College Hospital London, UK
MRI interpretation in elite sport
Sarah Bethapudi, Consultant MSK and Sport Radiologist, County Durham and Darlington Hospitals, UK
Pre-signing MRI: What it involves and what the radiologist’s role is
Andrew Dunn, Consultant Musculoskeletal Radiologist, Northwest MSK Imaging, UK
Is grading muscle, tendon and ligament injury important?
Waqar Bhatti, Professor & Consultant MSK and Sport Radiologist, University Hospital of South Manchester, UK
Lower limb sports injuries: The good, the bad & the ugly
Steven James, Consultant Radiologist, The Royal Orthopaedic Hospital NHS Foundation Trust, UK

08.00 – 09.20
Neuroradiology
Chair: Maneesh Patel, Consultant Neuroradiologist, Imperial College NHS Trust, UK
Brain tumour update
Adam Waldman, Professor of Neuroradiology, University of Edinburgh, UK
Update on stroke imaging
Grant Mac, Senior Clinical Fellow and Honorary Consultant Neuroradiologist, The University of Edinburgh, UK

08.30 – 09.30
Introduction to OsiriX for beginners
Introductory workshop with MAC workstations loaded with OsiriX, to enable participants to look at case studies.

09.30 – 10.30
Plenary debate
Introduction
Angela Baker, President, UKRO, UK
The end is nigh... AI-enabled machines have placed imaging and oncology professionals on the path to extinction
This debate is not about arguing the need for AI, it’s about arguing whether AI can deliver on its promises or not. We have exactly what machines need to learn from - binary data. You can use this right now, in your own home. With an online tutorial, you can train a programme to find patterns in plain films. Using convoluted neural networks it is possible to get a first read from a machine and an explanation of what it thinks is the diagnosis and why. Intelligent machines can also direct image acquisition and treatment sequences for defined disease pathways. So if machines have the capacity to do all this, will we need imaging and oncology professionals in the future or an army of computers operated by unqualified staff and supervised by a specialist medical computer scientists?
Panel members
Chair: Dr Phil Hammond, GP and Presenter, UK
Against: Eliot Siegel, Professor and Vice Chair Research Information Systems, University of Maryland School of Medicine and VA Maryland Healthcare System, USA
Andrew Beavis, Consultant Medical Physicist and Head of Radiation Physics, Hull and East Yorkshire NHS Hospitals Trust, UK
For: Declan O’Regan, Consultant Radiologist, Imperial College London, UK; Shaona Ghosh, Postdoctoral Researcher, University of Cambridge, UK

10.00 – 10.40
Refreshments and exhibition, poster viewing, demo sessions

10.40 – 11.30
Bayer
Update on Gd presence in the brain after repetitive administration of GBCA
Dr Lukas Wettlering, Department of Neuroradiology, University Hospital Heidelberg, Germany
Bayer have funded an exhibition stand and symposium only at this meeting.

Please see congress app for full speaker information and abstracts
TUESDAY 13 JUNE  UK Dose awareness day

10.40 – 12.00 MSK Ultrasound
Hands on demonstration sessions with live models in the exhibition hall.

11.20 – 12.40 Global radiotherapy challenges
Chairs: Gerry Hanna, Senior Lecturer and Consultant in Clinical Oncology, Queen’s University of Belfast; UK and Angela Baker, President, UKRO, UK
Key challenges on providing radiotherapy services in low to middle income countries
Elena Fidarova, Radiation Oncologist, Division of Human Health, International Atomic Energy Agency, Austria
Teaching and training of radiotherapy in low and middle income countries: A hands-on experience in Africa
Jeannette Parkes, Radiation Oncologist, University of Cape Town, South Africa
Radiotherapy cost effectiveness
Clive Peedell, Consultant Clinical Oncologist, South Tees NHS Trust, UK

11.20 – 12.40 Adaptive IGRT
Chair: Helen McNair, Research Lead Radiographer, The Royal Marsden NHS Foundation Trust, UK
The current status of adaptive therapy
Kevin Franks, Consultant Clinical Oncologist, St James’ Institute of Oncology (SJIO), Leeds Cancer Centre & Honorary Clinical Associate Professor, University of Leeds, UK
Future developments in adaptive therapy
Uwe Oelfke, Professor, The Institute of Cancer Research, UK

11.20 – 12.40 Harnessing technology to improve clinical & fiscal efficiency
Chair: Marina Easty, Consultant Paediatric Radiologist, Great Ormond Street Hospital, UK
More than PACS
Anant Patel, IM&T Advisory Group, Society and College of Radiographers, UK
Clinical networks
Mark Griffiths, Paediatric Radiologist, University Hospital, Southampton, UK
Neonatal radiography - tackling persistent problems
Christina Pedersen, Project Radiographer, Aarhus University Hospital, Denmark
dREAMS
Amaka Offiah, Reader in Paediatric Musculoskeletal Imaging, University of Sheffield, UK

11.20 – 12.40 Proffered papers - science, education and radiation protection
Chair: Sarah Allen, Head of Nuclear Medicine Physics, Guy’s and St Thomas’ NHS Foundation Trust, UK
Writing about radiation in your IRAS application
Andrea Shemilt, Nottingham University Hospitals NHS Trust, UK
An audit into radiation awareness and a qualitative assessment into requesting and interpretation of common imaging modalities - a junior doctor and final year medical student survey
Muhammad Khan, Southport And Ormskirk Hospital NHS Trust, UK
Radiation safety culture initiatives in X-ray imaging optimisation
Hugh Wilkins, University of Exeter, UK
A review of MR labeling information related to IEC 62570 labeling requirements of commercially available MRI accessories
Gina Stateczny, MRI-Tec, Germany
Improving from an IR(ME)R inspection
Toni Hall, Oxford University Hospitals NHS Foundation Trust, UK
Image quality: Old vs new
Stephen Wiistenhuizen, Leeds Teaching Hospitals, UK
A method to model the influence of beam quality on image noise in a digitally reconstructed radiograph (DRR) based computer simulation for optimisation of digital radiography
Craig Moore, Hull & East Yorkshire Hospitals’ NHS Trust, UK
The efficacy of routine radiographer QA testing
Natalie Thring, Radiation Consultancy Services Ltd, UK

11.20 – 12.40 Neuroradiology
Chair: Maneesh Patel, Consultant Neuroradiologist, Imperial College NHS Trust, UK
Enccephalitis-infection and beyond
Brynmore Jones, Consultant Neuroradiologist, Imperial College NHS Trust, UK
Brain tumour mimics - some interesting cases and clues
Priya Bhatnagar, Consultant Neuroradiologist, Newcastle upon Tyne Hospitals NHS Trust, UK

11.20 – 12.40 Advances in cardiac Magnetic Resonance Imaging
Chair: Stephen Harden, Consultant Radiologist, Southampton University Hospital, UK
MRI with implantable electrical devices
Bobby Agrawal, Consultant Radiologist, Papworth Hospital, UK
Advances in aortic imaging with MRI
Ben Holloway, Consultant Radiologist, University Hospitals Birmingham NHS Foundation Trust, UK
Hyperpolarised carbon in CMR
Ferdia Gallagher, Consultant Radiologist, University of Cambridge, UK

Please see congress app for full speaker information and abstracts
TUESDAY 13 JUNE

**Cardiac OsiriX**
Swarny Gedela, Consultant Cardio-Thoracic Radiologist, Essex Cardio-Thoracic Centre, Basildon, UK
Bobby Agrawal, Consultant Radiologist, Papworth Hospital, UK

**MR imaging for clinicians, physicists and radiographers**
Chair: Helen McNair, Research Lead Radiographer, The Royal Marsden NHS Foundation Trust, UK and Julian Kabala, Consultant Radiologist, University Hospital Bristol, UK
MRI imaging: Image weighting and Pulse sequences with clinical application
Tamas Schiszler, Consultant Radiologist, TUCRT Bristol NHS Foundation Trust, UK
MRI imaging: Applied to radiotherapy planning
Dow-Mu Koh, Consultant Radiologist, Imperial College London, UK
Artefacts and reduction
Jill McKenna, MR/CT Radiographer, Freeman Hospital, Newcastle Upon Tyne & Past President, British Association of Radiographers, UK

**Case based ‘Blood and guts’**
Chair: Elizabeth Dick, Lead for Emergency Radiology, Imperial College London, UK
Find the bleeding point!
Elizabeth Dick, Lead for Emergency Radiology, Imperial College London, UK
The role of the interventionalist in trauma
Graham Collins, Radiology Consultant, North Bristol NHS Trust, UK
The acute abdomen
Shoba Philip, Consultant Radiologist, North Bristol NHS, UK
Postoperative acute abdomen
Priya Healy, Royal Liverpool and Broadgreen University Hospitals Trust, UK

**Existing technology - evolving applications**
Chair: Samantha Negus, Paediatric Radiologist, UK
CT dose reduction - how low is low?
Marcel Dijkshoorn, Research CT Radiographer, Erasmus MC, Rotterdam, The Netherlands
Functional MRI of the lungs in children
Helen Marshall, Research Fellow in Pulmonary MRI, University of Sheffield, UK
Advances in PET imaging in children
Marina Easty, Consultant Paediatric Radiologist, Great Ormond Street Hospital, UK
TUESDAY 13 JUNE UK Dose awareness day

**14.10 – 15.30**

**7D**

**MSK intervention**
Chair: Rajat Chowdhury, Consultant Musculoskeletal Radiologist, Oxford University Hospitals, UK

Hydrodilatation for the frozen shoulder - what’s the best approach? Subhasis Basu, Consultant Musculoskeletal Radiologist, Wrightington Hospital, UK

MSK intervention in the hand - changing the surgical landscape Benjamin Roberton, Consultant Interventional and Musculoskeletal Radiologist, Chelsea and Westminster Hospital, UK

The perils of consent in MSK intervention Rowena Johnson, Consultant Radiologist, Nuffield Orthopaedic Centre, UK

Image guided intervention in the elite athlete - does it really work? Justin Lee, Consultant Musculoskeletal Radiologist, Fortius Clinic, London, UK

**14.10 – 15.30**

**7E**

**Computer Assisted Radiology and Surgery (CARS) and emerging technology**
Chair: Liz Beckmann, Regional Director, EchoPixel, UK

The future challenge for imaging - a challenge from surgery Nicholas Haden, Neurosurgeon, Plymouth Hospitals NHS Trust, UK

The evolution of the digital operating theatre for the next 5-10 years Heinz Lemke, Director, CARS, Germany

Emerging technology - solutions for the future Stefan Vilsmeyer, President & CEO, Brainlab, Germany

**14.10 – 15.30**

**7F**

**Proffered papers – clinical**
Chair: Nick Woznitza, Clinical Academic Reporting Radiographer, Homerton NHS Trust & Canterbury Christ Church University, UK

Value of invasive angiography following negative CT angiogram in the haemodynamically unstable patient with pelvic trauma Jen-Jou Wong, Aintree Hospital, UK

The current state of MRI in vascular access imaging Conor MacDonald, University of Dundee, UK

MRI evaluation of epicardial adipose tissue in patients with cardio-metabolic disease: Potential pathophysiological links with inflammation and vascular dysfunction Shaveen Al-Talabany, University of Dundee, UK

Nebulised 18F-fluorodeoxyglucose (18F-FDG) assessment of pulmonary drug deposition: Proof of concept Shamsudddeen Ahmad Aliyu, Hull York Medical School, University of Hull, UK

Low-dose CT screening for lung cancer: Are we truly achieving a low-dose? Carolyn Horst, University College London, UK

Ipsilateral dual-site, same-sitting percutaneous lung biopsy: A feasibility study Sam Hare, Royal Free NHS Trust, UK

**14.10 – 15.30**

**7G**

**The breast imaging academy: An innovative workforce solution**
Chair: Caroline Parkin, Consultant Breast Radiologist, University Hospital of South Manchester, UK

Introduction Caroline Parkin, Consultant Breast Radiologist, University Hospital of South Manchester, UK

Radiography training Lyndsay Kinnear, Radiographer, University Hospital of South Manchester, UK and Megan Bydder, Consultant Breast Radiologist, University Hospital of South Manchester, UK

Breast clinician training Mary Wilson, Consultant Breast Radiologist, University Hospital of South Manchester, UK

Breast radiology training Soujanya Gadde, Consultant Radiologist, University Hospital South Manchester, UK

**14.20 – 15.10**

**Dose Awareness session**
Speaker: Matthew Dunn, Head of Radiology Physics, Medical Physics and Clinical Engineering, Nottingham University Hospitals NHS Trust, UK

**14.40 – 16.00**

**MSK Ultrasound**
Hands on demonstration sessions with live models in the exhibition hall.

**15.40 – 16.10**

**Dose Awareness session**

**15.30**

Refreshments, exhibition, poster viewing, demo sessions

**15.30 – 16.50**

**MSK Ultrasound**

**16.00 – 16.30**

**Neuro**

Farah Alobeidi, Consultant Neuroradiologist, Imperial College NHS Trust, UK

**Neuro OsiriX**

**16.40 – 17.10**

**Dose Awareness session**

**17.00 – 17.30**

**Neuro**

**17.40 – 18.10**

**Dose Awareness session**

Please see congress app for full speaker information and abstracts

**16**
**SABR for oligometastases – the great debate!**  
Chair: Kevin Franks, Consultant Clinical Oncologist, St James’ Institute of Oncology (SJIO), Leeds Cancer Centre & Honorary Clinical Associate Professor, University of Leeds, UK  
Motion: Level 1 randomised clinical trials evidence is needed before we implement SABR as a routine service in the NHS  
For: Stephen Harrow, National Research Scotland Fellow, Beatson West of Scotland Cancer Centre, UK  
Against: Alison Tree, Consultant Clinical Oncologist, Royal Marsden Hospital and Institute of Cancer Research, UK

**ScOR Martine Jackson Memorial Lecture**  
Chair: Steve Herrin, President, Society of Radiographers, UK  
Specialist posts, special radiographers and patient care  
Sairanne Wickers, Consultant Radiographer, University College London Hospital, UK

**History**  
Chair: Liz Beckmann, British Society for the History of Radiology, UK  
Sebastian Gilbert Scott (1879-1941) and the treatment of ankylosing spondylitis  
Adrian Thomas, Canterbury Christ Church University, UK  
Neville Samuel Finzi (1881-1968) - a radiotherapy pioneer and radiology benefactor  
Arpan Banerjee, British Society for the History of Radiology, UK  
Philately and tuberculosis  
Adrian Thomas, Canterbury Christ Church University, UK

**Rapid reporting of the upper and lower limb: Plain films and beyond**  
Chair: Chand Thorning, Consultant Radiologist, Epsom and St Helier NHS Trust, UK  
Rapid reporting, upper limb: Test yourself  
Chand Thorning, Consultant Radiologist, Epsom and St Helier NHS Trust, UK  
Rapid reporting, lower limb: Test yourself  
Kausik Mukherjee, Consultant in Orthopaedic Radiology, University Hospital of Wales, Cardiff, UK

**Molecular imaging with novel tracers**  
Chair: Heather Williams, Senior Medical Physicist for Nuclear Medicine, Central Manchester University Hospitals, UK  
Hyperpolarised MRI  
Ferdia Gallagher, CRUK Clinician Scientist Fellow, University of Cambridge, UK  
Novel Positron Emission Tomography radiotracers: Discovery and pathways to clinical translation  
Eric Aboagye, Professor, Director Cancer Imaging Centre, Imperial College London, UK  
Bringing novel tracers into clinical use - a radiopharmacist's perspective  
Eric Aboagye, Professor, Director Cancer Imaging Centre, Imperial College London, UK

**Advances in cardiac Magnetic Resonance Imaging**  
Chair: Bobby Agrawal, Consultant Radiologist, Papworth Hospital, UK  
The impact of the new NICE guidelines of cardiac CT demand and provision  
Swamy Gedela, Consultant Cardio-Thoracic Radiologist, Essex Cardio-Thoracic Centre, Basildon, UK  
Perfusion CT... the future?  
Michelle Williams, Clinical Lecturer in Cardiac Radiology, The University of Edinburgh, UK  
Advances in cardiac perfusion CMR  
James Moon, Professor of Cardiac Imaging, Barts Heart Centre, UK

**RPS Masterclass**  
Chair: Graham Hart, RPA/LPA, Your RPA, UK  
Dose optimisation  
Matthew Dunn, Head of Radiology Physics, Medical Physics and Clinical Engineering, Nottingham University Hospitals NHS Trust, UK

**Paediatrics OsiriX**  
Subhasis (Ash) Chakraborty, Consultant Paediatric Radiologist, Children’s Hospital, Oxford, UK

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

**UKRO proffered papers**  
Chair: Helen McLaren, Research Lead Radiographer, The Royal Marsden NHS Foundation Trust, UK  
Clinical outcome and hippocampal dosimetry in patients treated with stereotactic radiosurgery for brain metastases across South Wales  
Sahar Najmus Iqbal, University of Cardiff, UK  
Implementation of SABR for pancreatic tumours  
Peter Enever, Leeds Cancer Centre, UK  
A UK collaborative approach to MR-only radiotherapy treatment planning: Improving the patient experience and treatment accuracy  
Richard Speight, Leeds Cancer Centre, UK  
Assessment of the effect of geometric distortion in diffusion-weighted magnetic resonance imaging on positional errors in a bladder phantom  
Jane Rogers, University of Warwick, UK
### Wednesday 14 June

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<td>The GI William Stunt Memorial Lecture</td>
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<td>Practical approaches to motion tracking</td>
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<td>Neuroendocrine tumours - imaging and therapy</td>
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<td>Virtual reality</td>
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<td>Closing Plenary</td>
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**Welcome**

- 08:00 Welcome
- 08:45 Benchmarking and driving improvement in UK radiology
- 09:00 The GI William Stunt Memorial Lecture
- 09:30 Challenges in thoracic malignancy
- 10:00 Practical approaches to motion tracking
- 10:30 Neuroendocrine tumours - imaging and therapy
- 11:00 Proffered papers:
- 11:30 Virtual reality
- 12:00 Closing Plenary
WEDNESDAY 14 JUNE

08.00 – 09.20

**Benchmarking and driving improvement in UK radiology**
Chair: Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK
NHS benchmarking and its application in radiology
Stephen Watkins, Director, NHS Benchmarking, UK
Service review and radiology advisory services: An independent perspective
Peter Cavanagh, Radiologist, UK
Insights from another service specialty: A&E
Kevin Reynard, Clinical Director (North), Emergency Care Improvement Programme, NHS UK
GIRFT principles, application to improve cancer pathways in the NHS
Tim Briggs, Royal National Orthopaedic Hospital, Stanmore and GIRFT Lead, NHS Improvement, UK

08.00 – 09.20

**Cross-sectional evaluation of biliary dilatation**
Siobhan Whiteley, Consultant Radiologist, Addenbrooke’s Hospital, UK
James Tanner, Radiology Trainee, Addenbrooke’s Hospital, UK

08.00 – 09.20

**Technological advances in thoracic imaging**
Chair: Mary Roddie, Imperial College Healthcare NHS Trust, UK
Reduction in radiation dose - how low can we go?
Michelle Williams, Clinical Lecturer in Cardiothoracic Radiology, University of Edinburgh, UK
What’s new in chest radiography?
Nick Screaton, Consultant Radiologist, Cambridge, UK
Dual energy CT - ready for prime time?
Sarah Sheard, Consultant Radiologist, Imperial College Healthcare NHS Trust, UK
Quantitative pulmonary CT - new horizons
Joe Jacob, Research Collaborator, Mayo Clinic, Rochester, USA

08.00 – 09.20

**RPS Masterclass**
Chair: Graham Hart, RPA/LPA, Your RPA, UK
Revision of medical exposure regulations
Steve Ebden-Jackson, Public Health England, UK

08.00 – 09.20

**Proffered papers - clinical**
Chair: Sam Negus, Paediatric Radiologist, UK
Diagnostic paediatric imaging out of hours: A quality improvement project
Sara Zafar, Chelsea & Westminster Hospital, UK
Quantitative and qualitative values for the different T2W image sequences used for fetal MRI
Rodwan Tumi, University of Sheffield, UK
Development of an instrument to assess trauma radiograph interpretation performance
Michael Neep, Metro South Health, Queensland, Australia

09.40 – 11.00

**Chest OsiriX**
Workshop with MAC workstations loaded with OsiriX, to enable participants to look at chest and lung case studies.

09.30 – 10.00

**Jack Fowler Remembrance Lecture**
Chair: Angela Baker, President, UKRO, UK
Speakers:
Søren M. Bentzen, Professor of Epidemiology and Public Health, Professor of Radiation Oncology, University of Maryland School of Medicine, Baltimore, USA
John Fenwick, Radiotherapy Physicist and Senior Lecturer, University of Liverpool, UK

09.00 – 11.00

**RPS**
**UKRO**

10.00 – 11.20

**Changing pathways, cancer and beyond**
Chair: Nicholas Spencer, Consultant Radiologist, Mid Yorkshire Hospitals NHS Trust, UK
Opinion leadership in healthcare: Ghanaian experience and its possible application in cancer care
Carole South-Winter, Assistant Professor, University of South Dakota, USA
Opportunities to translate the Danish Cancer pathway to enable NHS transformation
Sean Duffy, Programme Director West Yorkshire & Harrogate Cancer Alliance, UK
Improving effectiveness of cancer multidisciplinary teams
Rose Gray, Senior Policy Adviser, Cancer Research UK, UK
CENTRAL 5D/07

**Technological innovations in radiography education**

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

I’d say it’s quite likely that we just didn’t read it… Developing an alternative to the standard programme handbook. Peter Walker Birch, Senior Lecturer in Medical Imaging, Teesside University, UK & Mark Widdowfield, Senior Lecturer Diagnostic Radiography, Teesside University, UK

Computer science for digital radiography - what should radiographers know? Peter Phillips, Senior Lecturer, University of Cumbria, UK

Enhancing radiographer threshold clinical competencies through CT simulation

Martine Harris, Research Radiographer, The Mid Yorkshire Hospitals NHS Trust, UK

Experiences of using virtual reality to enable clinicians to experience the patient journey first hand. Nick Peres, Lead for Technologies R+D & PhD Researcher, Torbay and South Devon NHS Trust & Plymouth University, UK

CENTRAL 3/4

**The Society for MR Radiographers & Technologists - Clinical Education Forum**

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

Can MRI radiotherapy planning reduce patient toxicity? Lorraine Whyte, Practice Education Radiographer, Beatson West of Scotland Cancer Centre, UK

MR challenges in Europe, from a radiographic perceptive. Filip De Ridder, Chief Technologist, UZ Brussel, Belgium

Late gadolinium cardiac imaging. Challenges and solutions - Vanessa Orchard, Superintendent Cardiac MRI, Golden Jubilee Hospital, Glasgow

UKRO proffered papers

Chair: Kevin Franks, Consultant Clinical Oncologist, St James’ Institute of Oncology (SJO), Leeds Cancer Centre & Honorary Clinical Associate Professor, University of Leeds, UK

Dose to patients from X-ray imaging in radiotherapy - an update from the IPEM working party. Tim Wood, Hull & East Yorkshire Hospitals NHS Trust, UK

Utilising non-invasive mechanical ventilation to facilitate rapid shallow breathing: Controlling motion in radiotherapy Nicholas West, Newcastle Upon Tyne Hospitals NHS Foundation Trust, UK

Cost effectiveness analysis of PET-CT for oesophageal cancer. Azmi Nor Azina, University of Technology Mara, Malaysia

Developing a communication tool for assessment and mobilisation of patients with metastatic spinal cord compression. Nicola Cornelius, Lincoln County Hospital, UK

Potential impact on patients of proposed reconfiguration of radiotherapy provision in England. Gareth Webster, Worcestershire Oncology Centre, UK

WEDNESDAY 14 JUNE

**What's new in rectal cancer?**

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

The future of rectal cancer surgery

Manish Chudasama, Consultant Colorectal Surgeon, Honorary Senior Lecturer and Director of MIS Programme, University College London, UK

Modern oncology options for rectal cancer

Tom Richards, Consultant Oncologist, University College London Hospitals, UK

Colorectal controversies that regularly challenge the MDT: Gina Brown, Consultant Radiologist, Royal Marsden NHS Foundation Trust, UK

CHARTER 3

**FRCR Drop in session**

FRCR VIVA teaching tutorial run by experienced FRCR tutors.

CENTRAL 8

**Case-based: Emergency head and spine imaging**

Chair: Roland Watura, Radiology Consultant, North Bristol NHS Trust, UK

The ‘normal’ CT head - or is it? Alex Mortimer, Radiology Consultant, North Bristol NHS Trust, UK

Essentials of spine trauma from C1 to sacrum Roland Watura, Radiology Consultant, North Bristol NHS Trust, UK

EXHIBITION 9

**Post-op orthopaedic imaging**

Chair: Chintu Gadensetty, Consultant Musculoskeletal Radiologist, Royal Surrey County Hospital, UK

Particle disease following orthopaedic surgery Michael Khoo, Consultant Radiologist, Royal National Orthopaedic Hospital, Stanmore, UK

Post-op shoulder arthroplasty and complications: What the surgeon wants to know Ian Pressney, Consultant Radiologist, Royal National Orthopaedic Hospital, Stanmore, UK

Post-op spinal imaging including novel and complex orthopaedic techniques Philippa Tyler, Consultant Radiologist, Royal National Orthopaedic Hospital, Stanmore, UK

Institution of suspected arthroplasty infection: The evolving role of radiology Rikin Hargunani, Consultant Radiologist, Royal National Orthopaedic Hospital, Stanmore, UK

CHARTER 3

**IPEM John Mallard Lecture**

Chair: David Brettie, President, Institute of Physics and Engineering in Medicine, UK

The history and future of image guided radiotherapy. Marcel van Herk, Professor, University of Manchester, Manchester Academic Health Science Centre and The Christie NHS Trust, UK

CHARTER 4

**SCoR William Stripp Memorial Lecture**

Chair: Steve Herring, President, Society of Radiographers, UK

The importance of correct radiographic technique in shoulder imaging. Amanda Martin, Lead Radiographer, Royal Bolton Hospital, UK

EXHIBITION LECTURE

**CT simulation**

This session will demonstrate CT simulation for undergraduate competency development.

CENTRAL 8

**UKRO Drop in session**

FRCR VIVA teaching tutorial run by experienced FRCR tutors.

EXHIBITION LECTURE

**UKRO proffered papers**

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Developing a communication tool for assessment and mobilisation of patients with metastatic spinal cord compression. Nicola Cornelius, Lincoln County Hospital, UK

Potential impact on patients of proposed reconfiguration of radiotherapy provision in England. Gareth Webster, Worcestershire Oncology Centre, UK

COBOEN 3/4

**Closing plenary**

Rt Hon the Lord Winston of Hammersmith, UK
Virtual reality with Google Cardboard
Learn how cost effective, accessible virtual reality technology is helping transform the medical education classroom. In this workshop we look at its use in aiding humanities learning from the patient perspective.

Immunotherapy
Chairs: Gerry Hanna, Senior Lecturer and Consultant in Clinical Oncology, Queen’s University of Belfast, UK and Angela Baker, President, UKRO, UK
Radiotherapy and immunotherapy – mechanisms for synergy and potential applications Louise Murray, Yorkshire Cancer Research University Clinical Academic Fellow and Honorary Consultant Clinical Oncologist, Leeds Cancer Centre and University of Leeds, UK
SABR/Immunotherapy combinations Fiona McDonald, Consultant Thoracic Clinical Oncologist, The Royal Marsden NHS Foundation Trust, UK
Radiotherapy and immunotherapy combinations – the translational considerations Alan Melcher, Professor of Translational Immunotherapy, The Institute of Cancer Research, London, UK

BAMRR - MRI in contemporary practice
Chair: Paola Griffiths, Supt Research Radiographer and BAMRR President, UK
Speakers:
Martin Graves, Consultant Clinical Scientist, Cambridge University Hospitals NHS Foundation Trust, UK
Mark Warren, Lecturer in Medical Imaging and Radiotherapy Institute of Clinical Sciences, University of Liverpool, UK
Jonathan Phillips, Senior Research Officer in Medical Imaging, Swansea University, UK

Practical approaches to motion tracking and correction
Chair: John Ridgway, Head of Magnetic Resonance Physics, Leeds Teaching Hospitals NHS Trust, UK
MRI-based motion tracking: Applications in lung and liver Martin Fast, Postdoctoral Fellow, NKI-AVL, Netherlands
Image-based motion tracking for PET Charalampos Tsoumpas, Lecturer in Medical Imaging, University of Leeds, UK
Use of gaming technology for motion tracking Philip Noonan, Research Associate, Imperial College London, UK

Neuroendocrine tumours: An update on imaging and therapy
Chair: Vikas Shah, Consultant Radiologist, University Hospitals of Leicester, UK
Neuroendocrine tumours: Setting the multidisciplinary scene Juan Valle, Consultant Oncologist, The Christie NHS Foundation Trust, UK
CT, MRI and EUS of NETs Edmund Godfrey, Consultant Radiologist, Aldenbrooke’s Hospital, UK
NETs: Molecular imaging update Prakash Manoharan, Consultant Radiologist, The Christie NHS Foundation Trust, UK
The role of interventional radiology in the management of NET Dominic Yu, Consultant Radiologist, Royal Free Hospital, UK

Challenges in thoracic malignancy
Chair: Mary Roobie, Imperial College Healthcare NHS Trust, UK
Differentiating lung metastases from lung cancer in patients with extra-thoracic malignancy Sisa Gubnic, Consultant Radiologist, St. George’s Hospital, UK
Pulmonary complications of cancer therapies Nina Tikanari, Consultant Radiologist, Royal Marsden Hospital, UK
Thoracic lymphoproliferative disorders Sam Hare, Consultant Chest Radiologist, Royal Free London NHS Trust, UK

The foot
Chair: Rikin Hargunani, Consultant Radiologist, Royal National Orthopaedic Hospital, Stanmore, UK
Heel pain - a one stop shop Matthew Solan, Consultant Foot and Ankle Orthopaedic Surgeon, Royal Surrey County Hospital, UK
Imaging of pes planus Chintu Gadomsetty, Consultant Musculoskeletal Radiologist, Royal Surrey County Hospital, UK
Ultrasound of metatarsalgia Nicki Delves, Consultant MSK Sonographer, Royal Surrey County Hospital, UK
The diabetic foot Susan Cross, Consultant Musculoskeletal Radiologist, Barts Health, UK

Proffered papers
Chair: Viv Gibbs, Head of Department, Allied Health Professions, The University of the West of England, UK
The use of eye tracking technology to assess radiologist interpretation of X-ray images Laura McLaughlin, Ulster University, UK
Formulating and implementing a robust feasibility governance pathway for clinical research within the imaging department Rachel Sutton, University Hospitals of North Midlands and David Wells, University Hospitals of North Midlands, UK
The views of radiology service managers concerning professionalism and the ability of newly qualified graduate radiographers to cope with working in contemporary clinical contexts Charles Share, University of Cumbria, UK
Evaluation of interprofessional learning workshop involving radiographers, vascular surgeons and theatre staff Brooke Reeve, Royal Free London NHS Foundation Trust, UK
CT sinus and facial bones reporting by radiographers Paul Lockwood, Canterbury Christ Church University, UK
Constructing the “Ideal” first-post sonographer: Mapping the views of ultrasound department leads in the UK Lorelei Waring, University of Cumbria, UK

Close of congress