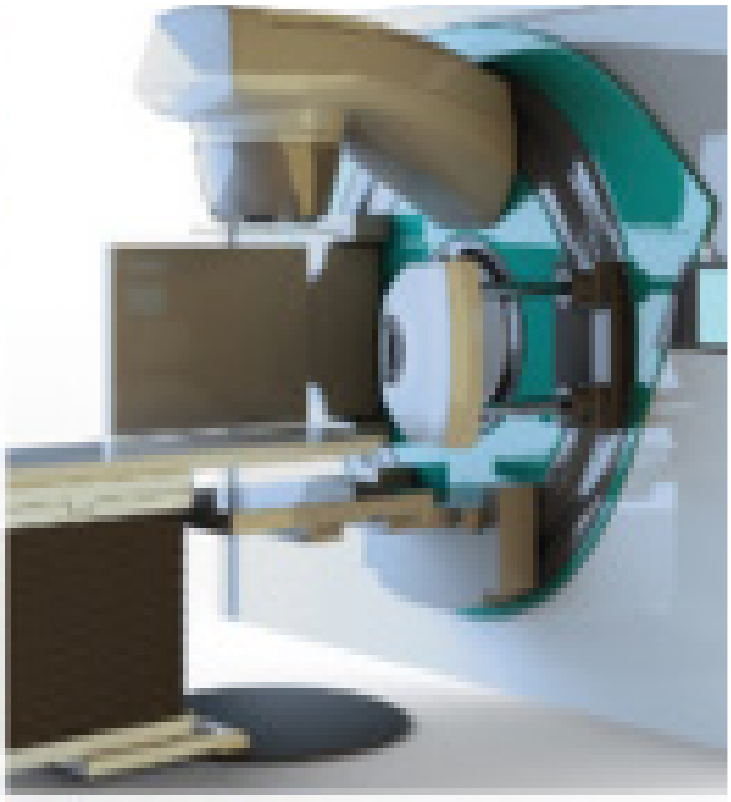
BIR
British Institute of Radiology





BIR ANNUAL RADIOTHERAPY AND ONCOLOGY MEETING 2025

6-7 March 2025

#BIRTO25

12 CPD credits
(6 credits per day)

Thursday 6 March

Stream A -

09:00	**Registration and refreshments**
09:20	**Welcome and introduction**
Session 1: Adaptive Radiotherapy	
Chair: Dr Shaista Hafeez, Consultant Clinical Oncologist, The Royal Marsden NHS Foundation Trust	
09:30	**Online Adaptive Radiotherapy (oART) on two platforms in one centre: applying the lessons learnt from 6 years of MR-linac OART to at CT-based platform** Alex Dunlop, Advanced Clinical Research Physicist, The Joint Department of Physics, The Institute of Cancer Research and The Royal Marsden
10:00	**Reducation of margins with Online Adaptive Radiotherapy at the Royal Surrey Foundation Trust** Rachel Hollingdale. Principal Radiotherapy Physicist, Royal Surrey Foundation Trust and Miriam Rashid, Radiotherapy Adaptive Lead, Royal Surrey County Hospital
10:30	**Audit on adaptive proton treatments** Callum Gillies, Proton Therapy Physicist
11:00	**Break**
Session 2: Proffered Papers	
Chair: Mike Kirby	
11:30	**Justification for the implementation of treatment margin reduction for rectal cancer patients** Joseph Dallman, Research and Technical Development Radiographer, University College Hospital
11:45	**Imaging and AI supported transformation to better practice – MR fusion target boost LDR prostate brachytherapy** Mrs Diane Whitney, Head of Brachytherapy Physics, Cambridge University Hospitals NHS Foundation Trust
12:00	**A multi-centre, multi-vendor health economic evaluation of AI enabled tools for use in the radiotherapy treatment planning pathway for NHS England** Dr Anna Barnes
12:15	**Impact of Multiprofessional Head and Neck Radiotherapy Peer Review on referring Multidisciplinary Team Meeting Cancer Staging. Time for a change?** Dr Kevin Chiu, Consultant Head and Neck Oncologist, Clinical Lead for Radiation Services, Mount Vernon Cancer Centre
12:30	**Radiobiological research into protons and high-LET radiation** Professor Jason Parsons, Chair of Radiobiology, Department of Cancer and Genomic Sciences, College of Medicine and Health, University of Birmingham
12:45	**Evaluating the dosimetric and positioning accuracy of a deep learning-based synthetic-CT model for liver radiotherapy treatment planning** Mrs Lamyaa Aljaafari, Postgraduate Researcher, University of Leeds
13:00	**Lunch**
14:00	**Plenary session: The Late Effects of Head and Neck Cancer** **Chair: Charles Kelly** Mrs Karen Liesching-Schroder, Patient Ambassador of the Mouth Cancer Foundation
15:00	**Break**
Session 3: Advanced Practice/Workforce	
Chair: Keith Langmack, Head of Radiotherapy Physics, Nottingham University Hospitals NHS Trust	
15:30	**Breaking the Therapeutic Radiographer glass ceiling** Tracey Ellis, Consultant Therapeutic Radiographer and Oncology Clinical Director, and Peter Merry, Oncology Speciality Business Manager, Rosemere Cancer Centre, Lancashire Teaching Hospitals NHS Foundation Trust
16:00	**Talk TBC** Karen Bradley
16:30	**Developing the Radiotherapy Engineering Workforce** Dr Craig Edwards, Head of Radiotherapy Physics, Royal Stoke University Hospital and Nicholas Wright, Senior Radiotherapy Technician, University Hospital of North Midlands

17:00	**Drinks reception**

18:30	**Event close**

Thursday 6 March

Stream B -

09:00	**Registration and refreshments**
09:20	**Welcome and introduction**
Session 1: Patient Experience	
Chair: Ms Sarah-Jane Ketterer, Lecturer and BSc Director of Studies Therapeutic Radiography & Oncology, University of Liverpool	
09:30	**The power of patient stories: How listening to breast cancer survivors experience of care helped us develop ethical and inclusive radiotherapy accessories** Professor Heidi Probst, Professor of Radiotherapy and Oncology, Sheffield Hallam University
10:00	**Radiotherapy Late Effects in Practice** Emma Hallam, Macmillan Consultant Therapeutic Radiographer, Nottingham University Hospitals NHS Trust
10:30	**The patient voice: a role in improving the patient experience….virtually!** Revd Dr Mike Kirby, Senior Lecturer, School of Allied Health Professions and Nursing, Liverpool University
11:00	**Break**
Session 2: Patient Experience	
Chair: Ms Sarah-Jane Ketterer, Lecturer and BSc Director of Studies Therapeutic Radiography & Oncology, University of Liverpool	
11:30	**Identity-based considerations in radiotherapy** Naman Julka-Anderson, Macmillan, Royal Marsden, RadChat
12:00	**Identity-based considerations in radiotherapy** Stewart O'Callaghan, OUTPatients
12:30	**The tale of an ignorant physicist** Mrs Anna Bangiri, MMHN PhD Fellow (Wellcome Trust), University of Nottingham, Principal SRS Radiotherapy Physicist, Nottingham University Hospitals NHS Trust
13:00	**Lunch**
14:00	**Plenary session: The Late Effects of Head and Neck Cancer** **Chair: Charles Kelly** Mrs Karen Liesching-Schroder, Patient Ambassador of the Mouth Cancer Foundation
15:00	**Break**
Session 3: Manufacturers Session	
Chair: Phil Neale, Rob Julian, and Inbaraj Baskara	
15:30	**Talk TBC** Francesco Porcu, Business Line Manager Radiation Oncology, Siemens Healthineers
15:45	**Talk TBC** **Philips**
16:00	**C-RAD – 'SGRT for modern radiotherapy, putting the patient first'** Alexander Malesevic, Medical Physicist and Clinical Sales Manager, C-RAD
16:15	**The Adaptive Paradigm in RT** Ben Huard, Business Manager, Elekta
16:30	**Photobiomodulation Therapy for Oral Mucositis and late effects: Results from RCTs** James Carroll, THOR Photomedicine
16:45	**Accelerating Breast Planning: Radformation's Automated Solution for Enhanced Efficiency** Dr Mercedes Riveira, Clinical Success Manager (EMEA), Radformation
17:00	**Drinks reception**
18:30	**Event close**

Friday 7 March

Stream A -

08:30	**Registration and refreshments**
09:00	**Welcome, introduction and BIR Medal of Outstanding International Achievement 2024**
Session 1: New Modalities	
Chair: Mr Andrew Poynter, University College London and and Scott Hanvey, Head of Radiotherapy Physics, University Hospitals Plymouth NHS Trust	
09:30	**New frontiers in particle therapy** Professor Marco Durante, Department Director, GSI Helmholtz for Heavy Ion Research
10:00	**Clinical advantages of introducing Radixact into a Radiotherapy service** Sallie Melsom, Technical Lead Radiographer (Radixact), University Hospital Birmingham
10:30	**FLASH radiotherapy – what is it, and should we care?** Dr Stephen McMahon, Reader, Queen's University Belfast
11:00	**Break**
Session 2: New Modalities and Retreatment	
Chair: Mr Andrew Poynter, University College London and Scott Hanvey, Head of Radiotherapy Physics, University Hospitals Plymouth NHS Trust	
11:30	**Hyperthermia and radiotherapy - the revival of a powerful oncologic treatment combination. Insights into clinical application, clinical results and future perspectives** Dr Emanuel Stutz, Lead Hyperthemia Unit and Consultant, Department of Radiation Oncology, University Hospital, Inselspital Bern, Switzerland
12:00	**The New Era of Arc Therapy for Breast Treatment: Planning Comparison between RapidArc Dynamic and VMAT & the Analysis of the Automatic Skin Flash Tool** Tuomas Koivumaki, Chief Physicist, Hospital Nova of Central Finland, Wellbeing Services County of Central Finland
12:30	**Practical Approaches to Reirradiation** Miss Elizabeth Harron, Principal Physicist, Clinical Trials, Radiobiology, Training, Nottingham University Hospitals NHS Trust
13:00	**Lunch**
14:00	**Plenary session: Re-Irradiation** **Chair: Keith Langmack, Head of Radiotherapy Physics, Nottingham University Hospitals NHS Trust** **Professor Peter Hoskin, Consultant Clinical Oncologist and Professor of Clinical Oncology, Mount Vernon Cancer Centre and University of Manchester**
15:00	**Break**
Session 3: Improving Workflows	
Chair: Phil Neale, Rob Julian and Scott Hanvey, Head of Radiotherapy Physics, University Hospitals Plymouth NHS Trust	
15:30	**MR only radiotherapy - commercial solutions and workflow** Dr Richard Speight, Principal Clinical Scientist, Leeds Cancer Centre
16:00	**AI segmentation** Mr Michael Roche, Principal Physicist (Radiotherapy), Cork University Hospital (HSE)
16:30	**MR only workflow** Dr Jonathan Wyatt, Northern Centre for Cancer Care, Newcastle (TBC)
17:00	**Event close**

Friday 7 March

Stream B -

08:30	**Registration and refreshments**
09:00	**Welcome, introduction and BIR Medal of Outstanding International Achievement 2024**
Session 1: Safety and Regulatory	
Chair: UKHSA	
09:30	**Advancing Safer Radiotherapy: UKHSA**
09:45	**National radiotherapy event taxonomy refinement: UKHSA**
10:00	**Deep dive into RTE data: UKHSA (**
10:15	**Practical implications of the IR(ME)R amendments within radiotherapy: UKHSA** Cristiona Logan, Specialist Clinical Officer, Radiotherapy, UK Health Security Agency
10:30	**Clinical perspective on risk Management in action : (study of risk)**
10:45	**Panel discussion**
11:00	**Break**
Session 2: International Collaborations	
Chair: Keith Langmack, Head of Radiotherapy Physics, Nottingham University Hospitals NHS Trust	
11:30	**Talk TBC** Dr Karen Christaki
12:00	**Strengthening Global Radiotherapy: The critical role of advocacy, emergency response, and essential standards** Professor Pat Price, Consultant Clinical Oncologist, Chair of the Board and Co-Founder, and Chair, Imperial College London, Global Coalition for Radiotherapy, Radiotherapy UK
12:30	**Implementing essential standards for quality Radiotherapy: Enhancing safety, productivity and patient outcomes through strategic integration of technologies and practices** Dr Katie Wakeham, Consultant Clinical Oncologist, Imperial College Healthcare NHS Trust and Global Coalition for Radiotherapy
13:00	**Lunch**
14:00	**Plenary session: Re-Irradiation** **Chair: Keith Langmack, Head of Radiotherapy Physics, Nottingham University Hospitals NHS Trust** **Professor Peter Hoskin, Consultant Clinical Oncologist and Professor of Clinical Oncology, Mount Vernon Cancer Centre and University of Manchester**
15:00	**Break**
Session 3: International Collaborations	
Chair: Mike Kirby	
15:30	**Introducing Christie International** Professor Julia Handley, Consultant Clinical Scientist, Christie Hospital
15:50	**The UK contribution to the Global Cancer Challenge** Richard Cowan, Consultant in Clinical Oncology, Christie Hospital, University of Manchester,
16:10	**Update on UKIGCN Paediatric Radiotherapy Project in Nepal** Aileen Flavin
16:30	**Supporting practice harmonisation and standardisation in LMIC through RT QA** Patty Díez, Lead Clinical Scientist, National Radiotherapy Trials Quality Assurance (RTTQA) Group, Mount Vernon Cancer Centre
16:50	**Event close**

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