



BIR ANNUAL RADIOTHERAPY AND ONCOLOGY MEETING 2024

29 February–1 March 2024



#BIRTO24

**12 CPD credits
(6 credits per day)**

Thursday 29 February

Stream A

09:00 Registration and refreshments

09:20 Welcome and introduction

Session 1: Hypo-fractionation

Chair: To be confirmed

09:30 **The radiobiology of hypo-fractionation**
Professor Bleddyn Jones, Emeritus Professor, University of Oxford

10:00 **Hypo-fractionation in breast radiotherapy**
Professor Navita Somaiah, Clinical Oncologist, Royal Marsden NHS Foundation Trust, and Clinician Scientist, Institute of Cancer Research

10:30 **Hypo-fractionation in prostate cancer**
Dr Ragu Ratnakumaran, Institute of Cancer Research

11:00 Break

Session 2: Practice-changing trials

Chair: To be confirmed

11:30 **Clinical overview of upcoming trials**
Professor Chris Nutting, Clinical Director, Cavendish Square Clinic, and Consultant Oncologist, Royal Marsden NHS Foundation Trust

12:00 **IMPORT summary**
Professor Charlotte Coles, Deputy Head of Department of Oncology and NIHR Research Professor, University of Cambridge

12:30 **Overview of PBT trials: Past, present, and future - RTTQA/Physics aspects**
Mr William Harrison-Carey, Senior Proton Therapy Trials and RTTQA Physicist, University College London Hospitals NHS Foundation Trust

13:00 Lunch

14:00 **Plenary session: Patient Voices**

Chair: To be confirmed

15:00 Break

Session 3: Adaptive radiotherapy

Chair: To be confirmed

15:30 **Online adaptive head and neck radiotherapy on Ethos**
Dr John McLellan, Head of Radiotherapy Physics, Aberdeen Royal Infirmary

16:00 **MR Linac usage**
Mr Alex Dunlop, Radiotherapy Physicist, Royal Marsden Hospital and Institute of Cancer Research

16:30 **Talk title to be confirmed**
Speaker to be confirmed

17:00 Close of day

Thursday 29 February

Stream B

09:00 Registration and refreshments

09:20 Welcome and introduction

Session 1: Brachytherapy

Chair: To be confirmed

09:30 Setting up a skin brachytherapy service

Shirin Namini and Satiavani Ramasamy, Leeds Teaching Hospitals NHS Trust

10:00 CT-MR vs MR-only gynae brachytherapy (dosimetric and process impacts)

Dr Rhydian Caines, Principal Clinical Scientist, The Clatterbridge Cancer Centre NHS Foundation Trust

10:30 Talk title to be confirmed

Speaker to be confirmed

11:00 Break

Session 2: International perspective and sustainability

Chair: To be confirmed

11:30 Health Economics in Radiation Oncology (HERO) - what does radiotherapy cost to deliver?

Dr Tom Roques, Consultant Clinical Oncologist, Norfolk and Norwich NHS Foundation Trust and Vice President, Clinical Oncology, Royal College of Radiologists

12:00 How do we make radiotherapy net-zero?

Dr Rob Chuter, Principal Clinical Scientist, The Christie NHS Foundation Trust, and Honorary Lecturer, University of Manchester

13:00 Can AI address the global radiotherapy workforce grand challenge – The ARCHERY study

Dr Ajay Aggarwal, Consultant Clinical Oncologist, Guy's and St Thomas' Hospital NHS Foundation Trust

13:00 Lunch

14:00 Plenary session: Patient Voices

Chair: To be confirmed

15:00 Break

Session 3: Manufacturers session

Chair: To be confirmed

15:30 Automating radiotherapy treatment planning using machine learning

Dr Joshua Spurrell, Physicist, RaySearch UK Limited

15:45 Talk title to be confirmed

Speaker to be confirmed, Radformation

16:00 Talk title to be confirmed

Speaker to be confirmed

16:15 Talk title to be confirmed

Speaker to be confirmed

16:30 Talk title to be confirmed

Speaker to be confirmed

16:45 Talk title to be confirmed

Speaker to be confirmed

17:00 Close of day

Friday 1 March

Stream A

09:00 **Registration and refreshments**

Session 1: AI in radiotherapy - Understanding AI

Chair: To be confirmed

09:30 **Talk title to be confirmed**
Dr Eliana Vasquez Osorio, Senior Research Fellow, University of Manchester

10:00 **Evaluation of AI**
Professor Anna Barnes, Director, Kings College London Technology Evaluation Centre (KiTEC)

10:30 **Talk title to be confirmed**
Dr Mark Gooding, Founder, Inpictura

11:00 **Break**

Session 2: AI in radiotherapy - Current use of AI in clinical practice

Chair: To be confirmed

11:30 **Talk title to be confirmed**
Dr Samantha Warren, Consultant Clinical Scientist, Newcastle Upon Tyne Hospitals NHS Foundation Trust

12:00 **QA of AI contouring**
Dr Mark Ramtohul, Principal Clinical Scientist, University Hospitals Birmingham NHS Foundation Trust

12:30 **Synthetic CT generation commercial solutions**
Dr Richard Speight, Principal Clinical Scientist, Leeds Cancer Centre

13:00 **Lunch**

14:00 **Plenary session: Panel discussion - The role of AI in radiotherapy**

15:00 **Break**

Session 3: AI in radiotherapy - Current use of AI in clinical practice

Chair: To be confirmed

15:30 **Overview of whether AI will take over physicists in radiotherapy**
Dr Matt Lowe, Principal Clinical Scientist, The Christie NHS Foundation Trust and University of Manchester

16:00 **AI in education with a focus on Chat GPT**
Ms Joanna McNamara, Therapeutic Radiographer and Senior Lecturer, Sheffield Hallam University

16:30 **Talk title to be confirmed**
Speaker to be confirmed

17:00 **Close of event**

Friday 1 March

Stream B

09:00 **Registration and refreshments**

Session 1: Workforce

Chair: To be confirmed

09:30	Therapeutic radiographers Ms Melanie Clarkson, Principal Lecturer, Sheffield Hallam University
10:00	SGRT Dr Joshua Naylor, Radiotherapy Physicist, University Hospitals Dorset
10:30	Results of MR Linac engineer survey Dr Mike Kirby, Senior Lecturer (Radiotherapy Physics), Liverpool University
10:45	Talk title to be confirmed Speaker to be confirmed

11:00 **Break**

Session 2: Learning from errors/Inspections/Regulatory changes

Chair: To be confirmed

11:30	UKHSA Update to regulations Speaker to be confirmed, UK Health Security Agency
12:00	Advancing safer radiotherapy – new guidance Speaker to be confirmed, UK Health Security Agency
12:30	Talk title to be confirmed Speaker to be confirmed

13:00 **Lunch**

14:00 **Plenary session: Panel discussion - The role of AI in radiotherapy**

15:00 **Break**

Session 3: Emerging treatments

Chair: To be confirmed

15:30	Talk title to be confirmed Speaker to be confirmed
16:00	Talk title to be confirmed Speaker to be confirmed
16:30	Talk title to be confirmed Speaker to be confirmed

17:00 **Close of event**



@BIR_News



/britishinstituteofradiology



The British Institute of Radiology



Audrey House, 16-20 Ely Place,
London EC1N 6SN
www.bir.org.uk

Registered charity number: 215869