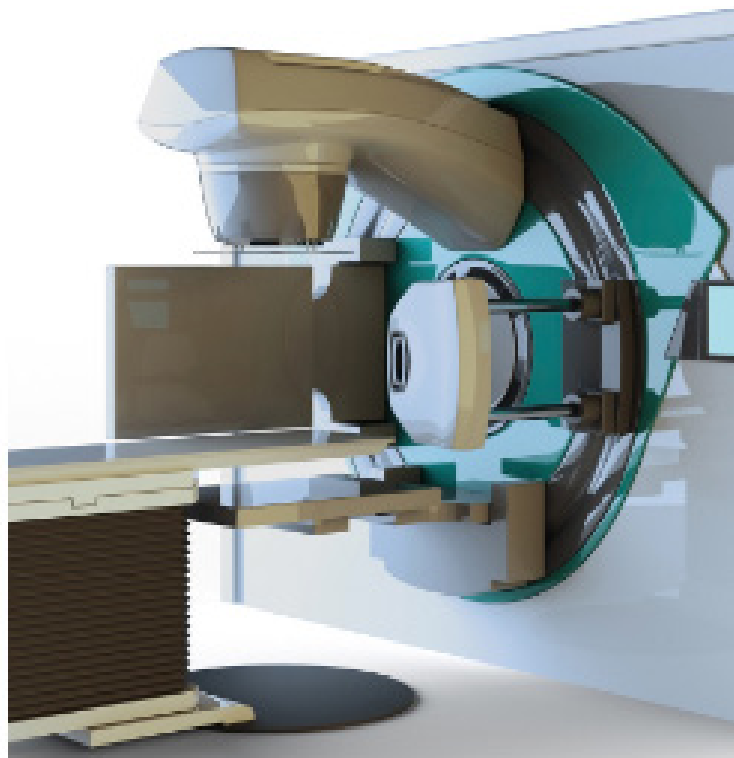




**#BIRTO24**

**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: Andy Poynter and Samaneh Shoraka

11:30 Clinical overview of upcoming PBT clinical 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: Ms Sarah-Jane Ketterer

Ms Rhea Crighton, Lead Gynaecology Clinical Nurse Specialist, Royal Devon Hospitals

Ms Jemima Reynolds, Trekstock

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

Dr Alex Dunlop, Radiotherapy Physicist, Royal Marsden Hospital and Institute of Cancer Research

16:30 Talk title to be confirmed

Speaker to be confirmed

# 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: Dr Mike Kirby

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: Ms Sarah-Jane Ketterer

Ms Rhea Crighton, Lead Gynaecology Clinical Nurse Specialist, Royal Devon Hospitals

Ms Jemima Reynolds, Trekstock

15:00 Break

### Session 3: Manufacturers session

Chair: To be confirmed

15:30 Automating radiotherapy treatment planning using machine learning

Mr 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 Ramtohl, 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: Scott Hanvey and Samaneh Shoraka**

|       |                                                                                                                                                                      |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 09:30 | <b>Therapeutic radiographers</b><br>Ms Melanie Clarkson, Principal Lecturer, Sheffield Hallam University                                                             |
| 10:00 | <b>Surface Guided Radiotherapy: IGRT evolves – safer, quicker and more accurate treatments</b><br>Joshua Naylor, Radiotherapy Physicist, University Hospitals Dorset |
| 10:30 | <b>Initial results from the BIR's Linac Engineer Survey</b><br>Dr Mike Kirby, Senior Lecturer (Radiotherapy Physics), Liverpool University                           |
| 10:45 | <b>Talk title to be confirmed</b><br>Speaker to be confirmed                                                                                                         |

11:00 **Break**

### Session 2: Learning from errors/Inspections/Regulatory changes

**Chair: Ms Helen Best and Mr John Rodgers**

|       |                                                                                                                                             |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 11:30 | <b>Updates to IR(ME)R and learning from SAUE</b><br>Ms Cristfona Logan, Specialist Clinical Radiotherapy Officer, UK Health Security Agency |
| 12:00 | <b>Advancing safer radiotherapy – new guidance</b><br>Ms Úna Findlay, Medical Exposures Group Leader, UK Health Security Agency             |
| 12:30 | <b>Talk title to be confirmed</b><br>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 | <b>Tumour treating fields and the Trident trial</b><br>Dr Brian Berger |
| 16:00 | <b>Talk title to be confirmed</b><br>Speaker to be confirmed           |
| 16:30 | <b>Talk title to be confirmed</b><br>Speaker to be confirmed           |

17:00 **Close of event**



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Audrey House, 16-20 Ely Place,  
London EC1N 6SN  
[www.bir.org.uk](http://www.bir.org.uk)

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