

## Fees, booking and registration form

Thursday 27<sup>th</sup> to Saturday 29<sup>th</sup> May 2022. The cost is £500 per person. A special offer of £1200 is available to cover a team of 3 participants from the same centre, in which case each team member should complete a registration form and the 3 forms should be sent together. (Please photocopy this form if necessary).

Name

Organisation

Specialty: Physicist / Oncologist / Radiographer / Other

Which linac would you use for IGRT and IMRT/VMAT?

Elekta / Siemens / Varian (please circle)

Oncologists, which clinical site is your specialty?

Which device(s) do you use for IGRT (please specify)

Cone beam / KV -KV/ Exactrac / Tomo CK / MR/Other

Which TPS do you use for IMRT / VMAT (please specify)

Do you use VMAT/ Soft Tissue Matching/ Fiducials/ Gating / Breath Hold/ 4D CBCT  
OTHER (please specify)

Which clinical sites?

Address

Postcode (UK)

Telephone/Fax

Email

I would like to attend the IGRT Course. I enclose a cheque for the full amount of £..... payable to: **"The Institute of Cancer Research"**  
Or please invoice (please give the exact contact information to secure your booking)

**Venues:** The lectures for days 1 & 2 are in The Chester Beatty Laboratories, 237 Fulham Road, London SW3 6JB. The physics, radiographer and oncologist practical sessions on Saturday will be carried out in the Radiotherapy department of The Royal Marsden Hospital until 1.15pm.

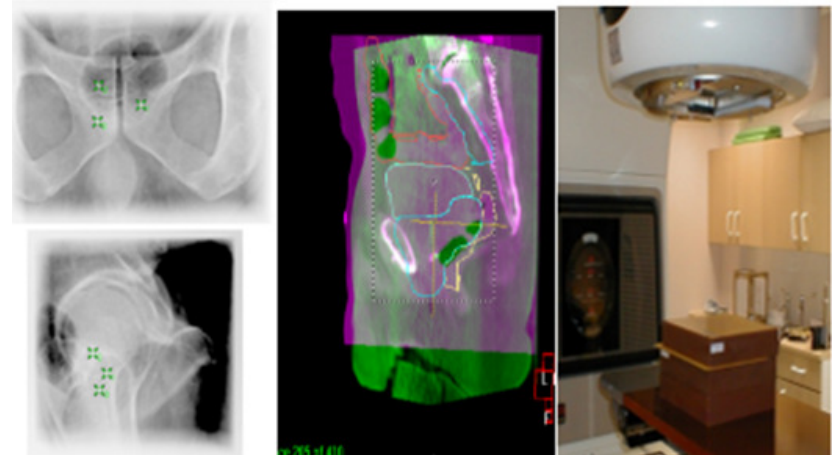
Please fax/email/post completed form, and forward your payment invoice info to: The Course Secretary, Physics Department, The Royal Marsden NHS Foundation Trust, Fulham Road, London SW3 6JJ

Tel.+44 (0)207 808 2501; Fax+44(0)2078082522

Email: sandra.poku@rmh.nhs.uk

[www.icr.ac.uk/igimrt](http://www.icr.ac.uk/igimrt)

## SABR TOPICS ADDED



## Image Guided & Adaptive Radiotherapy in Clinical Practice Thursday 27<sup>th</sup> to Saturday 29<sup>th</sup> May 2022

Departments of Physics and Radiotherapy

The Royal Marsden NHS Foundation Trust and The Institute of Cancer Research

### Includes:

- Adaptive RT
- Target Monitoring Techniques
- 4D/ CBCT
- IMRT / VMAT
- Radiation Free Patient Verification

**This course is accredited 19 Category I credits under  
The Royal College of Radiologists CPD scheme**

## Introduction

This 3day course is designed to help clinicians, physicists and radiographers develop and maintain for the clinical implementation of image guided radiotherapy.

The course has been awarded 19 RCR Category I CPD credits under **The Royal College of Radiologists** CPD scheme. In 2017 it received 20 CPD credit-points from (**EFOMP**) **The European Federation of Organisations for Medical Physics**

The curriculum covers many practical aspects and includes hands-on practical sessions, image matching, QA and dosimetry.

We recommend a team of oncologist, physicist and radiographer from the same centre attend together.

Included in the cost of the course are a set of lecture notes, a CD of the presentations, lunches, refreshments, cheese and wine, and a course dinner (sponsored by the manufacturers) on the evening of Thursday 3<sup>rd</sup> February.

## Provisional Programme

### Day One (Thursday 27<sup>th</sup> May)

- *Patient Preparation and Immobilization*
- *MRI for Radiotherapy*
- *MR Guided Radiotherapy (New)*
- *Image Guidance and Verification for Proton Therapy*
- *Ultrasound in Radiotherapy*
- *CT, 4DCT, CBCT and Image Quality (New)*
- **\*Imaging & Margins in Head and Neck (This Is Not an Apple)**
- *Margins for Geometric Uncertainties*
- *Intrafraction Imaging (New)*
- *Adaptive Bladder Techniques, Treatment Planning, Dose & Imaging*
- *Highly Conformal Radiotherapy and IGRT for Gynaecological Targets*
- *IGRT Processes for Gynaecological Cancers*
- **Course Meal**

### Day Two (Friday 28<sup>th</sup> May)

- *Image Guided Implications of Future Developments in Advanced Radiotherapy*
- *Breast Clinical Trials with Relevant Imaging and Pathway: CBCT Verification and Nodal Treatment*
- *SABR, Prostate Bed, Fractionation & Associated Imaging Requirements/Pathways*
- *Image Verification for Prostate Patients*
- *SABR for Lung*
- *FFF Small Field Dosimetry and QA with SABR*
- *Head & Neck IGRT Trials, Scheduled & Reactive Adaptive Pathways*

- *IMRT/VMAT Planning: Treatment Planning Robustness*
- *Image Verification for Lung Tumours: with and without Fiducials*
- *Surface Guided Radiotherapy*
- *Plan of the Day: Adaptive Imaging on all Clinical Sites & Course Quiz*

### Day Three (Saturday 29<sup>th</sup> May)

#### Practical Demonstration & Discussion

- *Guidance on developing protocols for outlining, dose Constraints, IMRT/VMAT planning and image verification for Head & Neck, Lung, Liver, Prostate, Bladder, Breast and Gynae by experienced users (oncologists, physicists) will be available*
- *Practical sessions on QA and Imaging, covering Pre-Treatment and Patient Treatment Procedures - from the TPS to the Linac and Patient: including Patient to Phantom Dosimetry; Fluence Verification; Dosimetric Verification; Patient Setup and Verification using Cone Beam, KV; Linac, MLC and ExacTrac Device QA, Image Matching, Plan Choice, 4DCT, Data Analysis*

#### External speakers

Dr Angela Baker, Barts Health NHS Trust

Dr Andrew Gosling, University College Hospitals

#### \*Special Guest Speaker

Professor Vincent Gregoire

Centre Léon Bérard

Lyon, France

Honorary Physicist (ESTRO 2015)

#### RMH/ICR course faculty

Ms Sophie Alexander, Ms Margaret Bidmead, Dr David Bernstein, Dr Jenny Bertholet, Dr Elly Castellano, Dr Alex Dunlop, Dr Shaista Hafeez, Dr Emma Harris, Dr Eva Kousi, Dr Susan Lalondrelle, Dr Helen McNair, Dr Julia Murray, Mr Adam Mitchell, Dr Fiona McDonald, Dr Simeon Nill, Professor Uwe Oelfke, Dr Alison Ranger, Ms. Punita Shah, Dr Michael Thomas, Dr Kee Howe Wong

#### Course organizers

Ms Margaret Bidmead, Dr Helen McNair, Dr Emma Harris