



Proton Beam Therapy

Part of The Christie Advanced Radiotherapy Summer School

Monday 11th July 2016

Education Centre (Dept 17), The Christie, Manchester, M20 4BX

Keynote speakers

Dr Adrian Crellin
**Clinical Lead on Proton Beam Therapy,
NHS England**

Dr Andrzej Kacperk
**Cyclotron Manager, Clatterbridge Cancer Centre
NHS Foundation Trust**

Professor Karen Kirkby
**Richard Rose Chair in Proton Therapy Physics,
The Christie**

Further Information

Fee	£495 (whole week) or £150 per day Reduced rates for Christie staff
Visit	christie.nhs.uk/SoO
Register	adv-radiotherapy.eventbrite.co.uk
Email	education.events@christie.nhs.uk
Call	0161 918 7409
Connect	@TheChristieSoO

Social Event

There will be the opportunity for delegates to network in more informal surroundings at the evening bowling social at Parrswood Entertainment Complex (additional £10)

Target Audience

The course is deliberately aimed at a wide audience: radiographers, medical physicists and clinicians as well as those from a more academic environment who wish to learn more about this subject

Day endorsed by The Royal College of Radiologists for 7 CPD credits

07.30 Registration & coffee

08.15 Welcome
Roger Spencer - Chief Executive, The Christie

08.30 Plenary lecture - Overview of UK PBT service
Dr Adrian Crellin - Clinical Lead on Proton Beam Therapy, NHS England

Clinical Focus

Chair: Dr Rovel Colaco

Consultant in Clinical Oncology, The Christie

09.00 Protons, a step change towards toxicity 'lite' paediatric radiation treatment?
Dr Ed Smith - Consultant in Clinical Oncology and Clinical Lead for Protons, The Christie

09.20 Protons for Sarcoma Tumours
Dr Catherine Coyle - Consultant in Clinical Oncology, The Christie

09.40 Protons for CNS and Base of Skull Tumours
Dr Gillian Whitfield - Consultant in Clinical Oncology, The Christie

10.00 Protons for Head and Neck Tumours
Dr Lip Lee - Consultant in Clinical Oncology, The Christie

10.20 Panel discussion

10.40 Coffee break

Technical Focus

Chair: Dr Andrzej Kacperek

Cyclotron Manager, Clatterbridge Cancer Centre

11.00 Basic physics and the related equipment choices for a national service
Dr Ranald Mackay - Director of Physics and Technical Lead for Protons, The Christie

11.45 Commissioning and QA of PBT equipment
Michael Trainer - Principal Clinical Scientist, The Christie

12.15 PBT treatment planning
Dr Adam Aitkenhead - Principal Research Scientist, The Christie

12.45 Panel discussion

13.00 Lunch

13.45 **Workshop 1) Choose one of the following four workshops to attend:**

A) PBT operational aspects

Hazel Pennington - Lead Radiographer Proton Therapy Project, The Christie
Dr Ed Smith - Consultant in Clinical Oncology and Clinical Lead for Protons, The Christie

B) PBT centre design and construction

Phil Turner - Project Manager, The Christie

C) Ocular PBT

Dr Andrzej Kacperek - Cyclotron Manager, Clatterbridge Cancer Centre

D) Proton radiobiology

Amy Chadwick - Research Associate, The Christie

14.30 **Workshop 2) Choose one workshop (A, B, C or D) to attend**

15.15 Coffee break

Future Directions

Chair: Professor Karen Kirkby

Richard Rose Chair in Proton Therapy Physics, The Christie

15.45 Future directions for PBT treatment planning
Matt Lowe - Senior Clinical Scientist, The Christie

16.15 Future of PBT indications
Dr Rovel Colaco - Consultant in Clinical Oncology, The Christie

16.45 PBT research
Professor Karen Kirkby - Richard Rose Chair in Proton Therapy Physics, The Christie

17.15 Interactive quiz

17.30 Finish

19.00 Optional bowling social evening (additional £10 for 1 day delegates - email education.events@christie.nhs.uk for more info)
Location: Parris Wood Entertainment Centre, Wilmslow Rd, Manchester M20 5PG

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