



Provisional Programme

5th UK Radiation Oncology Conference

6th—8th April 2009, City Hall, Cardiff.

Joint meeting of the British Institute of Radiology, the College of Radiographers, the Institute of Physics and Engineering in Medicine and The Royal College of Radiologists

**A multidisciplinary conference for
Clinical Oncologists,
Therapy Radiographers,
Radiotherapy Physicists,
Clinical Radiobiologists and
Oncology Nurses.**



**UKRO Conference Secretariat, 230 Tadcaster Rd, York, YO24 1ES
T:01904 610821 E: UKRO@ipem.ac.uk**

WELCOME

It is our pleasure to invite you to attend the 5th UK Radiation Oncology Conference (UKRO) which will be held at the City Hall in Cardiff from the 6th—8th April 2009.

Many of you will have attended the previous UKRO meetings and know how successful they have been. We plan to build on these meetings to provide a further opportunity for clinical oncologists, radiotherapy physicists, therapy radiographers, clinical scientists and oncology nurses to exchange ideas and engage in debates at a first class scientific meeting.

The programme will include a combination of high profile invited plenary speakers and parallel sessions aimed at catering for the interests of all delegates. Teaching lectures and proffered paper sessions are also a feature of the programme. There will be two full days of commercial exhibition accompanying the meeting. A full social programme is also on offer.

We look forward to welcoming you to Cardiff in April.

Yours sincerely
Nest Bowl and Peter Kirkbride
Co-Presidents UKRO 2009

ACCOMMODATION AND TRAVEL

Location

The conference will take place at the City Hall, Cardiff.

Accommodation

A wide range of hotels are located within easy walking distance of both the station and the City Hall. Further details of these are available on our website at www.ukro.org.uk

Travel

Cardiff International Airport is 12 miles (19 km) away and Cardiff Central train and bus stations are just a few minutes from City Hall.

SOCIAL EVENTS

Social events will include:

On the Sunday night a satellite symposium session will be run. This is being held within the City Hall and is sponsored by sanofi-aventis and Varian.

On the Monday night is the Conference Dinner. The dinner is being held in the National Museum of Wales, Cardiff. There will be an opportunity to look round one of the exhibitions as well as be entertained by a Welsh male voice choir.

On the Tuesday night, there will be an opportunity to explore Cardiff Bay and perhaps even catch a glimpse of Doctor Who. There will also be an evening of jazz music in town for those who wish to attend.



MONDAY 6TH APRIL 2009	
9.30 – 9.45	Welcome and Introduction
9.45 – 11.00	George Edelstyn Lecture (RCR) Anthony Zeitman – Beams, dreams, and proton schemes: How a rampant market distorted prostate cancer care in the US and what the UK can learn from it
11.00 – 11.30	Coffee, Posters and Exhibition
11.30 – 13.00	Parallel Session 2a — IGRT Parallel Session 2b — Palliative Radiotherapy Invited speakers to be confirmed
13.00 – 14.00	Lunch
14.00 – 14.45	Martine Jackson Memorial Lecture (SCoR) Margaret Abraham — Ripples that make the sea of change
14.45 – 16.15	Parallel Session 4a — IMRT Parallel Session 4b — Acute and late effects / re-treatment in radiotherapy
16.15 – 18.00	Drinks reception in Exhibition Hall
19.00	Conference Dinner
TUESDAY 7TH APRIL 2009	
08.30 – 09.15	Teaching Workshop 1 Molecular Profiling to predict radiotherapy response
08.30 – 09.15	Teaching Workshop 2 Geometric Verification
09.30 – 10.15	Douglas Lea Lecture (IPEM) David Brenner – Understanding and potentially reducing radiotherapy-induced second cancers
10.15 – 11.00	Parallel Session 6a — Lung Parallel Session 6b — Breast
11.00 – 11.30	Coffee Break and Exhibition
11.30 – 13.00	Session 7— Education Rob Appleyard – Extending VERT to other professional groups Colin Baker – Extending VERT for modelling Monte Carlo simulations Raj Jena – Creating e-learning solutions for educating radiotherapy professionals Invited speaker to be confirmed
13.00 – 14.00	Lunch
14.00 – 14.45	Frank Ellis Memorial Lecture (BIR/RCR) Jack Fowler — Solving fractionated radiotherapy
14.45 – 15.45	Debate – 'This House believes that the routine use of IVD is a waste of time and money' Alan Mackenzie & Alastair Munro
15.45 – 16.15	Coffee
16.15 – 17.15	Parallel Session 10a — GI Invited speaker to be confirmed Parallel Session 10b — Clinical trials Invited speaker to be confirmed
19.30 Onwards	Social event
WEDNESDAY 8TH APRIL 2009	
08.30 – 09.15	Teaching Workshop 3 Can you trust your planning system? — Colin Baker
08.30 – 09.15	Teaching Workshop 4 Interactive case discussions — Jim Barber
09.30 – 11.00	Session 11— Best proffered papers
11.00 – 11.30	Coffee break (no exhibition)
11.30 – 13.00	Session 12— Future of Radiotherapy in the UK Mike Kirby—Setting up satellites Jane Head – Staffing models for satellites Karol Sikora – The role of independent centres Adrian Crellin – Future possibilities for proton services in the UK
13.00	Close of Meeting

This is a draft programme and is subject to change

MONDAY 6TH APRIL 2009

Introduction

Peter Kirkbride and Nest Bowl

Session 1: RCR George Edelstyn Lecture

11 Beams, dreams, and proton schemes: How a rampant market distorted prostate cancer care in the US and what the UK can learn from it Anthony Zeitman, Harvard Medical School, Boston, USA.

Session 2a: IGRT

1 Introduction of image based conformal brachytherapy for cervical cancer into routine clinical practice

Dr Rachel Cooper, St James's Institute of Oncology

2 LDR prostate brachytherapy: Evolution of a novel one-stage real-time planning technique

Dr Jenny Nobes, The Royal Surrey County Hospital

3 Set up accuracy for pelvic and head-and-neck radiotherapy measured with daily MVCT imaging – one centre's experience

Mrs June Dean, Addenbrooke's Hospital, Cambridge

4 Motion correction in cone beam CT (CBCT) by projection image warping

Dr Tom Marchant, The Christie NHS Foundation Trust

5 Experimental validation of a target tracking IMRT delivery with conventional MLCs

Mr Dualta McQuaid, Institute of Cancer Research

6 The use of cone beam-CT to generate patient - specific PTV margins in bladder cancer: a feasibility study

Dr Shaun Tolan, Princess Margaret Hospital, Toronto

7 How can you use QALYs to justify IGRT cone-beam CT scanning on every fraction when treating errant prostates?

Dr Alan McKenzie, Bristol Oncology Centre

Session 2b: Palliative Radiotherapy

Invited speakers to be confirmed

8 High dose palliative radiotherapy for cervical cancer

Dr Natalie Charnley, St James's Hospital

9 Role of short course hypofractionated palliative radiotherapy in head and neck cancer patients

Dr Kiran Kancharla, St James's Institute of Oncology

10 Dosimetric consequences of adopting standard monitor units for low dose whole brain radiotherapy

Dr Deborah Williamson, St James's Institute of Oncology, Leeds Teaching Hospital

Session 3a: SCoR Martine Jackson

Memorial Lecture

12 Ripples that make the sea of change Margaret Abraham, Lancashire Teaching Hospitals NHS Foundation Trust, Preston

Session 4a: IMRT

11 Early experience of simultaneous integrated boost IMRT to the prostate and pelvic nodes for high risk prostate cancer

Dr Girija Anand, Imperial College Healthcare NHS Trust

12 Six years of clinical IMRT – lessons from the analysis of dosimetric verification results

Mr Geoff Budgell, The Christie NHS Foundation Trust

13 The effect of beam energy on IMRT treatment plans and the risk of secondary induced malignancies

Mr Mohammad Hussein, Royal Surrey County Hospital

14 Volumetric arc modulated radiotherapy for carcinomas of the oropharynx, hypopharynx and larynx.

Dr Luca Cozzi, Oncology Institute of Southern Switzerland

15 Prostate volumetric arc therapy (VMAT) planning and verification using Philips Pinnacle and a Delta4 detector array

Dr Christopher Golby, The Christie NHS Foundation Trust

16 Development of new radiobiological models for evaluating intensity-modulated radiation fields

Mr Conor McGarry, Northern Ireland Regional Medical Physics Agency

17 Commissioning of the Delta4 Phantom for volumetric arc therapy (VMAT)

Mr Alistair Pooler, The Christie NHS Foundation Trust

18 Application of a new dosimetry formalism to volumetric modulated arc therapy (VMAT)

Dr Karen Rosser, Royal Marsden NHS Foundation Trust

Session 4b: Acute and late effects / re-treatment in radiotherapy

19 Is peak gastrointestinal toxicity during pelvic radiotherapy a better predictor of late effects than cumulative toxicity

Dr Jervoise Andreyev, The Royal Marsden NHS Foundation Trust

20 A candidate gene study of TGF β -1 does not reveal an association with breast shrinkage after radiotherapy

Dr Gillian Barnett, Addenbrooke's Hospital, Cambridge

21 The impact of weight loss on set-up error in radical chemoradiotherapy for Head and Neck Cancer

Dr Mandip Khaira, Royal Surrey County Hospital

22 Outcomes from combined brachytherapy and external beam radiotherapy treatment for intermediate and high risk carcinoma

Dr Daniel Saunders, St James's Institute of Oncology

23 Independent validation of rectal dose-volume constraints using MRC RT01 (ISRCTN47772397) trial data.

Dr Sarah Gulliford, Institute of Cancer Research and Royal Marsden NHS Trust

24 Salvage iodine-125 seed brachytherapy for locally recurrent prostate cancer after external beam radiotherapy

Dr Daniel Smith, St Bartholomew's Hospital

25 Quality of life, five years after I-125 brachytherapy for localised prostate cancer

Mrs Thelma Witteveen, St James's Institute of Oncology

TUESDAY 7TH APRIL 2009

Teaching workshop 1: Molecular profiling to predict radiotherapy response. Catherine West, School of Cancer and Imaging Sciences, University of Manchester

Teaching workshop 2: Geometric Verification.

Donna Routsis, Addenbrooke's Hospital, Cambridge.

Session 5: IPEM Douglas Lea Lecture.

I3 Understanding and potentially reducing radiotherapy-induced second cancers

David Brenner, Columbia University, New York.

Session 6a: Lung

26 PET-CT for GTV definition reduces inter-observer variation in non-small cell lung cancer

Dr Gerard Hanna, Centre for Cancer Research and Cell Biology, Queen's University of Belfast

27 A phase II trial of induction chemotherapy followed by CHART in locally advanced NSCLC

Dr Peter Jenkins, Cheltenham General Hospital

28 Improving tumour control probability with active breathing control and dose escalation

Dr Mike Partridge, Royal Marsden NHS Foundation Trust & Institute of Cancer Research

29 The technical limitations of a four dimensional CT system for radiotherapy planning

Mr David Smith, St James's Institute of Oncology

30 Automatic versus manual alignment in cone beam CT image review for radical lung patients

Mrs Suzanne Stanley, St James's Institute of Oncology

Session 6b: Breast

31 MRI delineation of tumour bed for partial breast irradiation: fusion/comparison with CT/titanium clip-based method

Dr Anna Kirby, Royal Marsden NHS Foundation Trust

32 Fatigue, depression and physical activity in breast radiotherapy patients: Are they explained by sickness behaviour?

Mr Nick Courtier, Cardiff University

33 Left anterior descending coronary artery (LAD) doses from breast radiotherapy: is prone treatment beneficial?

Dr Anna Kirby, Royal Marsden NHS Foundation Trust

34 Angiosarcoma following breast conserving Therapy - A single centre experience

Dr Deborah Williamson, St James's Institute of Oncology

Session 7: Education

I4 Extending VERT to other professional groups

Rob Appleyard, Sheffield Hallam University

I5 Extending VERT for modelling Monte Carlo simulations Colin Baker, Liverpool University.

I6 Creating e-learning solutions for educating radiotherapy professionals Raj Jena, Addenbrooke's Hospital, Cambridge.

Additional Invited speaker to be confirmed.

35 The clinical introduction of 3D treatment verification and the need for education and training

Mrs Julie Davies, The Christie NHS Foundation Trust

36 An interactive visualisation tool of local TCP and NTCP estimates for comparative 3-D treatment plan assessment

Dr Rajesh Jena, Cambridge University Hospitals NHS Foundation Trust

37 Learning from patients — an example of service user involvement in radiotherapy education

Mrs Keren Williamson, Cardiff University

Session 8: BIR and RCR Frank Ellis Memorial Lecture

I7 Solving fractionated radiotherapy

Jack Fowler, London.

Session 9: Debate

This house believes that the routine use of IVD is a waste of time and money Alan Mackenzie and Alastair Munro.

Session 10a: GI

38 MRI staging for resectable rectal cancers and correlation with TNM Stage. Two Birmingham MDTs' experience

Dr Andrew Chan, The Cancer Centre, Queen Elizabeth

39 An update on high dose rate afterloading intraluminal brachytherapy for advanced inoperable rectal carcinoma

Dr Carie Corner, Mount Vernon Cancer Centre

40 The role of high dose rate (HDR) brachytherapy boost in pre-operative patients with rectal cancer.

Preliminary results of CCO-Braca trial

Dr Tanmay Mukhopadhyay, Clatterbridge Centre for Oncology

41 Defunctioning stomas prior to chemoradiation for anal cancer are usually permanent

Dr Rachel Cooper, St James's Institute of Oncology

42 Respiratory movement of upper abdominal organs and its impact on radiotherapy planning in pancreatic cancer

Dr Sarah Gwynne, Velindre Cancer Centre

Session 10b: Clinical Trials

Invited speaker to be confirmed.

43 Phase II study of cetuximab and radiotherapy in patients with locally advanced pancreatic cancer (PACER study)

Dr Agata Rembielak, University of Manchester

44 Implementation of a QA RT sub study for SCOPE 1; preliminary results for test cases

Dr Lisette Nixon, Cardiff University

45 Multi-disciplinary intra-operative breast radiotherapy

Mr David Eaton, Royal Free Hospital

I8 ACORRN. Pat Price, ACORRN, Christie Hospital NHS Foundation Trust



WEDNESDAY 8TH APRIL 2009

Teaching workshop 3: Can you trust your planning system? Colin Baker, Liverpool University
Teaching workshop 4: Interactive case discussions. Jim Barber, Velindre Hospital NHS Trust

Session 11: Best proffered papers

46 Acute radiation toxicity of the breast can predict late reactions: preliminary results of the Cambridge Breast IMRT and RAPPER studies

Dr Gillian Barnett, Addenbrooke's Hospital

47 Steps to clinical implementation of online image guided adaptive radiotherapy

Dr Susan Lalondrelle, Royal Marsden NHS Foundation Trust

48 A pre-clinical assessment of an atlas-based automatic segmentation tool for the head & neck

Dr Richard Sims, University Hospital Leicester

49 Single arc volumetric modulated arc therapy (VMAT) for the treatment of prostate and pelvic lymph nodes

Dr Philip Wai, The Institute of Cancer Research and the Royal Marsden NHS Foundation Trust

50 Geographical variation in radiotherapy waiting times and dose-fractionation in the UK in 2007

Dr Michael Williams, Addenbrooke's Hospital

Session 12: Future of Radiotherapy in the UK

19 Setting up satellites Mike Kirby, The Christie Hospital NHS Foundation Trust, Manchester

110 Staffing models for satellites Jane Head, Guys & St Thomas' Hospital

51 Reporting of errors: the role of the new classification

Mrs Geri Briggs, Health Protection Agency

52 In vivo exit dosimetry with an amorphous silicon EPID

Mrs Nichola McGrath, The Christie NHS Foundation Trust

53 Reality check: modelled demand for radiotherapy in England in 2007

Dr Michael Williams, Addenbrooke's Hospital

111 The role of independent centres. Karol Sikora, Cancer Partners UK

112 Future possibilities for proton services in the UK Adrian Crellin, St James's Institute of Oncology

EXHIBITION

This year there will be a two day exhibition giving you the opportunity to find out about latest developments and explore the current market. Our main sponsors are:

- Varian
 - Brainlab
 - Oncology Systems Ltd
 - Nucletron
 - Oncology Imaging Systems
- Also exhibiting are:
- Accuray
 - CMS
 - Elekta
 - Imaging Equipment
 - Philips
 - Physics Instruments
 - Pukka J
 - Qados
 - Siemens

UKRO is run jointly by the British Institute of Radiology, The College of Radiographers, the Institute of Physics and Engineering in Medicine and The Royal College of Radiologists.



Registration Form UKRO 6th—8th April 2009

Title:	First name:	Surname:
Job Title:		
Department:		
Affiliation: (Hospital/University etc)		
Address:		
City and Postcode:		Country:
Tel no:		Email

Profession	
Membership:	BIR <input type="checkbox"/> COR <input type="checkbox"/> IPED <input type="checkbox"/> RCR <input type="checkbox"/> None <input type="checkbox"/> Other _____

SECTION A — REGISTRATION FEES

Full conference attendance	Early Registration by 20th Feb	Late Registration after 20th Feb
Medical consultants	£387	£430
Standard registration	£300	£335
Undergraduates and retirees	£242	£270
	Subtotal Section A	£

Two day conference attendance		
Please indicate which two days you wish to attend: Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/>		
	Early Registration by 20th Feb	Late Registration after 20th Feb
Medical consultants	£324	£360
Standard registration	£262	£290
Undergraduate and retirees	£162	£180
	Subtotal Section A	£

One day conference attendance		
Please indicate which day you wish to attend: Monday <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/>		
	Early Registration by 20th Feb	Late Registration after 20th Feb
Medical Consultants	£162	£180
Standard registration	£131	£145
Undergraduate and retirees	£81	£90
	Subtotal Section A	£

Registration Form—continued

SECTION B: SOCIAL EVENTS

ITEM	Cost (£)	No of tickets	Total (£)
Sunday 5th April 2009 Symposium sponsored by sanofi-aventis and Varian	£5		£
Monday 6th April 2009 Conference dinner at the National Museum of Wales Cardiff	£50		£
Tuesday 7th April 2009 Coaches to Cardiff bay Jazz evening in town	£3.50 £5		£ £
Subtotal Section B			£

PAYMENT DETAILS — please insert the section subtotals and total payment due and indicate your preferred payment method.

	£ (Sterling)
Sub-total Section A—Registration	£
Sub-total Section B—Social Events	£
Total Payment Due	£

Please tick which applies:

✓

	I enclose a cheque made payable to 'ROC Events Ltd' for £..... in payment of the above (UK Sterling only)												
	Please debit my *Visa / Eurocard / Mastercard / Switch / Maestro with £..... (*Please delete as appropriate)												
	Credit Card No:												
	Valid From	/	Expiry Date	/	Issue no (switch only)	Security code	/	/					
	Credit card address (if different from the above)												
	I wish to pay by invoice (UK delegates only) Please note that a written purchase order confirmation from your finance department must accompany this registration form.												
Signature:										Date:			

Please return the signed and completed form, together with your remittance, to:
 UKRO Secretariat, 230 Tadcaster Rd, York, YO24 1ES.
 Tel: +44 (0) 1904 610821 Fax + 44 (0) 1904 612279 Email: ukro@ipem.ac.uk

Cancellation policy: If you cancel your registration, a refund of the registration fee and social event tickets will be made less 20% administration costs provided written confirmation is received by the Secretariat Office before the 20th February 2009. Thereafter no refunds can be made.

Data Protection: From time to time we may contact you by post with further information on UKRO. If **you do not wish** to receive this please tick this box

From time to time we may like to contact you by email with further information on UKRO. If **you wish** to receive this, please tick this box

We may also periodically pass on your details to other organisations who may wish to send you relevant information and offers.

If **you wish** to receive this please tick this box