

#RCRLive21

Monday 4 October–Friday 22 October 2021 www.rcr.ac.uk/RCRLL21

RCR Learning Live 21 is the Royal College of Radiologists 2021 Annual Conference. Being held over three weeks, this dynamic and interactive digital conference offers high quality clinical and medical education for both specialties, specific sessions for trainees and cross faculty sessions looking at topics that affect all of those across the globe who work in imaging. The programme of morning and evening sessions and lunchtime symposia offers flexibility for live participation and access on-demand for three months, until Christmas 2021, meaning that our programme can be accessed anytime and anywhere. Alongside the sessions you'll be able to access a record number of poster and proffered paper abstracts, case of the day competition, engagement with industry partners and speakers, social networking and wellbeing activities.

Oncology week

Week commencing 4 October 2021

Monday 4 October

∽<mark>′′</mark>∠06:45–07:30*

Sunrise yoga

_`́́́́__ 08:00−10:30

Proton beam therapy (PBT) Chair: Dr Shermaine Pan

NHS England PBT service in the UK: what do I, the

referrer need to know? Professor Adrian Crellin, Leeds Teaching Hospitals NHS Trust

Clinical trials in PBT: what is on the horizon? Professor Chris Nutting, The Royal Marsden NHS Foundation Trust, London

Challenges and uncertainties: do they matter? Dr Matthew Clarke, The Christie NHS Foundation Trust, Manchester

Building real-world evidence: The proton clinical outcomes unit (PCOU)

Dr Ed Smith, The Christie NHS Foundation Trust, Manchester

Interactive case studies: For or against? Oesophageal case

Dr Ganesh Radhakrishna and Dr Matthew Lowe, The Christie NHS Foundation Trust, Manchester, Dr Anna Shiarli, Cambridge University Hospitals NHS Foundation Trust, Dr Jason K. Molitoris, Assistant Professor University of Maryland School of Medicine, USA and patient representatives

Tuesday 5 October

`́́ 08:00−10:00**

Central nervous system (CNS) cancer: Update on standard of care and the use of proton beam therapy in adults - Lectures Chair: Professor Susan Short

Management of glioma: radiotherapy, chemotherapy, symptoms and side effects Dr Catherine McBain, The Christie NHS Foundation Trust and Dr Florien Boele, The University of Leeds

What you need to know about molecular pathology of gliomas to make treatment decisions Professor Sebastian Brandner, University College London Hospitals NHS Foundation Trust

Indications for proton beam therapy in CNS Dr Gillian Whitfield, The Christie NHS Foundation Trust, Manchester



12:30-13:30*

Cyclotron Trust Symposium Chairs: Dr Ed Smith and Dr Yen Chang

Particle therapy in general Professor Eugen Hug, MedAustron Ion Therapy Center, Austria

Fellowships

Cyclotron Trust opportunities

Dr Nicky Thorp, Medical Director-elect, Professional Practice, Clinical Oncology, The Royal College of Radiologists

Learning about proton beam therapy (PBT): is it useful for a trainee?

Dr Harshani Green, University College London NHS Foundation Trust and Dr Will Croxford, The Christie NHS Foundation Trust, Manchester

Panel: What opportunities are there?

17:30-20:00

Horizon scanning: Stereotactic ablative radiotherapy (SABR) for oligometastatic disease- next steps Chair: Dr Ganesh Radhakrishna

An overview of the research landscape for oligomet SABR

Professor Maria Hawkins, University College London

Integrating immuno-oncology (IO) and SABR- a match made in heaven?

Anna Wilkins, Institute of Cancer Research and Francis Crick Institute

Practical considerations when treating multiple oligometastases with stereotactic Dr Kevin Franks, Leeds Teaching Hospitals NHS Trust

Improving the integration of SABR with systemic

therapies by using single-fraction and adaptive SABR delivery

Professor Suresh Senan, Amsterdam University Medical Center, Holland

Horizon scanning: SABR for Oligometastatic disease – next steps

Dr Steve Chmura, University of Chicago, USA

12:30-13:30

18:00-20:00**

Central nervous system (CNS) cancer: update on standard of care and the use of proton beam therapy in adults - Planning and questions and answers Chair: Professor Susan Short

Case based discussions

Dr Naomi Fersht, University College London Hospitals NHS Foundation Trust and Dr Gillian Whitfield, The Christie NHS Foundation Trust

Introduction to APPROACH study

Dr Louise Murray, University of Leeds and Leeds Teaching Hospitals NHS Trust

Quality assurance contouring session for APPROACH study

Dr James Powell, Velindre University NHS Trust, Cardiff

O RADIOLOGY

O ONCOLOGY O CROSS FACULTY

Booking fees from £20 Book 3+ sessions and save 25% - offer ends midnight 6 September Contact conf@rcr.ac.uk 020 7406 5942

For more information please visit: www.rcr.ac.uk/RCRLL21



#RCRLive21

Oncology week

Week commencing 4 October 2021

Wednesday 6 October

≤×¹/- 08:00-10:00**

Pelvic cancers: Challenges of pelvic recurrence following radiotherapy, including stereotactic ablative radiotherapy (SABR) update

Chairs: Dr Alexandra Taylor, Dr Rebecca Muirhead and Dr Louise Murray

Introduction

Dr Alexandra Taylor, The Royal Marsden NHS Foundation Trust, London

Day to day challenges with re-irradiation of the pelvis

Dr Louise Murray, University of Leeds and Leeds Teaching Hospitals NHS Trust

Commissioning through evaluation (CTE) and SABR consortium update: gastrointestinal experience

Dr Rebecca Muirhead, Oxford University Hospitals NHS Foundation Trust

Local recurrence of prostate cancer: Brachytherapy versus SABR Dr Ann Henry, Leeds Teaching Hospitals NHS Trust

Pelvic exenteration and intra-operative radiotherapy for recurrent pelvic disease Professor Alex Mirnezami, University of Southampton

Nursing perspectives and quality of life following pelvic exenteration for gynaecological cancer Ms Andreia Fernandes, The Royal Marsden NHS Foundation Trust, London

Symptom control for recurrent pelvic disease Dr Richard Berman

Case discussions: voting and panel discussion

12:30-13:30*

Best practice in caring for lesbian, gay, bisexual, transgender, queer or questioning (LGBTQ+) patients who have cancer

. Chairs: Dr Daniel Saunders and Dr Alison Berner Introduction

Dr Daniel Saunders, Consultant in Clinical Oncology, The Christie NHS Foundation Trust,

Improving interactions: steps towards supporting LGBT patients with cancer Stewart O'Callaghan, Founder and Chief Executive, Living Through This

Providing culturally competent care to gay and bisexual men with prostate cancer Mr Sean Ralph, Consultant Radiographer Leeds Teaching Hospitals NHS Trust

The Society of Radiographers (SCoR) inclusive pregnancy guidance for ionising radiation exposures

Rachael Webster, Therapeutic Radiographer and RadNet Translational Research Radiographer, Addenbrookes Hospital

Oncological considerations for the gender diverse patient

Dr Alison Berner, Specialty Trainee in Medical Oncology, Barts Cancer Institute and Specialist Registrar in Gender Identity, The Tavistock and Portman NHS Foundation Trust

Questions and panel discussion

18:00-20:00**

Outlining workshop pelvis including stereotactic ablative radiotherapy (SABR) Chair: Dr Alexandra Taylor, Dr Rebecca Muirhead and Dr Louise Murray

The contouring workshop will focus on stereotactic radiotherapy for pelvic recurrence, including lymph node, pelvic sidewall and bone metastases. Participants will contour cases in advance and there will be interactive discussion of target volume definition and planning for SABR treatment.

Programme subject to change.



O RADIOLOGY

O ONCOLOGY

O CROSS FACULTY

For more information please visit: www.rcr.ac.uk/RCRLL21



#RCRLive21

18:00-20:00*

George Edelstyn plenary lecture

Oncology week

Week commencing 4 October 2021 **Thursday 7 October**

≥^{\/}- 08:00-10:00

Clinical oncology: The global impact of COVID-19 – an update two years on Chair: Dr Kheng Yeoh

12:30-13:30*

Update of The Royal College of Radiologists (RCR) radiotherapy consent forms

Chairs: Dr Tom Roques and Dr Emma Kennev-Herbert

Explanation of the rationale for national standard radiotherapy consent forms

Dr Emma Kenney-Herbert, East and North Hertfordshire NHS Trust and Dr Tom Roques, Medical Director, Professional Practice, Clinical Oncology, The Royal College of Radiologists

Description of the process involved in developing and publishing the consent forms

Dr Emma Kenney-Herbert, East and North Hertfordshire NHS Trust and Dr Tom Roques, Medical Director, Professional Practice, Clinical Oncology, The Royal College of Radiologists

A patient advocate's perspective on being involved in the process

Tony Murphy, Patient Advocate

How we plan to collect and respond to feedback on the initial forms

Dr Siobhan Morrison and Dr Nishanthi Silva, North Middlesex University Hospital NHS Trust

Where the project is heading in the next 12-months Dr Siobhan Morrison and Dr Nishanthi Silva, North Middlesex University Hospital NHS Trust

Question and answer session

12:30-13:30

08:00-10:00 Clinical oncology trainee session: Stereotactic ablative radiotherapy (SABR) overview for trainees - liver, lung and bone

Chair: Dr Fiona Wilson

Friday 8 October

Bone

Dr Rovel Colaco. The Christie NHS Foundation Trust. Manchester and Rachael Hall, Medical Physicist, The Christie NHS Foundation Trust, Manchester

Liver

Dr Will Croxford, The Christie NHS Foundation Trust. Manchester and Dr Rebecca Goody, Leeds Teaching Hospitals NHS Trust

Lung

Dr David Woolf, The Christie NHS Foundation Trust, Manchester and Rachael Wooder, Lung SABR Practioner. The Christie NHS Foundation Trust. Manchester

O RADIOLOGY

O ONCOLOGY

O CROSS FACULTY



Programme subject to change.

For more information please visit: www.rcr.ac.uk/RCRLL21

Booking fees from £20 Book 3+ sessions and save 25% - offer ends midnight 6 September Contact conf@rcr.ac.uk 020 7406 5942

18:00-20:00

Clinical oncology trainee session: Approach to reirradiation for the trainee

Professor Peter Hoskin, Consultant Clinical Oncologist Mount Vernon Cancer Centre, Northwood and Professor in Clinical Oncology at University of Manchester and Honorary Consultant Clinical Oncologist, The Christie NHS Foundation Trust, Manchester

Additional speakers to be confirmed.

Chair: Dr Fiona Wilson



#RCRLive21

Cross Faculty week

Week commencing 11 October 2021

4-22 October 2021

Monday 11 October

_`́́___ 08:00−10:00

Targeted locoregional therapies for liver tumours (a joint session with the British Society of Interventional Radiologists) Chairs: Dr Nadeem Shaida and Dr James Good

12:30-13:30

≠ 18:00-20:00

Wellbeing Chairs: Dr Nicky Thorp and Dr Teik Choon See Introduction and background

Dr Teik Choon See, The Royal College of Radiologists Support and Wellbeing Working Group

The role of the RCR in support and wellbeing of members and fellows

Dr Nicky Thorp, The Royal College of Radiologists Support and Wellbeing Working Group

The impact of COVID-19 on doctors' wellbeing Dr David Wrigley, British Medical Association, Deputy Council Chair

COVID and the psychological wellbeing of oncology healthcare professionals

Lynda Appleton, Specialist Nurse Practitioner, Clatterbridge Caner Centre NHS Foundation Trust, Liverpool

The importance of civility on safe and high-quality patient care

. Dr Petra Jankowska, Somerset NHS Foundation Trust

The Schwartz Round/short demonstration Aggie Rice, Mentor and Trainer for Schwartz Rounds and Team Time, Point of Care Foundation Discussion

Tuesday 12 October

ב```_ 08:00-10:00

12:30-13:30

≿ 18:00-20:00

Research in the UK – a snapshot Chair Dr Suma Chakrabarthi





#RCRLive21

Cross Faculty week

Week commencing 11 October 2021

Wednesday 13 October

✓ 06:45-07:30* Sunrise yoga

_`́́, 08:00−10:00

Training the oncologist of the future: the new clinical oncology curriculum, acute oncology and the oncology common stem Chair: Dr Rachel Cooper

Panel

Dr Graeme Lumsden, former Chair, Clinical Oncology Curriculum Committee, The Royal College of Radiologists

Louise Leon-Andrews, Training Quality and Curriculum Officer, The Royal College of Radiologists

Panel will be joined by Training Programme Director's to discuss their experiences.

12:30-13:30

→ 18:00-20:30*

Presidents plenary lecture and networking and social activitiy Details to be announced.

Programme subject to change.



O RADIOLOGY

O ONCOLOGY

O CROSS FACULTY

For more information please visit: www.rcr.ac.uk/RCRLL21



#RCRLive21

Cross Faculty week

Week commencing 11 October 2021

Thursday 14 October

<u>_`</u>, 08:00−10:00

Pandemic and vaccines - a reality check Chairs: Dr Ash Chakraborty and Dr Ganesh Radhakrishna

The science behind vaccines Professor Sir Andrew Pollard, Oxford Vaccine Group COVID-19 Vaccines

Minister Nadhim Zahawi MP, Parliamentary Under Secretary of State (Minister for COVID Vaccine Deployment)

The Royal College of Radiologists: Lessons learned Dr Jeanette Dickson, President, The Royal College of

Radiologists

Panel discussion

12:30-14:00*

Pancreatic cancer reporting tool Chairs: Dr Raneem Albazaz and Dr Ganesh Radhakrishna

Chairs' Welcome and introduction to collaboration The Royal College of Radiologists and Anna Jewell, Director of Support, Research and Influencing, Pancreatic Cancer UK (PCUK)

Evolution and development John Moir

Introduction to tool for radiology

Dr Raneem Albazaz, Leeds Teaching Hospitals NHS Trust

Perspectives: surgery Dr Andrew Smith

Perspectives: pathology

Dr Alison Cairns, Leeds Teaching Hospitals NHS Trust

Perspectives: oncology

Dr Derek Grose, The Beatson West of Scotland Cancer Centre and Dr Ganesh Radhakrishna, The Christie NHS Foundation Trust, Manchester

Perspectives: research

Professor Daniel Palmer, University of Liverpool and Professor Juan Valle, The Christie NHS Foundation Trust, Manchester

Review of tool, panel discussion and next steps All faculty

18:00-20:00

Training the radiologist of the future: an introduction to the new clinical radiology and interventional radiology curricula

Chair: Dr Stephen Harden

Panel

Dr Stephen Harden, Medical Director, Education and Training, The Royal College of Radiologists

Dr Jane Phillips-Hughes, former Chair, Clinical Radiology Curriculum Committee, The Royal College of Radiologists

Dr Samantha Fossey, Curriculum Fellow, University Hospitals Sussex NHS Foundation Trust

Louise Leon-Andrews, Training Quality and Curriculum Officer, The Royal College of Radiologists

Panel will be joined by Training Programme Director's to discuss their experiences.

Friday 15 October

×^{\/}∠ 08:00-10:00

Medical educator Chair: Linda Hacking Topics include:

Appraisal skills

APCP report writing



18:00-20:00 Medical Educator

Chair: Dr Linda Hacking

- Topics include: Kaizen
- Professionalism in medical education

Programme subject to change.



O ONCOLOGY O CROSS FACULTY

For more information please visit: www.rcr.ac.uk/RCRLL21

Booking fees from £20 Book 3+ sessions and save 25% - offer ends midnight 6 September Contact conf@rcr.ac.uk 020 7406 5942

O RADIOLOGY



#RCRLive21

Radiology week

Week commencing 18 October 2021

Monday 18 October

_`__`**08:00-10:00**

Paediatric oncology Chair: Dr Rhianydd Williams

Neuro-oncology imaging Dr Fion Williams, North Bristol NHS Trust

Renal tumours in children Dr Tom Watson, Great Ormond Street Hospital for Children NHS Foundation Trust, London

Bone tumours Dr Steven James, Royal Orthopaedic Hospital NHS Foundation Trust, Birmingham

Nuclear medicine imaging in oncology Dr Katharine Orr, NHS Greater Glasgow and Clyde

Tuesday 19 October

·≻[⊥]/_ 08:00−10:00

Healthcare in times of crisis: Impact of the pandemic on the global radiology and oncology communities and future insights

Chairs: Dr Venkat Sudigali and Dr Hassan Abdelsalam Welcome and introduction

Dr Hassan Abdelsalam, Global ambassador, The Royal College of Radiologists

COVID-19 clinico-radiological mismatch: a proposal for a novel combined morphologic/volumetric computerised tomography (CT) severity score with blinded validation analysis

Professor Dr Abdelaziz Elnekidy, Faculty of medicine, Alexandria University, Egypt

COVID-19 induced vascular angiopathy: computerized tomography pulmonary angiogram (CTPA) signs in critically ill patients other than acute pulmonary embolism and high lung opacity scores Dr Ahmed Samir, Faculty of medicine, Alexandria University, Egypt

Journey through the COVID -19 waves...Indian Radiology and Imaging Association perspective Dr V Vemuri, Indian College of Radiology and Imaging ICRI

Cancer care during the COVID-19 pandemic – from one of the largest cancer care centres in India Dr Ajaikumar, Healthcare Global, Bangalore, India

Impact of B.1.617.2 Delta variant on the second wave in India and it's complications, clinical challenges and outcomes

Dr Vishal Rao and Dr Shivakumar, HCG Bangalore, India **The pandemic's impact on United States cancer care** Professor Adam C. Powell Ph.D, Payer+Provider Svndicate. Boston USA

Leadership, strategy and innovation in healthcare, in low resource setting Santosh Shevade, Indian School of Business

(Healthcare), Hyderabad, India Round-up and close

Dr Venkat Sudigali, Global ambassador, The Royal College of Radiologists



12:30-13:30

12:30-13:30

7 18:00-20:00

Duty of Candour 2021 Chair: Professor Mark Callaway

Chair: Professor Wark Callaway

It is seven years since the duty of candour was incorporated into law. In this session Professor Mark Callaway will explore the impact that this has had on radiologists and how practice is developing going forwards.

× 18:00–20:00

Blunt and penetrating traumatic injuries: when and how interventional radiology (IR) can make a difference

(a joint session with the British Society of Interventional Radiologists)

Chairs: Professor Mo Hamady and Dr Clare Bent Imaging of acute trauma patient; what does IR and

trauma team need to know? Dr Joo-Young Chun, St George's University Hospitals NHS Foundation Trust

The role of IR in blunt abdominal injuries

Dr Deborah Law, Barts Health NHS Trust, London Penetrating injuries: lessons from trans-Atlantic guidelines and experience

Dr Sid Padia, University of California, Los Angeles Paediatric trauma: how imaging and interventions

are different from adult trauma Dr John Adu, King's College Hospital NHS

Foundation Trust, London

For more information please visit: www.rcr.ac.uk/RCRLL21



#RCRLive21

Radiology week

Week commencing 18 October 2021

Wednesday 20 October

`́́ 08:00−10:00

Junior radiology forum session: Musculoskeletal (MSK) radiology pearls Chair: Dr Sian Davies

Bone tumours for the general radiologist Dr Gary Cross, Royal United Bath NHS Trust Foundation Trust

Anklosing spondylitis Dr Matt Jaring, University Hospitals Bristol NHS Foundation Trust

Foot and ankle imaging Dr James Kho, Brighton and Sussex University Hospitals NHS Trust

Soft tissue sarcomas Dr Rajesh Botchu, The Royal Orthopaedic Hospital, Birmingham

Panel session

Thursday 21 October

/_____ 08:00-10:00

DIXON/Chemical shift imaging (CSI) in musculoskeletal (MSK) imaging; physics, utility and interactive case discussions (a joint session with the British Society of Skeletal Radiologists)

DIXON physics and beyond Chris Watson, Application Specialist (MRI), Philips and TBC

How the radiographers do it Jenny Gibson, Radiographer, Royal National Orthopaedic Hospital NHS Trust, London and Rodney Santiago, Radiographer, Royal National Orthopaedic Hospital NHS Trust, London

DIXON and fat saturation Dr Surabhi Choudhary, University Hospitals Birmingham NHS Foundation Trust

DIXON at bone tumour centre Dr Asif Saifuddin, Royal National Orthopaedic Hospital NHS Trust, London

DIXON; a European experience Professor Patrick Omoumi, Lausanne University Hospital, Switzerland

Cases readout Dr Ian Pressney, Royal National Orthopaedic Hospital NHS Trust, London

Questions

12:30-13:30

18:00-20:00*

Use of radiology artificial Intelligence decision support tools in stroke, an industry collaboration Chairs: Professor Phil White and Dr Grant Mair

Session includes:

- Individual AI packages presented by company reps
- Individual AI package case examples
- Round table question and answers

12:30-13:30*

Quality Standard for Imaging: 2021 revision Chair: Katherine Jakeman

The Quality standard for imaging has been comprehensively revised and will be launched in January 2022. This talk will explain the process of revision and outline the changes.

18:00-20:00 Artificial intelligence (AI) education Chair: Dr Gerald Lip Introduction and overview Dr Gerald Lip, NHS Garmpian Educating AI - initiatives and developments from the Data Science Institute of the American College of Radiology Dr Bibb Allen, Birmingham Radiological Group, Birmingham, Alabama, USA Update from the AI curriculum in the Wales **Imaging Academy** Dr Phil Wardle, Cwm Taf Morgannwg University Health Board Al Fellowships and education in Scotland Dr Mark Hall, NHS Greater Glasgow and Clyde and Dr Abinaya Ezhil, NHS Greater Glasgow and Clyde National survey of radiologist trainees opinion on Al in education by RADIANT Dr Obaid-ul Hashmi, Norfolk and Norwich University Hospitals NHS Trust Round table discussion - Al in radiology education Dr Mark Hall, NHS Greater Glasgow and Clyde Dr Abinaya Ezhil, NHS Greater Glasgow and Clyde Dr Samantha Fossey, University Hospitals Sussex NHS Foundation Trust Dr Phil Wardle, Cwm Taf Morgannwg University Health Board Dr Stephen Harden, Medical Director, Education and Training, Clinical Radiology, The Royal College of Radiology

NHS AI Lab - supporting the workforce Dr Indra Joshi, Director of Al, NHSX

O RADIOLOGY O ONCOLOGY

O CROSS FACULTY



Programme subject to change.

For more information please visit: www.rcr.ac.uk/RCRLL21



#RCRLive21

Radiology week

12:30-13:30

Week commencing 18 October 2021 Friday 22 October

->	06:45-07:30*
1	Sunrise yoga

ンベニ 08:00-11:00

Artificial intelligence (AI) for radiology and oncology - warts and all Chairs: Dr Alexandra Taylor, Dr Delia Pudney and Dr Rizwan Malik

Breast screening in Scotland Dr Gerald Lip, Clinical Director North East Scotland **Breast Screening Programme**

Al for brain haemorrhage Kevin Terrins, Director of Business Development at Medica Teleradiology Company

Frimley Health deploying and evaluating AI Dr Amrita Kumar, Al Clinical Lead for Frimley Health NHS Foundation Trust

Deploying in NHS vs elsewhere: compare and contrast experiences Mr Rohit Ghosh, Founding Member, Qure.Al

Break Using AI for auto-contouring Dr Caroline Brammer, Clatterbridge Cancer Centre

NHS Foundation Trust Al in multi-disciplinary teams (MDT): beyond the pixel data

Mr Jeroen van Duffelen, Co-Founder and Chief Executive Officer, Aidence

Real-time information technology towards activation (RIITA) Professor Peter Barrett-Lee, Velindre NHS Trust Panel discussion

Fees

- Reserve your place today with our early bird registration. Book before midnight Monday 6 September and receive a 25% discount off your full ticket price when booking 3 or more sessions
- Most indvidual sessions cost £20
- The clinical oncology central nervous systems (CNS) and pelvis sessions are made up of two sessions, therfore registration for both elements costs £25. You will automatically be registered for both sessions when booking one part. (identifies by ** in the schedule above)
- You can register to attend all the sessions in each week for a discounted price of £150. Please ensure you add all sessions listed in that week to your basket
- There are a number of free sessions which are (identifies by * in the schedule above)



18:00-20:00

Junior radiology forum session: Why is cardiac radiology important for the general radiologist Chair: Dr Stephen Harden

To include Couch Kerley lecture.

Welcome and introduction

Dr Stephen Harden, Medical Director, Education and Training, The Royal College of Radiologists

Cardio-oncology

Dr Jonathan Rodrigues, Royal United Bath NHS Trust Cardiac physiology

Dr Mark Hamilton, University Hospitals Bristol NHS Foundation Trust

Cardiac MRI

Dr Stephen Harden, Medical Director, Education and Training, The Royal College of Radiologists