

Technical Innovations, Research and Clinical Trials Conference

20th June 2023, 9:15-16:30,

Ramside Hall Hotel

Programme

09:00-09:40	<i>Registration with tea/coffee, breakfast rolls and pastries (include stands and sponsors)</i>
09:40-09:50	Welcome and introductions from the Northern Radiotherapy Network
09:50-10:50	1. ESTRO CONFERENCE HIGHLIGHTS
09:50-10:00	Radiographer highlights – Rachel Brooks-Pearson and Alex Beardmore
10:00-10:10	Physics highlights – JJ Wyatt
10:10-10:50	Oncologist highlights – Dr Helen Turnbull (Lung), Dr Jayshree Veeratterapillay (Gynae), Dr Xue Jiang (Urology), Dr Ahmed Hashmi (Lower GI), Dr Mohammad AlHilali (NET), Dr Kathryn Wright (Breast).
10:50-11:35	2. TECHNICAL AND THERAPEUTIC INNOVATIONS
10:50-11:05	SGRT at The James Cook University Hospital – Catherine Wilson
11:05-11:20	Why we need an MR Linac - Dr Clive Peedell, Kevin Burke and Claire Huntley
11:20-11:35	The future of Radionuclide treatments and network readiness - Dr Darren Leaning/Orla Hayman
11:35-12:15	3. MINI ORAL PRESENTATIONS
2 minutes each	<ul style="list-style-type: none"> Presentation titles below (voting on SLIDO for best posters)
12:15-13:00	<i>Lunch – buffet (include poster, stands and sponsors)</i>
13:00-14:00	4. NETWORK TREATMENT DELIVERY MODELS FOR SABR/SRS
13:00-13:15	SRS for Brain mets and benign tumours, Dr Joanne Lewis, (remote session)
13:15-13:30	SABR for HCC and LANPC, Dr David Wilson
13:30-13:45	SABR reirradiation for locoregional recurrence in the pelvis – Dr Ahmed Hashmi and Nick West
13:45-14:00	Renal SABR – Dr Rachel Pearson

14:00-14:45	5. ARTIFICIAL INTELLIGENCE AND BIG DATA
14:00-14:30	Using SNOMED-CT to improve outcomes – Dr Karen Horridge
14:30-14:45	MVision and ProKnow: adding value to real world data – Dr Sam Warren
14:45-15:00	Tea/coffee/refreshments/cakes
15:00-16:20	6. RESEARCH AND CLINICAL TRIALS
15:00-15:05	Overview of RT academic activity and research strategy – Dr Rachel Pearson
	ORAL PRESENTATIONS
15:05-15:15	<i>Partial breast radiotherapy at The James Cook University Hospital: implementation and audit – Helen Curtis</i>
15:15-15:25	<i>Prostate MR-only radiotherapy: are fiducial markers necessary? – Rachel Brooks-Pearson</i>
15:25-15:35	<i>Multi-centre evaluation of variation in cumulative dose assessment in re-irradiation scenarios – Nick West</i>
15:35-15:45	<i>PET-MR-only radiotherapy for pelvic cancers – Jonathan J Wyatt</i>
15:45-16:00	Network strategy to increase recruitment to clinical trials – Dr Rachel Pearson and Penny Williams, LCRN
16:00-16:20	Radiotherapy trial activity highlights – Keith Harland, Nick Willis, Dr Rachel Pearson
16:20	Closing session
16:30	Event close

Many thanks to the following companies who have sponsored our conference. Sponsors have had no input into the agenda or speaker selection for this event.



Mini oral presentation titles	Presenting
1. Commissioning integral quality monitor for per-fraction monitoring of radiotherapy treatments.	Dan Johnson
2. Treatment of prostate patients with an empty bladder protocol at JCUH.	Jim Daniel
3. Fast tracking IGRT proficiency for SABR delivery.	Karen Pilling
4. Radiographer training in advance of online-adaptive using web-based contouring tools.	Alex Beardmore
5. Does applying a 6DoF (Degree of Freedom) match improve accuracy in lung radiotherapy?	Rachel Brooks-Pearson (on behalf of Sally Roberts)
6. Can offline MRI-functional imaging be integrated into the radiotherapy clinical workflow?	Serena West
7. Simultaneous PET and DW-MR for outcome prediction of neoadjuvant chemoradiotherapy for rectal cancer.	Jonathan J Wyatt
8. A retrospective review of vaginal cancer outcomes at a tertiary referral centre in the UK.	Dr Jayshree Veeratterapillay
9. Is it feasible to implement VMAT planning for MSCC?	Dr Matt Anderson
10. A North East Stage III, non-small cell lung cancer (NSCLC) multidisciplinary meeting (MDT) for shared decision making to optimise patient management: a prospective pilot study.	Rebecca Pickles
11. Rapid delivery of prostate and nodes (PACE) treatments at JCUH.	Jim Daniel
12. In-vitro effects of relevant clinical radiotherapy regimes on cardiac implanted electrical devices.	Nick West (on behalf of Steve Manley)
13. Brain directed therapy and systemic treatment in metastatic renal cell carcinoma.	Dr Maha Zarroug
14. Introduction of AI segmentation to drive improvements in breast cancer radiotherapy.	Ashleigh Wowk
15. Occurrence of osteoradionecrosis post head and neck radiotherapy: does a safe time interval exist for dental extraction?	Dr Rahul Patil
16. Lu-177 Dotatate for NETs - Outcomes In the North East and North Cumbria	Dr Mohammed AlHilali
17. Radical chemoradiotherapy to the bladder : review of practice at NCCC	Dr Anthony Waton
18. Evaluating the impact of hypofractionated radiotherapy in prostate cancer on carbon emissions, cost, and patient quality of life.	Joshua Cartwright
19. BIGART at the Northern Radiotherapy Network; tomorrow or today? A case study for GBM tumours.	Spyros Manolopoulos
20. A case study of an incidental finding of PJP on CBCT imaging in a stage III lung patient undergoing radical radiotherapy: A Therapeutic Radiographer's experience.	Alexander Stamp (Remote)

Digital poster presentation titles	Submitted by
1. Is the diaphragm a useful surrogate structure when matching middle/lower oesophagus CBCT images?	Nathan Taylor
2. Cardiac SABR: image matching techniques for accurate treatment delivery	Rachel Brooks-Pearson
3. Retrospective data of concurrent chemoradiation (cCRT) and adjuvant immunotherapy for Stage III non-small cell lung cancer (NSCLC): A single centre experience.	Rebecca Pickles
4. Dynamic Susceptibility Contrast MRI in the evaluation of brain metastases: current practice review and rationale for study of baseline perfusion imaging prior to stereotactic radiosurgery (STARBEAM-X)	Dr Caroline Dobeson



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Other information:

SLIDO

We will be using SLIDO for voting on mini oral presentations. You can access the event by scanning the QR code or sign up at www.slido.com and enter event code: #1504468



CPD

This course provides 4 CPD points in accordance with the CPD Scheme of the Royal College of Radiologists.

You will receive a certificate of attendance to submit as part of your CPD portfolio.

Course aims:

- To share knowledge and information with network colleagues about global developments in radiotherapy
- To share knowledge, learning and expertise from service development projects network-wide
- To discuss the future vision for technical and therapeutic innovations in radiotherapy
- To raise awareness of research activity and radiotherapy clinical trials in the network

Course learning objectives:

By the end of the course participants should:

- Understand some of the technical and therapeutic advancements in radiotherapy globally
- Understand the benefits of moving to surface guided radiotherapy
- Be aware of the network models in place for the delivery of stereotactic radiotherapy for newly commissioned indications
- Understand the potential opportunities to improve treatments and outcomes for patients through artificial intelligence, clinical coding and data analysis

Please complete the post-course evaluation form so we can improve for future events. Forms are available on your table.