

Working across boundaries for excellence

BIR ANNUAL CONGRESS

4–5 November 2021
London



#BIRAC21

CPD: Up to 18 credits

BIR Annual Congress 2021

The BIR Annual Congress continues to grow. After being sold-out consecutively in 2018 and 2019, and a phenomenal registration in 2020, we are back this year with six exciting streams and seven topics that offers a comprehensive programme on the latest innovations in imaging and treatment to medical imaging professionals.

Taking place over two days, the event provides excellent opportunities to engage and interact with attendees, speakers and industry representatives in an open and relaxed format.

Schedule of events

Day 1

08:45 Registration opens

09:15 Welcome speech by the BIR President

09:30 Lecture begins

17:30 Drinks reception followed by Congress dinner

Day 2

09:00 Registration

09:30 Lecture begins

17:00 Close of event

Who should attend?

This multidisciplinary event will appeal to anyone within radiology, radiation oncology and the underlying sciences, including radiologists, physicists, radiology managers, radiographers, oncologists, clinical scientists, physicians, heads of department, decision makers, radiation protection advisers and supervisors.

Five reasons to attend

1. Enhance your knowledge
2. Hear from experts in the field
3. Network with colleagues and peers
4. ePoster and clips exhibition
5. Meet industry representatives

Working across boundaries for excellence

CPD credits

The Congress is worth up to 18 CPD credits. Earn additional credits by watching lectures on-demand.

ePosters and clips

We once again see the return of electronic posters along with the new addition of clips including audio and video but in an online format, which can be viewed anytime from a computer, laptop or mobile device.



Headline sessions

The BIR Sir Godfrey Hounsfield lecture and awards

Professor Vicky Goh
Professor of Clinical Cancer Imaging
King's College London
Thursday 4 November 14:00



The BIR/Canon Memorial lecture

Professor Clive Kay
Chief Executive
King's College Hospital NHS Foundation Trust
Friday 5 November 14:00



THE BIR ANNUAL CONGRESS 2021

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contextflow

contextflow empowers radiologists to complete their daily workload faster and with higher quality and cost-efficiency by delivering a unique and scalable AI backbone that fully integrates into clinical workflows. Its core technology includes SEARCH, a 3D image-based search engine, which provides relevant statistics, reference cases and differential diagnosis information at the point of care within seconds. It currently supports 18+ disease patterns in lung CTs, including those related to COVID-19. TRIAGE is a separate tool that allows radiologists to reorder their worklist based on the presence of specific or time-critical findings. All contextflow products are developed in close collaboration with practicing radiologists and thus integrate directly into your RIS/PACS.

contextflow is a spin-off of the Medical University of Vienna (MUW), Technical University of Vienna (TU) and European research project KHRESMOI. It was founded by a team of AI and engineering experts in July 2016. It is currently testing its software with 10+ partner hospitals and clinics throughout Europe. contextflow: See beyond a single case.

neodynamics

NeoDynamics AB (publ) is a Swedish Medical Technology Company dedicated to improving diagnostics and care to optimize the outcome of individualized treatment in cancer. Our innovative pulse biopsy system, NeoNavia® is designed to offer clinicians and patients accurate lesion targeting and high tissue yield for correct diagnosis.

We focus on minimally invasive cancer diagnostic methods.

Our innovative precision biopsy system, NeoNavia® is built on a patented pulse technology, based on research at the Karolinska Institutet in Sweden. The technology enables a more precise way to target lesions and secure high-quality tissue samples in both breast and axilla with flexibility for all types of Ultrasound Guided (USG) biopsies. The NeoNavia system ensures optimal needle control, with maximum tissue yield for any lesion type, size or location.



Aidence rallies the brightest minds in deep learning and radiology to create Veye Chest, an AI-based assistant for lung nodules on chest CT. Cutting through the hype around AI, we bring applications that add value for radiologists. Veye Chest is currently running in Lung Health Checks pilot sites and in routine practice across the UK.

Thursday 4 November

STREAM A: MUSCULOSKELETAL (AM) CHALLENGING CASES (PM)

08:45 **Registration**

09:15 **President's welcome and introduction**

Dr Sridhar Redla, Consultant Radiologist, Princess Alexandra Hospital NHS Trust

Chair: Drs Marcela de la Hoz Polo and Kannan Rajesparan

09:30 **Don't be traumatised by these injuries – commonly missed musculoskeletal injuries in trauma**

Dr Ramy Mansour, Consultant Radiologist, Oxford University Hospitals NHS Trust

10:00 **The soft approach to trauma – imaging soft tissues in trauma**

Dr Dimi Amiras, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust

10:30 **Little people, many injuries – common paediatric musculoskeletal injuries**

Dr Rob Hawke, Manchester

11:00 **Break**

11:30 **Watch your back! – an approach to spinal imaging in trauma**

Speaker to be confirmed

12:00 **Dual energy for high energy – dual energy CT in trauma**

Dr Krystal Archer-Arroyo, Assistant Professor, Emory University School of Medicine

12:30 **Acute non-traumatic musculoskeletal presentations to the emergency department**

Dr Emma Rowbotham, Consultant Radiologist, Leeds Teaching Hospitals NHS Trust

13:00 **Break**

14:00 **The Sir Godfrey Hounsfield award and lecture: 'PET-MR: Integrating the best of both modalities for cancer care'**

Professor Vicky Goh, Professor of Clinical Cancer Imaging, King's College London

15:15 **Break**

15:45 **Case 1 and Q&A**

16:00 **Case 2 and Q&A**

16:15 **Case 3 and Q&A**

16:30 **Case 4 and Q&A**

16:45 **Case 5 and Q&A**

17:00 **Case 6 and Q&A**

17:15 **Close of day**

Thursday 4 November

STREAM B: ARTIFICIAL INTELLIGENCE

08:45 **Registration**

09:15 **President's welcome and introduction**

Dr Sridhar Redla, Consultant Radiologist, Princess Alexandra Hospital NHS Trust

Chair: Dr Amrita Kumar

09:30 **Current landscape of AI in healthcare across NHS – who are all the stakeholders involved**

Eleonara Harwich, Head of Collaborations, AI Lab – NHSX

10:00 **Workflow integration of AI within an NHS Trust**

Speaker to be confirmed

10:30 **Update on post-Brexit regulation for healthcare specialists**

Dr Hugh Harvey, Managing Director, Hardian Health

11:00 **Break**

11:30 **Implementing AI into clinical practice – a national collaboration**

Dr Kiruba Nagaratnam, Consultant Stroke Physician and Geriatrician and Clinical Lead for Stroke Medicine, Royal Berkshire NHS Foundation Trust

12:00 **Panel discussion: Implementing AI within the NHS – challenges and learnings**

Drs Amrita Kumar, Kiruba Nagaratnam and Claire Bloomfield

13:00 **Lunch**

14:00 **The Sir Godfrey Hounsfield award and lecture: 'PET-MR: Integrating the best of both modalities for cancer care'**

Professor Vicky Goh, Professor of Clinical Cancer Imaging, King's College London

15:15 **Break**

15:45 **Path to procurement and evaluation of AI in the NHS**

Mr Dominic Cushnan, Head of Imaging, NHSX

16:20 **Developing commercial value framework for the NHS**

Dr Claire Bloomfield, Chief Executive Officer, University of Oxford

17:00 **Close of day**

STREAM C: THERAPEUTIC ONCOLOGY

08:45	Registration
09:15	President's welcome and introduction Dr Sridhar Redla, Consultant Radiologist, Princess Alexandra Hospital NHS Trust

Chair: Drs Nicola Blacker and Gopi Gnanasegaran

09:30	Practice of radical thoracic re-irradiation for non-small cell lung cancer Dr Rob Rulach, Clinical Research Fellow, The Beatson West of Scotland Cancer Centre and University of Glasgow
09:50	Radiomics and AI in nuclear medicine Professor Gary Cook, Professor of PET Imaging, King's College London
10:10	Motion control in liver and pancreas radiotherapy Dr Luis Aznar-García, Consultant Clinical Oncologist, Nottingham University Hospitals NHS Foundation Trust
10:30	Abdominal compression or gating in liver SBRT – a radiographers perspective Ms Lynsey Barwell, Therapeutic Radiographer, Nottingham University Hospitals NHS Foundation Trust

11:00 Break

11:30	The impact of radiotherapy late effects on patients Ms Lisa Durrant Macmillan, Consultant Radiographer Radiation Late Effects Service, Beacon Radiotherapy Centre, Taunton
11:50	PET-CT in radiotherapy planning – current evidence and trends Speaker to be confirmed
12:10	Adaptive radiotherapy – implementing plan of the day Ms Amanda Webster, Senior Therapy Radiographer, National Radiotherapy Trials Quality Assurance (RTTQA) Group, NHS
12:35	Adaptive planning using CBCT – introduction and workflow physics and radiographers Speaker to be confirmed

13:00 Lunch

14:00	The Sir Godfrey Hounsfield award and lecture: 'PET-MR: Integrating the best of both modalities for cancer care' Professor Vicky Goh, Professor of Clinical Cancer Imaging, King's College London
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15:15 Break

15:45	Comparative breast planning study – forward planned IMRT – f-IMRT 'vs' VMAT breast solutions Speaker to be confirmed
16:05	Molecular imaging in assessing treatment response – current role and challenges Dr Teresa Szyszko, Consultant in Nuclear Medicine, Royal Free London NHS Foundation Trust
16:25	Immunotherapies and radiotherapy – the abscopal effect Dr Toby Talbot, Consultant Clinical Oncologist, Royal Cornwall Hospitals NHS Trust
16:45	The introduction and clinical experiences of tattooless radiotherapy treatments Mr Deirdre Dobson, Therapeutic Radiographer, Guy's and St Thomas' Hospital Trust

17:30 Close of day

Friday 5 November

STREAM A: LEADERSHIP AND WELLBEING (AM)

RADIATION ISSUES FOR FRONTLINE STAFF (PM)

09:00 Registration

Session: Leadership and wellbeing

Chair: Dr Teik Choon See

09:30 Maximising your impact in online communication

Ms Cath Baxter, Voice Coach, Voice for Business

10:00 Implementing a successful imaging network

Mr Andy Howlett, Director of Diagnostics, Medicines and Pharmacy Improvement, NHS England and Improvement

10:30 Support and wellbeing in radiology

Dr Susannah Hunt, Professional Wellbeing and Clinician Support, Cambridge University Hospitals NHS Foundation Trust

11:00 Maintaining wellbeing and avoiding burnout

Speaker to be confirmed

11:30 Break

Session: Using team working and networks for optimisation

Chair: Mr Andy Rogers

12:00 CT protocol optimisation across multiple organisations; the Scottish Experience

Mark Worrall, Ninewells Hospital, Dundee

12:25 Utilising real-time dashboard data for the management of an imaging service

Nick Wong, Nottingham

12:50 Team working for successful procurement – specification and evaluation

Mr Andy Rogers, Lead Interventional Medical Physics Expert, Nottingham University Hospitals NHS Trust

13:15 Panel discussion

Mark Worrall, Nick Wong and Andy Rogers

13:30 Lunch

14:00 The Canon Mayneord lecture: Title to be confirmed

Professor Clive Kay, Chief Executive, King's College Hospitals NHS Foundation Trust

15:00 Break

Session: Innovations in equipment performance evaluation

Chair: Mr Andy Rogers

15:30 QC Lite – The Netherlands' approach

Arjen van Hulzen

16:00 Innovative local quality control for radiographers – easy does it!

Jon Cole, Principal Physicist, Royal Free London NHS Foundation Trust

16:30 Image quality assessment – the computer way is 'Human'

Nick Marshall, Medical Physicist, UZ Leuven, Belgium

Friday 5 November

STREAM B: INCIDENTALOMAS AND INCIDENTAL FINDINGS (AM) CHALLENGING CASES (PM)

09:00 Registration

SessionL Incidentalomas and incidental findings

Chair: Professor Stuart Taylor

09:30 Cystic pancreatic Lesions

Dr Raneem Albazaz, Consultant Radiologist, Leeds Teaching Hospitals NHS Trust

10:00 Imaging of the adrenals

Dr Dylan Lewis, Consultant Radiologist, King's College London

10:30 Adnexal cysts and masses

Dr Sue Freeman, Consultant Radiologist, Addenbrooke's Hospital

11:00 Break

11:30 Incidental bone lesions

Dr Ian Pressney, Consultant Radiologist, Royal National Orthopaedic Hospital

12:00 Thyroid nodules

Dr Simon Morley, Consultant Radiologist, University College London Hospitals NHS Foundation Trust

12:30 Unexpected intracranial findings (vestibular schwannoma, pineal cyst, pituitary, aneurysms)

Professor Harpreet Hyare, Honorary Clinical Associate Professor in Neuroradiology, University College London

13:00 Lunch

14:00 The Canon Mayneord lecture: Title to be confirmed

Professor Clive Kay, Chief Executive, King's College Hospitals NHS Foundation Trust

15:00 Break

Session: Challenging cases

Chair: Professor Stuart Taylor and Dr Andrew Nanapragasam

15:30 Challenging cases

Dr Hameed Rafiee, Consultant Radiologist, Norfolk and Norwich University Hospitals NHS Foundation Trust

16:15 Challenging cases

Dr Mary Roddie, Consultant Radiologist, Imperial College Healthcare NHS Trust

17:00 Close of day

Friday 5 November

STREAM C: LEARNING FROM EXPERTS AND ERRORS (AM) CHALLENGING CASES (PM)

09:00 **Registration**

Session: Radiological discrepancy

Chair: Dr Simon Jackson

09:30 **Why errors occur in radiology**

Dr Giles Maskell, Consultant Radiologist, Royal Cornwall Hospitals NHS Trust

09:50 **Celebrating excellence: An alternative approach to errors in radiology**

Dr Jonathan Smith, Consultant Radiologist, Leeds Teaching Hospitals NHS Trust

10:10 **Panel Q&A**

Drs Giles Maskell and Jonathan Smith

11:00 **Break**

11:30 **Beyond the scan: What else matters in radiology**

Dr Paul McCoubrie, Consultant Radiologist and Head of School (Severn), North Bristol NHS Trust

11:50 **Medico-legal update for radiologists**

Dr Shawn Halpin, Consultant Neuroradiologist, University Hospital of Wales

12:10 **Panel Q&A**

Drs Paul MacCoubrie and Shawn Halpin

13:00 **Lunch**

14:00 **The Canon Mayneord lecture: Title to be confirmed**

Professor Clive Kay, Chief Executive, King's College Hospitals NHS Foundation Trust

15:00 **Break**

Session: Challenging cases

Chair: Professor Stuart Taylor and Dr Andrew Nanapragasam

15:30 **Challenging cases**

Dr Hameed Rafiee, Consultant Radiologist, Norfolk and Norwich University Hospitals NHS Foundation Trust

16:15 **Challenging cases**

Dr Mary Roddie, Consultant Radiologist, Imperial College Healthcare NHS Trust

17:00 **Close of day**

HEAR FROM PAST DELEGATES

Reviews from BIR Annual Congress 2019–2020

“This was yet again an excellent congress. With three so good streams it is difficult to choose between them.”

“The variety of topics, it educated me on topics I never thought to learn about.”

“Good range of topics, well delivered, reinforced my knowledge, even where one already knew the facts it’s reassuring to have this confirmed and reinforced, also picked up some useful take-home points. Very pleasant and informative day.”

“Pleasant atmosphere; good learning environment.”

“Learning something about a topic important to my work.”

VENUE

TBC

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