



BIR ANNUAL CONGRESS 2021

4–5 November 2021
Virtual event



#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 virtual 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

09:15 Welcome speech by the BIR President

09:30 Lectures begin

17:30 Close of day

Day 2

09:30 Lectures begin

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. Watch any talks you miss on-demand available online after the event.

ePosters and clips

We once again see the return of electronic posters and clips 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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Advanced Accelerator Applications, S.A. (AAA), a Novartis company, is an innovative medicines company developing targeted radioligand therapies and precision imaging radioligands for oncology. We are committed to transforming patients' lives by leading innovation in nuclear medicine. AAA currently has over 1,000 employees working across 31 sites in 12 countries (Canada, France, Germany, Israel, Italy, the Netherlands, Poland, Portugal, Spain, Switzerland, the UK and the US). The company also has global manufacturing capabilities with 19 facilities in eight countries, and six research & development sites. For more information, please visit: <https://www.adacap.com/>



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At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey towards expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalising healthcare. An estimated 5 million patients globally everyday benefit from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics and molecular medicine, as well as digital health and enterprise services. We are a leading medical technology company with over 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare. For more information and latest product line, please



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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.



BD is a global medical technology company that is advancing the world of health by improving medical discovery, diagnostics and the delivery of care. BD leads in patient and health care worker safety and the technologies that enable medical research and clinical laboratories. The company provides innovative solutions that help advance medical research and genomics, enhance the diagnosis of infectious disease and cancer, improve medication management, promote infection prevention, equip surgical and interventional procedures and support the management of diabetes.

The BD Interventional Specialties range is designed to help clinicians deliver better health care. Our primary focus is on improving the patient care experience through reduced procedure times, length and frequency of hospital stays and helping patients in the self-management of their conditions. High standards of clinical training and education are at the heart of what we do and help to ensure that clinicians and patients get the very best from our products.



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.



Resonance Health is an Australian healthcare company specialising in the development and delivery of non-invasive medical imaging software and services. Our products are used by clinicians in the diagnosis and management of human diseases and by pharmaceutical companies in their clinical trials. Resonance Health has gained endorsement by leading physicians worldwide for consistently providing high quality quantitative measurements essential in the management of particular diseases.

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

09:15	President's welcome and introduction Dr Sridhar Redla, Consultant Radiologist, Princess Alexandra Hospital NHS Trust
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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
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10:00	The soft approach to trauma – imaging soft tissues in trauma Dr Dimi Amiras, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust
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10:30	Little people, many injuries – common paediatric musculoskeletal injuries Dr Rob Hawke, Manchester
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11:00 Break

11:30	Watch your back! – an approach to spinal imaging in trauma Dr Elizabeth Dick, Consultant Radiologist and Honorary Senior Lecturer, Imperial College NHS Healthcare Trust
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12:00	Dual energy for high energy – dual energy CT in trauma Dr Krystal Archer-Arroyo, Assistant Professor, Emory University School of Medicine
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12:30	Acute non-traumatic musculoskeletal presentations to the emergency department Dr Emma Rowbotham, Consultant Radiologist, Leeds Teaching Hospitals NHS Trust
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13:00 Lunch

13:15	Lunchtime symposium: 'BD – Your partner in interventional radiology' BD
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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	Case 1 and Q&A
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16:00	Case 2 and Q&A
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16:15	Case 3 and Q&A
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16:30	Case 4 and Q&A
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16:45	Case 5 and Q&A
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17:00	Case 6 and Q&A
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17:15 Close of day

STREAM B: ARTIFICIAL INTELLIGENCE

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**

Eleonora Harwich, Head of Collaborations, AI Lab – NHSX

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

Dr Rizwan Malik, Clinical Lead for Radiology, Royal Bolton Hospital

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

Dr Hugh Harvey, Managing Director, Hardian Health

11:00 **Title to be confirmed**

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11:15 **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**

13:15 **Lunchtime symposium: 'BD – Your partner in interventional radiology'**

BD



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

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

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

Chair: Drs Nicola Blacker, Gopi Gnanasegaran and Ms Amanda Webster

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

12:00 **Adaptive radiotherapy – implementing plan of the day**

Ms Amanda Webster, Senior Therapy Radiographer, National Radiotherapy Trials Quality Assurance (RTTQA) Group, NHS

12:30 **Adaptive planning using CBCT – introduction and workflow physics and radiographers**

Mrs Rachel Hollingdale, Radiotherapy Physicist, Royal Surrey County Hospital NHS Foundation Trust; and Selina Reinlo, Royal Surrey County Hospital NHS Foundation Trust

13:00 **Lunch**

13:15 **Lunchtime symposium: 'BD – Your partner in interventional radiology'**

BD



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 **Comparative breast planning study – forward planned IMRT – f-IMRT 'vs' VMAT breast solutions**

Mr Simon Coughlan, Principal Dosimetrist, Royal Devon and Exeter NHS Foundation Trust

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**

Ms Deirdre Dobson, Therapeutic Radiographer, Guy's and St Thomas' Hospital NHS Trust

17:15 **Close of day**

STREAM A: MANAGEMENT AND WELLBEING (AM)**RADIATION ISSUES FOR THE FRONTLINE STAFF (PM)****Session: Management and wellbeing****Chair: Dr Teik Choon See**

09:30	Implementing a successful imaging network Mr Andy Howlett, Director of Diagnostics, Medicines and Pharmacy Improvement, NHS England and Improvement
10:00	Value-based imaging Dr Adrian Brady, Consultant Radiologist, Mercy University Hospital and University College, Cork, Ireland; and First Vice President, European Society of Radiology
10:30	Maximising your impact in online communication Ms Cath Baxter, Voice Coach, Voice for Business
11:00	Reflections on resilience – the 'what, when and how?' of staying well Dr Susannah Hunt, Professional Wellbeing and Clinician Support, Cambridge University Hospitals NHS Foundation Trust

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	Team working for successful procurement – specification and evaluation Mr Andy Rogers, Lead Interventional Medical Physics Expert, Nottingham University Hospitals NHS Trust
12:50	Panel discussion Mark Worrall and Andy Rogers

13:10 Lunch

14:00 The Canon Mayneord lecture: 'Integrated Care – reasons to be cheerful and reasons to be watchful'
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! Jonathan 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

17:00 Close of day

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

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: 'Integrated Care – reasons to be cheerful and reasons to be watchful' Professor Clive Kay, Chief Executive, King's College Hospitals NHS Foundation Trust
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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

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

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	"Looked but failed to see" errors in radiology and elsewhere Professor Jeremy Wolfe, Professor of Ophthalmology and Professor of Radiology, Harvard Medical School; and Director, Visual Attention Lab
11:50	Medico-legal update for radiologists Dr Shawn Halpin, Consultant Neuroradiologist, University Hospital of Wales
12:10	Panel Q&A Professor Jeremy Wolfe and Dr Shawn Halpin

13:00 Lunch

14:00	The Canon Mayneord lecture: 'Integrated Care – reasons to be cheerful and reasons to be watchful' Professor Clive Kay, Chief Executive, King's College Hospitals NHS Foundation Trust
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15:00 Break

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16:15	Challenging cases Dr Mary Roddie, Consultant Radiologist, Imperial College Healthcare NHS Trust

17:00 Close of day

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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.”

Working Across Boundaries For Excellence



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