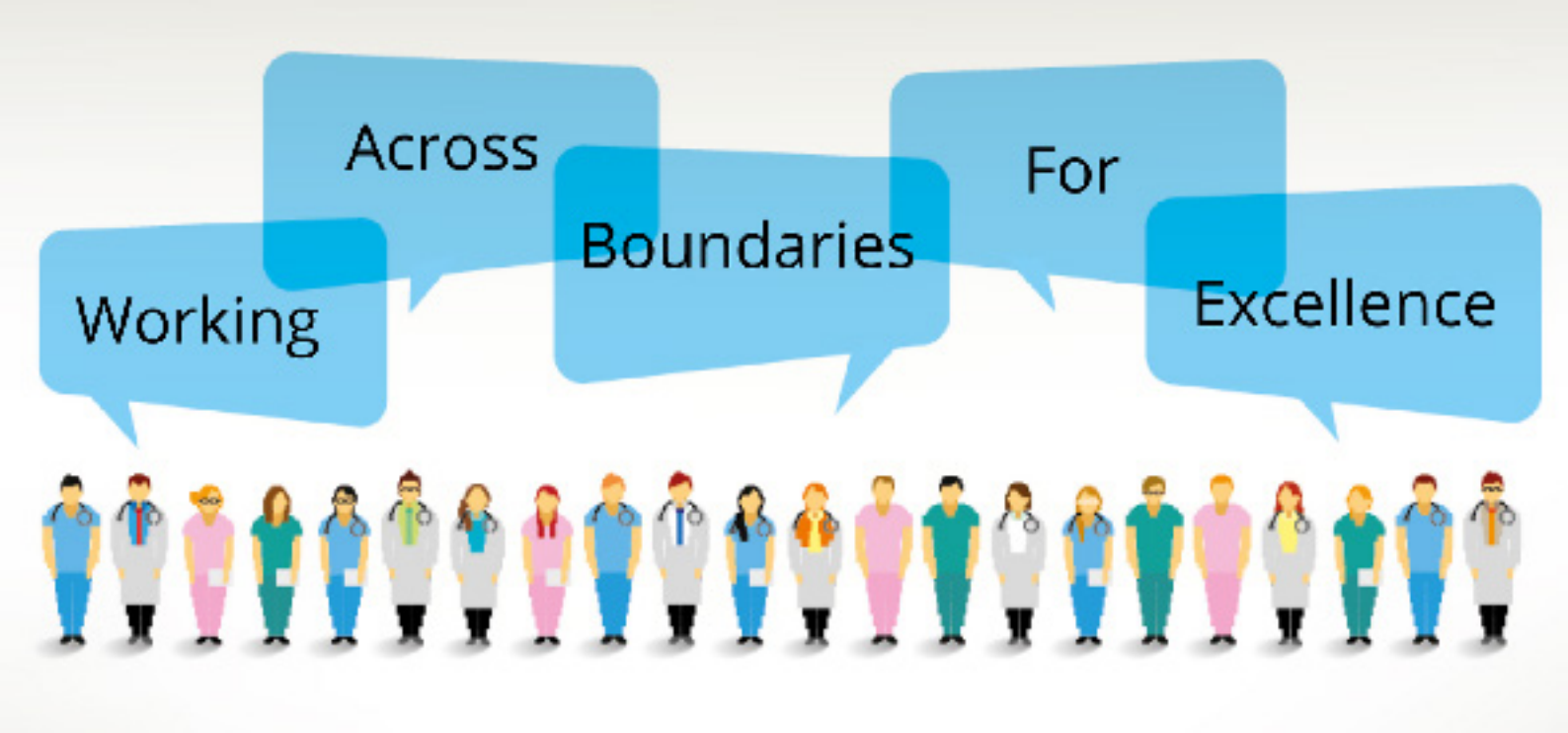
BIR
The British Institute of Radiology

bir.org.uk



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.

ePostersand 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 WELCOMES ITS INDUSTRY PARTNERS

Platinum Sponsors

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/

Bayer's Radiology business is well placed to be the partner of choice in helping NHS trusts to address the many challenges faced today including the increasing need for governance to demonstrate best practice and improving patient care within increasing financial constraints. With market-leading contrast media and power injector systems, Bayer is able to offer innovative patient care and with the addition of its informatics platform, it can support radiology departments in driving protocol standardisation and easily accessible audit data that enable departments to meet further challenges faced around contrast and radiation dose management. 0118 2063999 www.radiology.bayer.co.uk

GE Healthcare is a leading provider of medical imaging, monitoring, and life science technologies. GE Healthcare enables precision health in diagnostics, therapeutics and monitoring through intelligent devices, data analytics, applications and services to help providers, researchers and life sciences companies in their mission to improve outcomes for patients around the world.

SIEMENS Healthineers

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

PHILIPS

Enabling better health and better care at lower cost Philips is a leading health technology company focused on improving people`s lives across the health continuum - from healthy living and prevention, to diagnosis, treatment and home care. Applying advanced technologies and deep clinical and consumer insights, Philips delivers integrated solutions that improve people`s health and enable better outcomes. Partnering with its customers, Philips seeks to transform how healthcare is delivered and experienced. The company is a leader in diagnostic imaging, image-guided therapy, patient monitoring and health informatics, as well as in consumer health and home care. www.philips.co.uk/healthcare

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aidence
human sense in artificial intelligence

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.

annalise.ai

annalise.ai fuses the highest quality imaging data with the very best in computer science to produce comprehensive AI clinical decision support solutions. The company's first solution is Annalise CXR, the world's most comprehensive AI clinical decision support chest X-ray solution on the market.

Assisting clinicians to interpret radiological imaging studies, Annalise CXR detects 124 findings, empowering clinicians to make accurate, faster decisions.

Our patient-first approach is proudly clinician-led and comes from a deep understanding of the challenges faced in medical imaging. AI provides clinicians with a second set of eyes, allowing them to detect with confidence and drive better health outcomes for all patients.

https://annalise.ai/

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.

BD Interventional – Peripheral Intervention focuses on being at the forefront of developing innovative medical devices that solve the challenges of healthcare professionals and improving the quality of patients' lives. We are committed to pursuing technological innovations that offer superior clinical benefits while helping to reduce overall health care costs.

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.

TeraRecon is a leader in advanced visualization and artificial intelligence solutions. Our flagship product, Intuition, is the market share leader for radiology and cardiology advanced visualization. Our AI division was awarded the best new radiology vendor for 2018 as well as nominated for best new software in 2019. Further, we were recently named the 2020 & 2021 KLAS Category Leader for Advanced Visualization. We are committed to redefining advanced visualization by leveraging machine learning and improving radiology workflows through personalized automation that increases efficiency.

Thursday 4 November

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
	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 Dimitri Amiras, Consultant Musculoskeletal Radiologist, Imperial College Healthcare NHS Trust
10:30	**Little people, many injuries – common paediatric musculoskeletal injuries** Dr Rob Hawkes, Consultant Paediatric Radiologist, Royal Manchester Children's Hospital
11:00	**Break**
11:30	**Watch your back! – an approach to spinal imaging in trauma** Professor Elizabeth Dick, Consultant Radiologist and Honorary Senior Lecturer, Imperial College NHS Healthcare Trust
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	**Lunch**
13:15	**Lunchtime symposium: 'BD – Your partner in interventional radiology'** BD
13:45	**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	**Case 1 and Q&A with Dr Ramy Mansour**
16:00	**Case 2 and Q&A with Dr Dimitri Amiras**
16:15	**Case 3 and Q&A with Dr Rob Hawkes**
16:30	**Case 4 and Q&A with Professor Elizabeth Dick**
16:45	**Case 5 and Q&A with Dr Krystal Archer-Arroyo**
17:00	**Case 6 and Q&A with Dr Emma Rowbothan**
17:15	**Close of day**

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Top 10 Considerations for Selecting an Advanced Visualization Provider

If there's an advanced visualization project on your horizon, there are some must-haves and non-negotiables you should put on your checklist. Selecting your viewing partner according to how they rank on the following items will ensure a great fit for your organization. Consider how you might achieve more by consolidating AV and AI into a single, powerful, subscription-based platform.

- ☐ **Server-based solutions**
  Is the solution a stand-alone workstation or is it server-based? If it is server-based, is it a true thin client or web client that allows you to access your data from anywhere with minimum hardware footprint?

- ☐ **Enterprise solutions**
  Does the solution meet the visualization needs of more than one department? Of many? Could you eliminate redundant, departmental viewers and replace them with this one potential solution?

- ☐ **AI-Driven Workflows**
  Does the solution offer AI-driven pre-processing and workflow automation? Is AI an included feature and not sold separately?

- ☐ **Ease of Use**
  Is the user interface intuitive across various specialties and viewing devices - desktop / laptop / mobile / etc.?

- ☐ **Workflow**
  Does the solution offer sophisticated workflow for physicians or technologists by preparing scenes and viewing protocols for further review?

- ☐ **Multi-specialty Toolkit**
  Is the toolset expansive enough to meet the needs of multiple specialties across the organization?

- ☐ **Personalization / Customization**
  Do physicians have the ability to set up reusable user-specific or user-group-specific views, workflows, and presentation states?

- ☐ **Scalability**
  Can the solution be rolled out department-by-department? Can it accommodate a few very advanced users in a few departments, then scale to thousands of various user types enterprise-wide? Is the solution specific to a brand of scanner or can it work with any vendor?

- ☐ **PACS and VNA integration**
  Does the vendor have integrations across a variety of PACS and VNA vendors? Is the solution aligned to or owned by one particular vendor? Do they specialize in enterprise viewing or do they also offer storage or worklist components, really making them a PACS?

- ☐ **Dictation and Worklist integration**
  Is the system able to integrate with dictation and worklist systems?

- ☐ **Subscription offering**
  Does the provider offer flexible subscription-based pricing with no need for capital budget cycles or vendor-lock?

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Thursday 4 November

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	**Title to be confirmed** Mr Chad McClennan, Chief Executive Officer, Koios Medical
10:30	**Update on post-Brexit regulation for healthcare specialists** Dr Hugh Harvey, Managing Director, Hardian Health
11:00	**Title to be confirmed** Aidence
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 dicussion: 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
13:45	**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**
15:30	**From code to clinician – putting comprehensive AI into practice** Dr Catherine Jones, Thoracic Radiologist and Chest Lead, annalise.ai
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** Drs Claire Bloomfield, Deputy Director for Value of Data; and Kelly Lin, Deputy Director for Commercial Delivery, NHSX
17:00	**Close of day**

Thursday 4 November

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, Therapeutic Radiographer, University College London Hospitals NHS Foundation Trust
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
13:45	**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**
15:30	**Title to be confirmed** Philips
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**

Friday 5 November

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**

Friday 5 November

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, aneuryms)** Dr 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
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)

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
15:00	**Break**

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17:00	**Close of day**

BIR ANNUAL CONGRESS 2021

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."

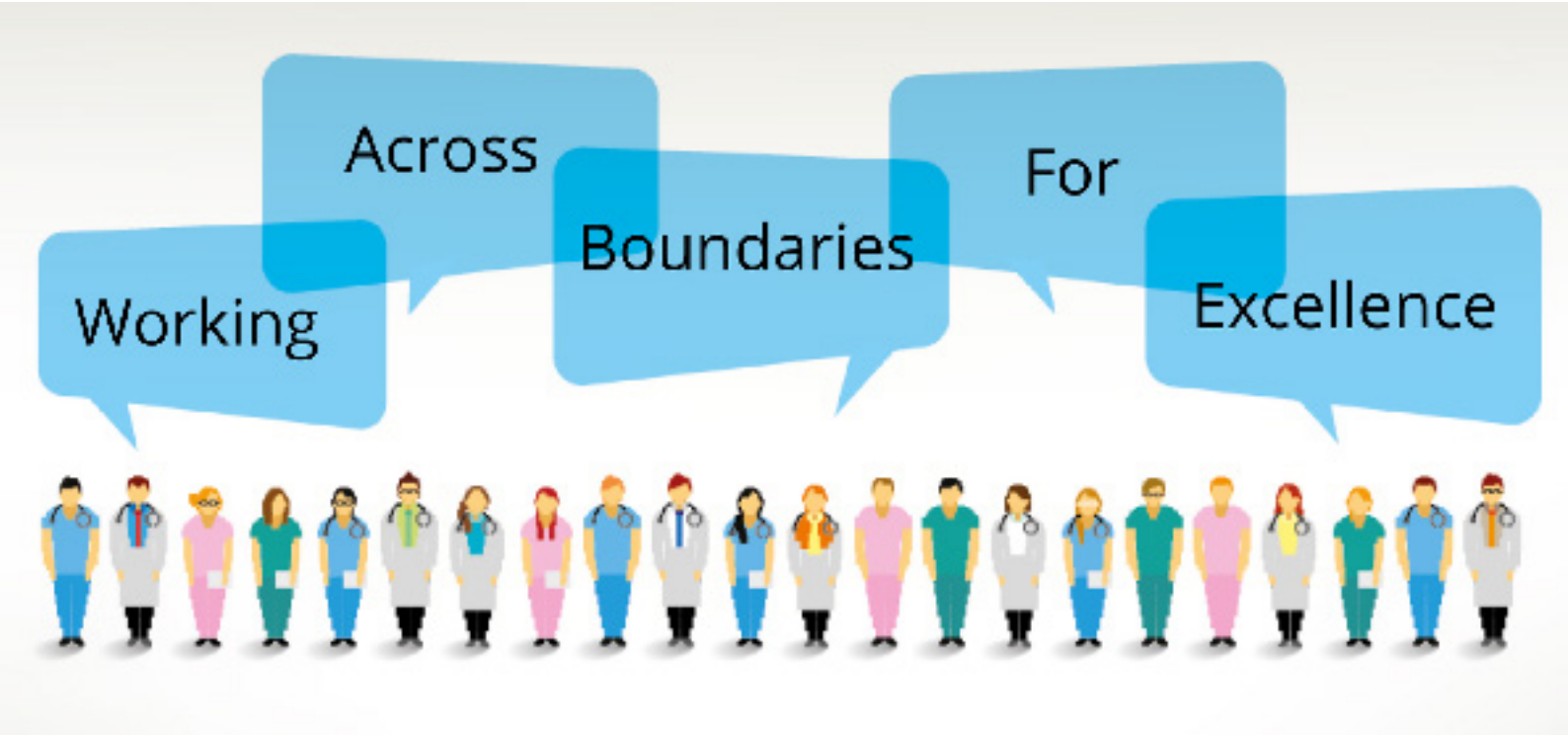
"The variety of topics, it educated me on topics I never thought to learn about."

"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."

APPROVED BY THE BIR



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