BIR
The British Institute of Radiology

A joint meeting with

RCR
The Royal College of Radiologists

17-18 MARCH 2022

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#BIRAI22

ARTIFICIAL INTELLIGENCE IN PRACTICE 2022

Venue: etc.venues St Paul's, London

CPD: 10 CREDITS (5 PER DAY)

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Welcome back to the BIR AI annual conference 2022. We look to build on the success of the previous year's meetings by now looking at AI in practice. We will have presentations of success in real life working with radiology AI as well as the further steps and routes to adoption. Our contributors this year will share their experiences, tips and best practice in the implementation of AI.

This year's event will be held across two-days with sessions appealing to our multidisciplinary audience.

We invite all radiologists (consultants and trainees), radiographers, physicists, oncologists as well as other healthcare professionals and those with an interest in AI to join us at this exciting event.

Programme Organisers

Dr Amrita Kumar, Consultant Radiologist, Frimley Health

Dr Hugh Harvey, Managing Director, Hardian Health

Dr Gerald Lip, Clinical Director, North East of Scotland Breast Screening Programme, Consultant Radiologist, NHS Grampian

This course provides 10 CPD credits in accordance with the CPD Scheme of the Royal College of Radiologists

A special thank you to our sponsors

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ARTIFICIAL INTELLIGENCE IN PRACTICE 2022

Day 1 – Thursday 17 March 2022

09:00 **Registration**

09:25 **Welcome and introduction**

Prospective evidence – AI in Practice including Health Economics

09:30 **AI Imaging in the NHS**
Mr Dominic Cushnan, Head of AI Imaging, NHSX

10:00 **Learnings from implementing AI in Telemedicine, accuracy, and efficiency in clinical practice**
Dr Gareth J Davies, UK Medical Director and Head of Body Section Europe, TMC

10:30 **Working with AI in breast screening - Current prospective work and pathway to implementation**
Dr Fredrik Strand, Consultant Radiologist, Karolinska University Hospital, Sweden

11:00 **Break**

11:30 **Attitudes and perceptions of patients towards artificial intelligence in radiology: a cross sectional study**
Dr Angus Chun Hei Wong, Medical Student & Researcher; Dr John Woo, Medical Student & Researcher; Dr Lei Wang, Postgraduate Student & Researcher, The Chinese University of Hong Kong

11:45 **AI solutions - Philips**
Mr Stefan Wijnen, Global Sales Manager, IntelliSpace AI, Philips

12:05 **Outcomes of implementing AI for chest imaging in Portugal**
Mr Delmar Santos, CEO, Medsky Healthcare

12:25 **Lunch**

12:40 **Lunch time symposium** *sponsored by Bayer*

Using AI throughout the patient's journey: impact on workflow and societal and ethical repercussions
Dr Sotirios Bisdas, Consultant Radiologist, National Hospital for Neurology and Neurosurgery in London

Radiologists working in AI

13:25 **Implementing AI in radiology – The real-world experience**
Dr Anjum Ahmed, Chief Medical Officer, Agfa

13:45 **From screening to routine practice: Using AI for early lung cancer detection**
Dr Katharine Johnson, Consultant Thoracic Radiologist, Salisbury NHS Foundation Trust, University Hospitals Southampton NHS Trust

14:05 **GRACE Project - evaluating the potential of comprehensive AI to speed up chest diagnoses**
Dr Struan Wilkie, Consultant Radiologist, NHSG Clinical lead for Radiology IT and Dr Gray's Hospital Unit Clinical Director for Medicine and Unscheduled Care

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14:25   **Artificial Intelligence, its development and application in breast imaging**
Dr Jonathan Nash Medical Director UK&I, Kheiron Medical Technologies

14:45   **Break**

15:15   **Clinical implementation of AI: Headwinds and tailwinds**
Dr Christopher Austin, Medical Lead, International Public Sector Health, Amazon Web Services

15:40   **Evolution of AI - Imaging leading the way**
Dr Geraldine McGinty, Senior Associate Dean for Clinical Affairs, Weill Cornell Medicine

16:10   **Panel discussion**

17:05   **Close of day one**

ARTIFICIAL INTELLIGENCE IN PRACTICE 2022

Day 2 – Friday 18 March 2022

09:00	**Registration**
09:15	**Welcome and introduction**

AI Head to Toe

09:20	**AI in stroke - The real-world experience** Dr Kiruba Nagaratnam, Consultant Stroke Physician and Geriatrician, Royal Berkshire NHS Foundation Trust
09:50	**Using smart ultrasound for improving accuracy in breast cancer** Mr Chad McClennan, President & CEO, Koios Medical, Inc
10:20	**Deep learning based identification of bone scintigraphies containing metastatic bone disease foci** Ms Akshayaa Vaidyanathan, Head of Research and Development, Radiomics
10:35	**Break**
11:05	**Predicting outcomes in heart disease with AI** Professor Declan O'Regan, Professor of Imaging, Imperial College London
11:35	**AI-assisted neuroimaging for precision diagnosis of neurocognitive disorders** Dr Matt Maros, Departments of Neuroradiology and Biomedical Informatics, Medical Faculty Mannheim, Heidelberg University, Germany
11:55	**Deep learning-driven image search and speed up of thoracic CT assessment** Professor Georg Langs, Medical University of Vienna, Contextflow
12:15	**Lunch**
13:15	**AI-enhanced X-Ray image analysis in the context of acute healthcare - the GE Critical Care Suite Pneumothorax Reader study** Dr Alex Novak, Consultant in Emergency Medicine and Ambulatory Care, Oxford University Hospitals
13:35	**AI as a quality assurance tool in chest X-Ray diagnostics: Value for the radiologists and patients** Dr Naglis Ramanauskas, Chief Medical Officer, Oxipit
13:55	**Determining the value of AI in early detection of lung cancer on chest x-ray - an exciting journey!** Dr Indrajeet Das, Consultant Radiologist, University Hospitals of Leicester
14:15	**Break**

The nitty gritty technicals

14:45	**A multi-agency approach to AI regulation and access** Ms Clíodhna Ní Ghuidhir, Principal Scientific Adviser, AI Multi-Agency Advice Service NICE Scientific Advice National Institute for Health and Care Excellence

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Day 2 – Friday 18 March 2022

15:20 **The NICE evidence standards framework for evaluating AI and digital health technologies**
Dr Harriet Unsworth, Technical Advisor, NICE Office for Digital Health

15:55 **Closing remarks**

16:00 **Close of event**

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