BIG DATA IN IMAGING

Venue: Hallam Conference Centre, London

CPD: 6 CREDITS

Bayer have part funded this event

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This one day event will explore the concept of big data by explaining the five "V"s – volume, value, veracity, variety and velocity and their features.

It will define how big data is generated from each imaging modality and non-radiological images, e.g. endoscopy, ophthalmology and how such data contributes to enterprise imaging.

The event will also clarify the ethics of big data in the era of artificial intelligence and machine learning, whilst explaining the benefits of big data to consumers, particularly in the context of improving patient care and training of future healthcare professionals.

Educational aims:
- To understand the concept of big data in the context of medical imaging
- To understand how big data contributes to patient care?
- To learn how to keep big data secure

Time	Session
08:30	**Registration and refreshments**
09:00	**Welcome and introduction** Professor Sanjay Gandhi, Core Clinical Research and Innovation Lead, North Bristol NHS Trust and Head of Radiology and Diagnostic Imaging, University of Bristol
09:10	**What clinicians would like to achieve from big data and AI: Radiology and oncology perspective** Professor Sanjay Gandhi, Core Clinical Research and Innovation Lead, North Bristol NHS Trust and Head of Radiology and Diagnostic Imaging, University of Bristol
09:45	**Current status of AI and computer aided detection (CAD)** Dr Lawrence Bell, Radiology Registrar, Southmead Hospital, Bristol
10:20	**Refreshments**
10:50	**Making use of Big Data in Medical Imaging** Professor Giovanni Montana, Professor of Biostatistics and Bioinformatics, University of Warwick
11:25	**Practical AI in Radiology. Ensuring value-based application and improving outcomes – IT industry's perspective: Part 1** Dr Anjum Ahmed, Global Director IITS, Agfa HealthCare IT UK Ltd
12:00	**Using big data in radiology healthcare – IT industry's perspective: Part 2** Dr Shah Islam, Clinical Research Fellow, Imperial College London
12:35	**Lunch**

This course provides 6 CPD credits in accordance with the CPD Scheme of the Royal College of Radiologists

13:35	**Patient's perspective on the use of big data** Mr Peter Buttle, South West NHS Clinical Senate Citizens' Assembly Volunteer Member (CA) and Healthwatch Wiltshire Volunteer
14:05	**Ethics and privacy pertaining to big data** Ms Ivana Bartoletti, Head of Privacy and Data Protection, Gemserv and Co-Founder, Women Leading in AI Network
14:35	**Data security including cybersecurity – challenges and solutions** Dr Saif Abed, Cybersecurity Specialist and Founding Partner, AbedGraham Healthcare Strategies
15:05	**Refreshments**
15:35	**Impact of big data on future of radiology training** Dr Vijay Jayaram, Consultant Radiologist, The Princess Alexandra Hospital NHS Trust
16:05	**Panel discussion** Moderator: Dr Vineet Prakash, Clinical Lead for Nuclear Medicine, Royal Surrey County Hospitals NHS Foundation Trust and Training Programme Director, Surrey Radiology Panellists: All speakers
16:35	**Close of event**

Join us

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Programme Organisers

Professor Sanjay Gandhi, Core Clinical Research and Innovation Lead, North Bristol NHS Trust and Head of Radiology and Diagnostic Imaging, University of Bristol

Dr Vijay Jayaram, Consultant Radiologist, The Princess Alexandra Hospital NHS Trust

With further contrbution from the BIR Clinical Intelligence and Informatics Special Interest Group

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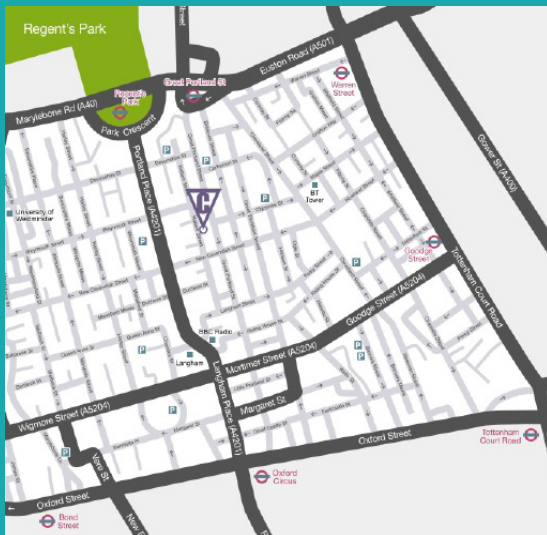44 Hallam Street
London
W1W 6JJ

BY LONDON UNDERGROUND - GREAT PORTLAND STREET:
(Circle, Hammersmith & City, Metropolitan) - On leaving the station walk south down Great Portland Street away from the Marylebone Road. At the traffic lights, cross over to the right hand side of the street and continue down the road. Turn right into Devonshire Street and immediately left into Hallam Street at The Masons Arms. Continue down this road on the left hand side. Cross Weymouth Street and continue along Hallam Street. You will then shortly arrive at Number 44 and the entrance to The Hallam.

BY TRAIN:
Marylebone, Euston and Kings Cross St Pancras Stations are all within 10 minute taxi rides or alternatively 15 minutes by Underground. Paddington Station (which has a direct link to Heathrow every 15 minutes) is 20 minutes walk or 10 minutes in a taxi.

BY BUS:
There are many buses stopping within a few minutes walk of Hallam Street including No's: 3 6 8 10 12 13 15 23 25 73 88 94 98 113 137 139 159 189 453 C2

BY CAR:
To plan your journey by car visit The AA's Route Planner and enter the postcode: W1W 6JJ. Please note that this venue is within the Congestion Charge zone. The nearest NCP car park is at 6-7 Weymouth Mews.

BY LONDON CYCLE SCHEME
The nearest "Boris Bike" docking station is Portland Place Marylebone.

APPROVED BY THE BIR