BIG DATA
Venue: TBC, London

CPD: 6 CREDITS

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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 and understand why cloud computing is

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
09:40	**Current status of AI and computer aided detection (CAD)** Speaker to be confirmed

10:10	**NHS perspective on 'big data' in improving patient care** Dr Indra Joshi, Digital health and AI Clinical Lead, NHS England
10:50	**Refreshments**
11:20	**Making use of data** Dr Ben Goldacre, Senior Clinical Research Fellow, Centre for Evidence Based Medicine, University of Oxford
11:50	**Using big data in radiology healthcare – IT industry's perspective: Part 1** Speaker to be confirmed
12:20	**Using big data in radiology healthcare – IT industry's perspective: Part 2** Speaker to be confirmed
12:50	**Lunch**

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

13:50	**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
14:20	**Ethical and legal issues using patient data** Dr Natalie Banner, Policy Advisor and Understanding Patient Data Lead, Wellcome Trust, London
14:50	**Data security including cybersecurity – challenges and solutions** Dr Saif Abed, Cybersecurity Specialist and Founding Partner, AbedGraham Healthcare Strategies
15:20	**Refreshments**
15:50	**Impact of big data on future of radiology training** Speaker to be confirmed
16:20	**Panel discussion** Mr Kevin Shah, Head of Enterprise New Business, Fujifilm
16:50	**Close of event**

Join us

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For membership information visit: www.bir.org.uk/join-us

Programme Organiser

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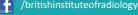
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BIR