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**ARTIFICIAL INTELLIGENCE IN 2019:  
WHERE WE ARE NOW**

Venue: etc.venues County Hall, London

CPD: 6 CREDITS



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# ARTIFICIAL INTELLIGENCE IN 2019: WHERE WE ARE NOW

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This one-day event will provide an update on where we are with regards to artificial intelligence in the field of radiology. It will provide specific insights into the current and future applications of AI including deep learning in radiology, machine learning and computer-aided diagnosis with appropriate clinical applications.

Educational aims:

- To learn the fundamentals of imaging informatics and its clinical utility
- To understand the latest technologies available for diagnosis using artificial intelligence techniques
- To explore the implications of imaging informatics on the future of radiology

**09:00**     **Registration and refreshments**

**09:30**     **Welcome and introduction**  
Dr Sridhar Redla and Dr Vijay Jayaram

**09:35**     **AI in Radiology: The main worries**  
Dr Nicola Strickland, President, Royal College of Radiologists; Consultant Radiologist, Imperial College Healthcare NHS Trust

**10:05**     **AI in Radiology: Where we are now and a glance ahead**  
Dr Hugh Harvey, Clinical Director, Kheiron Medical

**10:35**     **AI for interpreting radiological images: How should we regulate new products coming onto the market?**  
Dr Derek Hill, President, Panoramic Digital Health, France

**11:05**     **Refreshments**

**11:35**     **Applying AI to build clinical models**  
Dr Kristen Yeom, Associate Professor of Radiology, Stanford University, California

**12:05**     **Proffered paper – Prediction of risk of interval breast cancer using deep learning**  
Ms Lucy Warren, Clinical Scientist, Royal Surrey County Hospital NHS Foundation Trust

**12:20**     **Proffered paper – Radiomics and machine learning in glioblastoma: Predicting treatment response**  
Dr Markand Patel, Specialty Registrar in Radiology, University Hospitals Birmingham NHS Foundation Trust

**12:35**     **Proffered paper – Developing a machine learning model for the rule out of paediatric pneumonia on chest radiographs**  
Dr Louise Yates, Foundation Year 2 Doctor, University Hospitals Birmingham NHS Foundation Trust; Dr Elliot Yates, Core Anaesthetics Trainee, Dudley Group NHS Foundation Trust

22  
MARCH  
2019

- 12:50**    **Proffered paper – Automatic detection of unexpected and abnormal findings in head MRI Exams using residual convolutional neural networks**  
Dr Sotirios Bisdas, Consultant Associate Professor of Neuroradiology, University College London Hospital
- 13:05**    **Proffered paper – Artificial intelligence in radiology: An assessment of trainee perceptions and understanding**  
Dr Nick Heptonstall, Consultant Radiologist, Addenbrooke's Hospital
- 13:20**    **Lunch**
- 14:20**    **AI in medicine: Where is the humanity?**  
Dr Navin Ramachandran, Consultant Radiologist, University College London Hospital
- 14:50**    **How can AI benefit digital pathology? – the low hanging fruit**  
Professor Paul van Diest, Department of Pathology, Utrecht, Netherlands
- 15:20**    **Refreshments**
- 15:50**    **Using AI to support adoption of functional MRI into clinical practice**  
Dr Christina Messiou, Consultant Radiologist, The Royal Marsden and Institute of Cancer Research
- 16:20**    **Panel discussion**  
Dr Nicola Strickland, Dr Hugh Harvey, Dr Kristen Yeom and Dr Christina Messiou
- 17:15**    **Close of event**

## Registration fees

BIR/RCR Non member	£295
BIR Member Plan 1/RCR Consultant	£185
BIR Member Plan 2	£125
BIR/RCR Trainee member	£85
BIR/RCR Retired member	£65
BIR Student member	£65

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[www.bir.org.uk/join-us](http://www.bir.org.uk/join-us)

## Programme Organisers

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

Dr Hugh Harvey, Clinical Director,  
Kheiron Medical

# ARTIFICIAL INTELLIGENCE IN 2019: WHERE WE ARE NOW

Venue: etc.venues County Hall, London

Riverside Building  
Belvedere Road  
London SE1 7PB

## WALKING FROM WATERLOO MAINLINE AND UNDERGROUND STATION

Head towards platform 18 and leave the station at exit 5 (under the large brown arch) and walk down the stone steps keeping to the left. At the foot of the stairs keep left and walk towards York Road, turn left on to York Road and continue walking with the parade of shops on your left. Keep walking along York Road with the Thames / London Eye on the opposite side of the road to the right. Keep walking up York Road until you see a Premier Inn - just after this there is a crossing which leads to Forum Magnum Square. Cross over to the Square and the door to the venue is directly in front of you across the Square. Should you accidentally find yourself at the London Eye end of Belvedere Road, walk down the road and the door is located just past and opposite Starbucks.

## WALKING FROM WESTMINSTER UNDERGROUND STATION

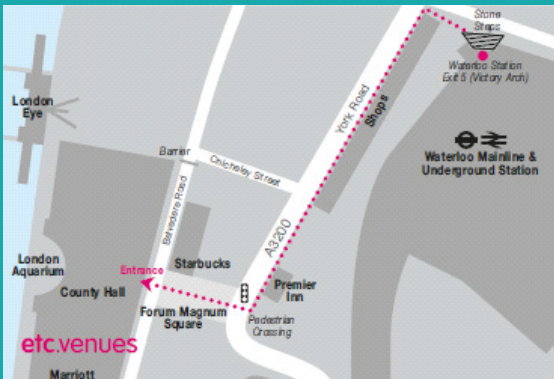
Leave the station via exits 1 and 2 and turn right up the steps onto Westminster Bridge. Walk across the bridge towards County Hall and the London Eye. At the end of the bridge continue straight on along the pavement. Go straight past the entrance to Marriott hotel walking around the building and turn left in to Belvedere Road. Continue along Belvedere Road which runs along the back of County Hall - the door to the venue is situated in the middle of the building opposite Forum Magnum Square.

## BY BUS

etc.venues County Hall is located on the South end of Westminster Bridge and is served by bus routes RV1, 12, 53, 76, 77, 148, 159, 211, 453, and 507.

## BY RIVER BUS

etc.venues County Hall is our first venue accessible via pier - London Eye Pier is served by River Bus route RB1, the service runs 7 days a week, every 20 minutes from North Greenwich via Canary Wharf.



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 The British Institute of Radiology

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