



ACCELERATED MRI: HYPE OR HOPE FOR
INCREASED PATIENT THROUGHPUT
VIRTUAL EVENT
3 CPD CREDITS



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PHILIPS



SIEMENS
Healthineers



A Novartis Company

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The NHS England 2020 Report 'Diagnostics: Recovery and Renewal' by Professor Sir Mike Richards, emphasised the need to increase diagnostic activity, including the back log of imaging caused by the Covid-19 pandemic. His recommendation was an expansion in equipment in line with the then growth rates as well as the replacement of all equipment over ten years old. The latest MRI system upgrades now feature several advanced acquisition and reconstruction techniques designed to accelerate MR imaging with the potential to increase patient throughput. However, the principles and practice of these techniques are often not well appreciated. This BIR virtual meeting will discuss the basic theory, applications, advantages, and limitations of accelerated MRI methods from the perspective of the MR physicist, radiographer, and radiologist.

The main MRI vendors will also present brief overviews of their methods offered on their systems.

Educational aims:

- To describe the basic principles of parallel imaging, compressed sensing, and deep learning.
- To judge how accelerated imaging can contribute to increased diagnostic capacity
- To assess the challenges associated with the implementation of accelerated imaging from a physicist, radiographer, and radiologist perspective
- To compare the various vendor approaches to accelerated imaging

Programme Organiser

Professor Martin Graves
Professor of MR Physics
University of Cambridge

Join us

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13:00 Welcome and introduction

Professor Martin Graves, Professor of MR Physics, University of Cambridge

13:05 Accelerated MR imaging: ambition to reality

Dr Nicola Scott, Senior Imaging Transformation Manager for the North West; and Dr Kim Robertson, Head of Imaging Transformation, NHS England

13:20 Q&A

13:25 Accelerated MR imaging: the basic principles

Dr Simon Shah, Principal Physicist in Magnetic Resonance Imaging, Guy's and St Thomas' NHS Foundation Trust

13:40 Q&A

13:45 Accelerated MR imaging: practical implementation

Dr Michael Hutton, Consultant Clinical Scientist and MR Section Lead, The Christie NHS Foundation Trust

14:00 Q&A

14:05 Break

14:20 Impact of accelerated MRI, a radiographer's perspective

Dr Neil Woodhouse, Clinical Manager MRI, Blackpool Teaching Hospitals NHS Foundation Trust

14:35 Q&A

14:40 Impact of accelerated MRI, a body radiologist's perspective

Dr David Bowden, Consultant Radiologist, Cambridge University Hospitals NHS Foundation Trust

14:55 Q&A

Industry panel session

15:00 Presentation by Philips

15:15 Presentation by Siemens Healthineers

Mr Rob Evans, MR Product Application Specialist, Siemens Healthineers

15:30 Presentation by GE Healthcare

15:45 Panel session Q&A

16:05 Closing remarks

Professor Martin Graves, Professor of MR Physics, University of Cambridge

16:10 Close of event

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Registered charity number: 215869

