



BRITISH SOCIETY OF

**NEURORADIOLOGISTS  
FROM PAST TO FUTURE  
ANNUAL SCIENTIFIC MEETING**

**50TH ANNIVERSARY**



**THURSDAY 18 - FRIDAY 19 NOVEMBER | ROYAL COLLEGE OF PHYSICIANS, LONDON**

**Thursday 18 November**

**08.15 Registration, exhibition, ePosters and welcome refreshments**

**09.00-09.15 Session 1 – Welcome address**

**09.00-09.15 Welcome address**

*Dr Daniel Birchall, Consultant Neuroradiologist, Newcastle, President, British Society of Neuroradiologists*

*Professor Tarek A Yousry, Head of the Division of Neuroradiology & Neurophysics, UCL Queen Square Institute of Neurology, Head of the Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, UCLH, Vice President of the ESNR*

**09.15-10.45 Session 2 – Artificial Intelligence**

Moderators: *Dr Andrew MacKinnon, St George's University Hospitals NHS Foundation Trust & Professor Rob Dineen, Professor of Neuroradiology, University of Nottingham*

**09:15-09.45 The basics and the future**

*Peter M.A. van Ooijen, Associate Prof Medical Imaging Informatics & Coordinator Machine Learning Lab, University Medical Center Groningen, Netherlands*

**09:45-10:00 Machine learning in gliomas**

*Dr Sotirios Bisdas, Consultant Neuroradiologist, National Hospital for Neurology and Neurosurgery, UCLH; Associate Professor, UCL Institute of Neurology*

**10:00-10:15 Automated triaging of head MRI examinations**

*Dr Thomas Booth, Senior Lecturer Neuroimaging, School of Biomedical Engineering & Imaging Sciences, King's College London. Consultant Neuroradiologist, Department of Neuroradiology, King's College Hospital.*

**10:15-10:25 Addressing challenges to the adoption of novel AI developments into neuroradiology routine practice**

*Dr John Thornton, Associate Professor, UCL Queen Square Institute of Neurology, Consultant Clinical Scientist, Lysholm Department of Neuroradiology, National Hospital for Neurology and Neurosurgery, UCLH*

**10:25-10:45 Selected scientific abstracts**

**10.25-10.30 Differentiating progression and pseudoprogression in glioblastoma: diagnostic accuracy and interobserver agreement of the rCBV ratio in MR perfusion**

*Dr Ahmed Maiter, Academic Clinical Fellow in Radiology, Sheffield Teaching Hospitals NHS Foundation Trust*

**10.30-10.35 Whole-body fasciculation detection in ALS using novel MR imaging**

*Dr Julie Hall, Consultant Neuroradiologist & Joint Head of Department, Newcastle upon Tyne NHS Foundation Trust MRC CARP Fellow & Honorary Clinical Lecturer, Newcastle University*

**10.35-10.40 Accurate brain-age prediction from clinically relevant structural MRI scans**

*Dr Thomas Booth, Senior Lecturer Neuroimaging, School of Biomedical Engineering & Imaging Sciences, King's College London. Consultant Neuroradiologist, Department of Neuroradiology, King's College Hospital.*

**10.40-10.45 COVID-19 related intracranial imaging findings: a large single-centre experience**

*Professor Vijay Sawlani, Consultant Neuroradiologist, University Hospitals Birmingham*



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**10:45 Refreshments, exhibition and ePosters, including case of the day**

**10:45 TESC meeting** Heberden room  
**10:45 Academic subcommittee meeting** Censor's room

**11.15-13.00 Session 3 – COVID**  
Moderators: Dr Naomi Sibtain, Consultant Neuroradiologist, King's College Hospital NHS Foundation Trust & Dr Amrish Mehta, Consultant Radiologist, Imperial College NHS Foundation Trust

**11:15-11:35 Neurological presentation**  
*Dr Hadi Manji, Consultant Neurologist, National Hospital for Neurology and Neurosurgery, UCLH*

**11:35-11:50 Pathology of COVID infections in the brain**  
*Professor Sebastian Brandner, Professor of Neuropathology, National Hospital for Neurology and Neurosurgery, University College London Hospitals & Consultant Neuropathologist, UCL Queen Square Institute of Neurology*

**11:50-12:15 MR patterns in adults**  
*Professor Rolf Jäger, UCL Queen Square Institute of Neurology, Consultant Neuroradiologist, Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, UCLH*

**12:15-12:30 Neuroimaging manifestation in children**  
*Professor Stavros Stivaros, The University of Manchester*

**12:30-12:45 Imaging complications of vaccination**  
*Dr Luke Dixon, Consultant Neuroradiologist, Imperial College Healthcare NHS Trust*

**12:45-13:00 Neurointervention in complications of COVID and anti-COVID vaccination**  
*Dr Peter Flynn, Consultant Diagnostic and Interventional Neuroradiologist, Royal Victoria Hospital, Belfast*

**13:00 Lunch, exhibition and ePosters, including case of the day**

**13:00 BSNR executive meeting** Censor's room

**14.00-15.45 Session 4 – NeuroIntervention – including the Brian Kendall lecture**  
Moderators: Dr Sarah Power, Consultant Interventional and Diagnostic Neuroradiologist, Beaumont Hospital, Ireland & Dr Peter Cowley, Consultant Interventional Neuroradiologist, National Hospital for Neurology and Neurosurgery, UCLH

**14:00-14:15 Selected scientific abstracts**

**14:00-14:05 Machine learning algorithm in acute stroke: real world experience**  
*Dr Nathan Chan, ST5 Interventional Neuroradiology, National Hospital for Neurology and Neurosurgery, UCLH*

**14:05-14:10 Rupture risk of unruptured intracranial aneurysms in patients with prior subarachnoid haemorrhage: a 10-18-year follow-up of ISAT (UK)**  
*Dr Andrew Molyneux, Retired Senior Clinical Research Fellow, Nuffield Department of Surgical Sciences Oxford University*



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**14.10-14.15**    **Dynamic CT myelography in detection of spontaneous spinal cerebrospinal fluid leaks: lessons from our single centre experience**  
*Dr Shahriar Islam, Imperial College Healthcare NHS Trust*

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**14.15-14.35**    **Current and evolving roles of AI in interventional management of acute stroke**  
*Dr Anthony Goddard, Consultant Diagnostic and Interventional Neuroradiologist, The Leeds Teaching Hospitals NHS Trust*

**14.35-14.55**    **Large scale independent testing of AI software for stroke**  
*Dr Grant Mair, Senior Clinical Lecturer in Neuroradiology, The University of Edinburgh on behalf of the RITeS Collaboration*

**14.55-15.45**    **The Brian Kendall lecture**  
**Interventional neuroradiology - looking beyond the obvious**  
*Professor Timo Krings, Department of Medical Imaging, Toronto Western Hospital, Canada*

**15:45**            **Refreshments, exhibition and ePosters, including case of the day**

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**16.15-17.00**    **Session 5 – BSNR 50<sup>th</sup> Anniversary reflections**  
Moderators: Dr Margaret Hourihan, Consultant Neuroradiologist, Cardiff and Vale NHS Trust & Dr John Straiton, Consultant Neuroradiologist

**16.15-16.45**    **50 Years of the BSNR: from idea to pandemic**  
*Dr Chris Rowland Hill, Consultant Neuroradiologist Hull University Teaching Hospitals & Past President, BSNR*

**16.45-17:00**    **The future**  
*Dr Daniel Birchall, Consultant Neuroradiologist, Newcastle, President, British Society of Neuroradiologists*

**17.00-18.00**    **Annual Business of the BSNR**

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**19:30**            **Society 50<sup>th</sup> Anniversary Gala Dinner**  
**The Kimpton Fitzroy London Hotel, Russell Square**



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**Friday 19<sup>th</sup> November**

**08.30 Registration, exhibition, ePosters and welcome refreshments**

**09.00-10.30 Session 6 – Inflammation MS**

Moderators: Dr Asif Mazumder, Consultant Neuroradiologist, Joint Clinical Director Guy's and St Thomas' NHS Foundation Trust & Dr Oliver Conway, Consultant Neuroradiologist, University Hospitals Plymouth NHS Foundation Trust

**09.00-09.20 MS imaging protocol**

*Dr Àlex Rovira, Department of Radiology, Vall d'Hebron University Hospital. Barcelona, Spain*

**09.20-09.35 Diagnosis and differential diagnosis of NMOSD/MOGAD**

*Professor Frederik Barkhof, UCL Queen Square Institute of Neurology, Consultant Neuroradiologist, Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, UCLH*

**09.35-09.55 Paediatric DD ADEM/NMO/MS**

*Dr Kish Mankad, Consultant Paediatric Neuroradiologist, Clinical Lead for Paediatric Neuroradiology, Great Ormond Street Hospital*

**09.55-10.10 Quantitative and automated assessment of MRI in MS**

*Dr Àlex Rovira, Department of Radiology, Vall d'Hebron University Hospital. Barcelona, Spain*

**10.10-10.30 MS treatment concepts**

*Professor Olga Ciccarelli, Professor of Neurology, Queen Square Institute of Neurology, UCL*

**10:30 Refreshments, exhibition and ePosters, including case of the day**

**11.00-11.30 Session 7 –Top tips for diagnosing - advice from the experts**

Moderators: Dr Samantha Mills, Consultant Neuroradiologist, The Walton Centre NHS Foundation Trust and Dr Ian Craven, Consultant Neuroradiologist, The Leeds Teaching Hospitals NHS Trust

**1. Movement disorders**

*Professor Dorothee Auer, Professor of Neuroimaging, Faculty of Medicine & Health Sciences, University of Nottingham*

**2. Brachial plexus pathologies**

*Dr Sachit Shah, Consultant Neuroradiologist, Lysholm Department of Neuroradiology, National Hospital for Neurology and Neurosurgery, UCLH*

**3. Reflections on abusive head trauma**

*Dr Neil Stoodley, Consultant Neuroradiologist, North Bristol NHS Trust*

**4. Navigating orbital lumps and bumps (Survival tips and tricks)**

*Dr Indran Davagnanam, Consultant Neuroradiologist, Lysholm Department of Neuroradiology, National Hospital for Neurology and Neurosurgery, UCLH*

**5. Encephalitis**

*Professor Rolf Jäger, UCL Queen Square Institute of Neurology, Consultant Neuroradiologist, Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, UCLH*





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<b>11.30-12.30</b>	<b>Session 8 - Neurodegeneration</b> Moderators: Dr Stefan Schwarz, Consultant Radiologist, Cardiff and Vale University Health Board & Dr Tom Campion, Consultant Neuroradiologist, Barts Health NHS Trust
<b>11.30-11.50</b>	<b>Neuropathology of folding proteins</b> <i>Professor Selena Wray, Alzheimer's Research UK Senior Research Fellow, Department of Neurodegenerative Disease, UCL Queen Square Institute of Neurology</i>
<b>11.50-12.10</b>	<b>Neuroimaging patterns in dementia</b> <i>Professor Frederik Barkhof, UCL Queen Square Institute of Neurology, Consultant Neuroradiologist, Lysholm Department of Neuroradiology, National Hospital for Neurology &amp; Neurosurgery, UCLH</i>
<b>12.10-12.30</b>	<b>Quantitative measurements in the memory clinic</b> <i>Professor Meike Vernooij, Consultant Neuroradiologist, Professor of Population Imaging, Erasmus University Medical Center, Rotterdam, Netherlands</i>
<b>12:30</b>	<b>Lunch, exhibition and ePosters, including case of the day</b>
12:30	Neuroradiology Trainee Update Meeting
<b>13.30-15.00</b>	<b>Session 9 – Neuroanatomy and neuro-oncology</b> Moderators: Professor Tarek A Yousry, Head of the Division of Neuroradiology & Neurophysics, UCL Queen Square Institute of Neurology, Head of the Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, UCLH, Vice President of the ESNR & Professor Jonathan Gillard, Christ's College, University of Cambridge
<b>13.30-14.30</b>	<b>The James Bull lecture</b> <b>Mapping the human brain - from concept to application of a new digital brain atlas</b> <i>Professor Dr Katrin Amunts, Vogt Institute for Brain Research, University of Düsseldorf, Germany</i>
<b>14.30-15.00</b>	<b>Language</b> <i>Professor Sophie Scott, Director, Institute of Cognitive Neuroscience, UCL</i>
<b>15:00</b>	<b>Final refreshments, exhibition and e-posters session</b>
<b>15.25-17.00</b>	<b>Session 10 - Neuroanatomy and neuro-oncology</b> Moderator: Professor Tarek A Yousry, Head of the Division of Neuroradiology & Neurophysics, UCL Queen Square Institute of Neurology, Head of the Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, UCLH, Vice President of the ESNR
<b>15.25-15.30</b>	<b>Preview of the BSNR ASM 2022, Liverpool</b>
<b>15.30-16.10</b>	<b>Circuitry of the emotional brain</b> <i>Professor Dr Thomas P Naidich, Vice-Chair of Radiology for Academic Affairs, The Mount Sinai Hospital, New York, USA</i>
<b>16.10-17.00</b>	<b>The 2021 WHO classification of CNS neoplasms: what neuroradiologists need to know</b> <i>Professor Anne G. Osborn, University Distinguished Professor of Radiology and Imaging Sciences, Spencer F. Eccles School of Medicine at the University of Utah, USA</i>
<b>17.00-17.05</b>	<b>Closing remarks</b>
<b>17:05-17.50</b>	<b>Farewell reception</b>