RCSI FACULTY OF RADIOLOGISTS

THE IRISH SOCIETY OF NEURORADIOLOGY: FOURTH ANNUAL MEETING

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FOURTH ANNUAL MEETING

Dear Delegate,

The Irish Society of Neuroradiology is delighted to invite you to its fourth annual meeting. This will be held in the Royal College of Surgeons in Ireland in St Stephen's Green in Dublin on May 25th and 26th 2017.

Previous meetings in 2014, 2015 and 2016 have been a great success with a mixture of local and international speakers with a focus on neuroradiology and head and neck imaging.

For our fourth meeting, we aim to present a series of educational and refresher talks and lectures. The topics include and relate to multiple sclerosis, cerebral vasculitis, CSF leaks, cerebral venous sinus thrombosis, neonatal brain imaging, spinal trauma, spinal vascular lesions and several head and neck imaging topics, among others. This will be complemented by a series of afternoon workshop sessions including use of anaesthesia in the radiology department and interactive and realtime CT angiography workshop. For the first time, we have a workshop with a simulator device for cerebral aneurysm coiling and endovascular stroke treatments.

We are delighted to welcome to our meeting, Prof Tarek Yousry from Queens Square in London, Dr Richard Farb from the University Health Network in Toronto and Prof Adam Waldman from Neuroimaging Sciences at the University of Edinburgh. Prof Yousry will speak on MRI post treatment of multiple sclerosis. Dr Farb will speak on both CSF leaks and cerebral venous sinus thrombosis. Prof Waldman will speak on brain tumours and the new 2016 WHO CNS tumour classification.

CME and CPD credits will be awarded for attendance at both the lectures and the workshops. We look forward to welcoming you back to Dublin to what we hope will be a successful meeting.

Dr Seamus Looby
Consultant Neuroradiologist,
Beaumont Hospital,
Dublin,
Ireland

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THURSDAY MAY 25 2017

8:50-9 am **INTRODUCTION and WELCOME**

SESSION I **BRAIN IMAGING** *Moderator: Dr Seamus Looby*

9-9:30 am **Role of MRI in Monitoring Complications of Multiple Sclerosis Treatment**
Prof Tarek Yousry, Professor of Neuroradiology, Head of Lysholm Department of Neuroradiology, Head of Division of Neurosurgery and Neurophysics, Institute of Neurology, The National Hospital for Neurology and Neurosurgery, Queen Square, London, United Kingdom

9:30-10 am **Imaging of Vasculitis**
Dr Sarah Power, Consultant Neuroradiologist, Beaumont Hospital, Dublin, Ireland

10-10:30 am **Intracranial Hypotension – my Approach to Imaging and Treatment**
Dr Richard I Farb, Interventional and Diagnostic Neuroradiologist, University Health Network, Toronto, Canada, Associate Professor, University of Toronto, Canada

10:30-11 am **COFFEE**

SESSION II **SPINE IMAGING** *Moderator: Dr Sarah Power*

11-11:30 am **Spinal Cord Lesions – A Radiological Algorithmic Approach**
Dr Seamus Looby, Consultant Neuroradiologist, Beaumont Hospital, Dublin, Ireland

11:30-12 pm **Imaging of Spine and Spinal Cord Trauma**
Dr Peter MacMahon, Consultant Radiologist, Mater Hospital, Dublin, Ireland

12-12:30 pm **Vascular Lesions of the Spine**
Dr Gerald Wyse, Consultant Neuroradiologist, Cork University Hospital, Cork, Ireland

12:30-1:30 pm **LUNCH**

Session III **NEUROSURGERY** *Moderator: Dr Alan O'Hare*

1:30-2 pm **Intramedullary Tumours in Children – A Surgeons Perspective**
Mr Darach Crimmins, Consultant Paediatric Neurosurgeon, Temple Street Children's University Hospital, Dublin, Ireland

WORKSHOPS **2:15-5:15 pm**

1. **Cortical Gyral and Sulcal Anatomy** – Prof Tarek Yousry
2. **Anaesthesia in the Radiology Department** – Dr Sinead Galvin
3. **Neurovascular Simulation Hands On Workshop** – Dr Sarah Power

2:15-3:00 pm Workshop Yousry/Galvin/Power

3:15-4 pm Workshop Yousry/Galvin/Power

4-4:30 pm **COFFEE**

4:30-5:15 pm Workshop Yousry/Galvin/Power

Faculty of Radiologists CPD Credits Awarded: 8 External credits

FRIDAY MAY 26 2017

SESSION IV **HEAD and NECK IMAGING** *Moderator: Dr Paul Burns*

9-9:30 am **Imaging of Orbital Disease and Visual Disturbance**
Dr Ronan Killeen, Consultant Radiologist, St Vincent's University Hospital, Dublin, Ireland

9:30-10 am **Benign and Malignant Lesions of the Salivary Glands**
Dr Neil O'Donovan, Consultant Radiologist, South Infirmary Hospital, Cork, Ireland

10-10:30 am **Cystic and Cystlike Neck Masses**
Dr Alan O'Hare, Consultant Neuroradiologist, Beaumont Hospital, Dublin, Ireland

10:30-11 am COFFEE

SESSION V **BRAIN IMAGING** *Moderator: Dr John Thornton*

11-11:30 am **Brain Tumours – Imaging and the new WHO Classification**
Prof Adam Waldman, Professor of Neuroradiology, Neuroimaging Sciences, University of Edinburgh, United Kingdom

11:30-12 pm **Topical Topics in Neonatal Brain Imaging**
Dr Stephanie Ryan, Consultant Paediatric Radiologist, Temple Street Children's University Hospital, Dublin, Ireland

12-12:30 pm **Cerebral Venous Sinus Thrombosis – Anatomy and Imaging**
Dr Richard I Farb, Interventional and Diagnostic Neuroradiologist, University Health Network, Toronto, Canada, Associate Professor, University of Toronto, Canada

12:30-1:30 pm LUNCH

Session VI **NEUROPATHOLOGY** *Moderator: Dr Seamus Looby*

1:30-2 pm **Forensic Neuropathology**
Dr Francesca Brett, Consultant Neuropathologist, Beaumont Hospital, Dublin, Ireland

WORKSHOPS **2:15-5:15 pm**

1. **Stroke Mimics** – Dr Paul Burns
2. **ASPECTS score CT brain and CT angiography in stroke, real time cases** – Dr John Thornton
3. **Neurovascular Simulation Hands On Workshop** – Dr Sarah Power

2:15-3:00 pm Workshop Burns/Thornton/Power
3:15-4 pm Workshop Burns/Thornton/Power
4-4:30 pm **COFFEE**
4:30-5:15 pm Workshop Burns/Thornton/Power

Faculty of Radiologists CPD Credits Awarded: 8 External credits

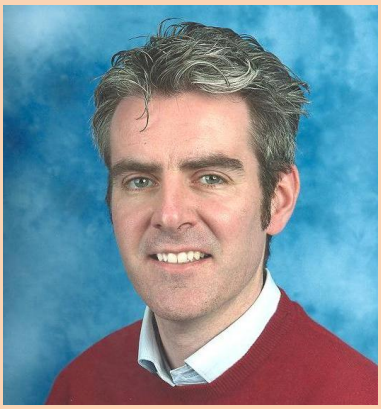
Faculty *(In alphabetical order)*

Dr Francesca Brett, Consultant Neuropathologist, Beaumont Hospital, Dublin

Dr Francesca Brett qualified in University College Cork and was awarded her MD thesis entitled 'Cell-cell interaction and its effects on neural vascular endothelium' by the National University of Ireland. This work was carried out between the Veterinary School, University of Cambridge, UK and the Neuropathology Department, University of California, San Diego, USA. She currently works as a Consultant Neuropathologist in Beaumont Hospital and St James and as a Senior Lecturer in Neuropathology at Trinity College Dublin. She is passionate about teaching and lectures to undergraduates in Trinity on a variety of courses including Pathology, Medical Ethics, Health Sciences and Psychiatry and on a variety of topics including basic pathology, medical negligence, medical expert witness, report writing etc. She has also participated in the Advanced Advocacy Course in Keble College Oxford, UK volunteering her services as a Medical Expert Witness. On the post graduate level she has delivered numerous lectures both at a local level and at a national level. In her capacity as Regional Specialist Advisor in Neuropathology she has ensured Neuropathology (a recognized subspecialty in the Irish Medical Council) has it' own curriculum which is approved and that a dual pathway into Neuropathology is recognized. She has also been instrumental in setting up the combined Irish Institute of Clinical Neurosciences Neuropathology/Molecular Pathology Fellowship due to start in July 2017.

Dr. Paul Burns, Consultant Neuroradiologist, Royal Victoria Hospital, Belfast

Dr. Paul Burns is a consultant diagnostic and interventional neuroradiologist in the Royal Victoria Hospital in Belfast, Northern Ireland. He completed training in diagnostic and interventional neuroradiology in both the Royal Victoria Hospital, Northern Ireland, and the University of Calgary, Calgary, Canada. He has a special interest in neuroimaging including neuroradiological anatomy and endovascular treatment of head and spine vascular disease including stroke, aneurysm, AVM and AVF.



Mr Darach Crimmins, Consultant Paediatric Neurosurgeon, Temple Street Children's University Hospital, Dublin

Mr Darach Crimmins completed Paediatric Neurosurgery fellowships in Hopital Necker Enfants Malades Paris 2004 and Great Ormond Street Hospital 2005. He was a Consultant Paediatric Neurosurgeon in Leeds General Infirmary 2005-2010.

He is a Consultant Paediatric Neurosurgeon at Children's University Hospital Temple Street and Beaumont Hospital from 2010 to present. His specialist interests include hydrocephalus, neuroncology, spinal dysraphism and surgical treatment of spasticity in children.

Dr Richard Farb Interventional and Diagnostic Neuroradiologist, Associate Professor, University of Toronto, Canada

Dr. Farb grew up in Toronto Canada and graduated from medical school at the University of Toronto in 1985 following his residency training in diagnostic radiology at Wayne State University. He completed a two-year fellowship in neuroradiology at the University of Toronto teaching hospitals as well as The Barrow Neurological Institute in Phoenix Arizona. Dr. Farb is currently a diagnostic and interventional Neuroradiologist at the Toronto Western Hospital/University Health Network and Site Chief of Medical Imaging at Toronto's Sinai Health System. He is an Associate Professor in the Division of Neuroradiology, Department of Medical Imaging, University of Toronto. Dr. Farb's areas of expertise include MR/MRA of the Brain and Spine, endovascular treatment of aneurysms, carotid stenting, treatment of stroke and intracranial hypotension.

Dr Sinead Galvin, Consultant Anaesthetist, Beaumont Hospital, Dublin

Dr. Sinead Galvin completed Fellowship Higher Specialist Training in the University Of Toronto – Critical Care Medicine 2010- 2011 and in Auckland City Hospital – Cardiovascular Anaesthetic & Cardiovascular ICU 2011 – 2012. Her areas of Clinical Practice are Anaesthesia and Intensive Care Medicine. Her areas of Special Expertise is Peri Operative Medicine ICU care. She currently works as a consultant anesthetist in Beaumont Hospital in Dublin, Ireland.

Dr Ronan Killeen, Consultant Radiologist, St Vincent's University Hospital, Dublin

Dr Ronan Killeen is a Consultant Radiologist working within St Vincent's Healthcare Group and The Royal Victoria Eye and Ear Hospital in Dublin. He did his fellowship training in New York Presbyterian Hospital in Neuroradiology and Molecular imaging from 2009-2011 and subsequently was board certified as a nuclear medicine physician. His particular interests are in multimodality imaging of neurological disease including demyelination, head and neck cancer and orbital disease in addition to molecular imaging in dementia and movement disorders.

Dr. Seamus Looby, Consultant Neuroradiologist, Beaumont Hospital, Dublin

Dr. Seamus Looby is a consultant diagnostic neuroradiologist in Beaumont Hospital, Dublin, Ireland. He completed fellowship training in neuroradiology in Thomas Jefferson University Hospital, Philadelphia and the University of Virginia, Charlottesville in the USA. He has a special interest in diagnostic neuroradiology including brain, spine and ENT imaging and image guided head, neck and spine biopsies and pain relief procedures.

Dr Peter MacMahon, Consultant Radiologist, Mater Hospital, Dublin

Dr Peter MacMahon is a Consultant Radiologist at the Mater Misericordiae University Hospital, Dublin, with subspecialty interests that include Musculoskeletal, Emergency and Neuroradiology. He is a University College Dublin Medical School graduate and undertook his primary radiology training at the Mater Hospital. Subsequently Dr MacMahon completed two years of clinical fellowship training at Massachusetts General Hospital, Boston, before returning to the Mater hospital. Dr MacMahon is routinely involved in the diagnosis and management of patients being treated at the National Spinal Injuries Unit, which is based at the Mater.

Dr Neil O'Donovan, Consultant Radiologist, South Infirmary Hospital, Cork

Dr Neil O'Donovan works as a general radiologist with an interest in Head and Neck imaging at the South Infirmary Victoria University Hospital in Cork. The ENT department at the SIVUH is the Regional Centre for Head and Neck cancers in the southern region. Dr O'Donovan trained in Radiology at Cork University Hospital and undertook fellowship training in Canada at Dalhousie University in Nova Scotia and at McMaster University Medical Centre in Ontario. He returned to Cork in 1997.

Dr. Alan O'Hare, Consultant Neuroradiologist, Beaumont Hospital, Dublin

Dr. Alan O'Hare is a consultant diagnostic and interventional neuroradiologist in Beaumont Hospital, Dublin, Ireland. He previously completed fellowship training in Alfried-Krupp KrankenHaus, Essen, Germany and Massachusetts General Hospital, Boston, USA. He has a special interest in endovascular treatment of acute large vessel ischaemic stroke, endovascular coiling of cerebral aneurysms, endovascular treatment of cerebral and spinal AVMs and AVF and image guided head, neck and spine interventions.

Dr Sarah Power, Consultant Neuroradiologist, Beaumont Hospital, Dublin

Dr Sarah Power graduated from the National University of Ireland, Galway. She completed her radiology SpR in Beaumont Hospital, Dublin. Her fellowship and higher specialist training was at the University of Toronto Medical Imaging Program, Toronto, Canada, a two year fellowship Interventional Neuroradiology and a one year fellowship Diagnostic Neuroradiology. Her areas of interest include vessel wall imaging, endovascular treatment of cerebral aneurysms and mechanical thrombectomy for acute large vessel ischaemic stroke."

Dr Stephanie Ryan, Consultant Paediatric Radiologist, Temple Street Children's University Hospital, Dublin

Dr. Stephanie Ryan is a Consultant Paediatric Radiologist at the Temple Street Children's University Hospital, Dublin and at the Neonatal Department of the Rotunda Hospital, Dublin. This position is wholly devoted to performance and interpretation of paediatric imaging, much of which is paediatric neuroimaging. Dr. Ryan did specialist training in Paediatric Radiology in Seattle, Washington, USA and further training in Angiography and Interventional Radiology in the Mayo Clinic, USA. She was a consultant Paediatric Radiologist in the USA for several years before taking up her present position. Dr. Ryan has written several papers on paediatric imaging, written chapters in text books of imaging and has written a textbook on imaging anatomy, the third edition of which was recently published. She has presented papers and been an invited speaker at several international meetings on Paediatric Radiology.

Dr. John Thornton, Consultant Neuroradiologist, Beaumont Hospital, Dublin

Dr. John Thornton is a consultant diagnostic and interventional neuroradiologist in Beaumont Hospital, Dublin, Ireland. He completed training in neuroradiology in University of Illinois at Chicago and Northwestern University in Chicago. He has a special interest in neurovascular imaging and endovascular intervention for cerebral aneurysms, AVMs, vascular stenosis and acute ischaemic stroke. He is currently the clinical lead for stroke in Beaumont Hospital, Dublin, Ireland. He was the co-principal investigator for the ESCAPE (Endovascular Treatment for Small Core and Anterior Circulation Proximal occlusion with Emphasis on minimizing CT to recanalization times) trial in Ireland.

Professor Adam Waldman, Professor of Neuroradiology, Neuroimaging Sciences, University of Edinburgh, United Kingdom

Adam Waldman is Chair of Neuroradiology at Edinburgh University

He gained a PhD and undertook post-doctoral research in biophysics before training in medicine at Cambridge, then in Internal medicine followed by Radiology and Neuroradiology in London. He was previously Consultant Neuroradiologist and Research Director for Radiology at Imperial College Healthcare NHS Trust. Adam's main research interests are in quantitative and physiological neuroimaging, particularly as applied to neuro-oncology, neurodegenerative dementias and neuroinflammatory disease.

Dr. Gerald Wyse, Consultant Neuroradiologist, Cork University Hospital, Cork

Dr. Gerard Wyse is a consultant diagnostic and interventional neuroradiologist in Cork University Hospital in Cork, Ireland. He completed fellowship training and worked on staff in diagnostic and interventional neuroradiology at John Hopkins Hospital, Baltimore, Maryland, USA. He has a special interest in neuroimaging, endovascular treatment of vascular diseases and percutaneous spinal interventions.

Professor Tarek Yousry, Professor of Neuroradiology at UCL Institute of Neurology, Head of Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, University College London, United Kingdom.

Tarek Yousry is Professor of Neuroradiology at UCL Institute of Neurology, Head of Lysholm Department of Neuroradiology, National Hospital for Neurology & Neurosurgery, and Head of the Division of Neuroradiology and Neurophysics. He was awarded the Fellowship of the Royal College of Radiologists in 2003. His interest focuses on improving treatment outcome through precise identification of anatomic and functional structures, establishing quantitative MR indices of various CNS diseases and defining their histological basis at 9.4T and applying them at 1.5T and 3T.

REGISTRATION

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If you have any difficulties registering for the Irish Society of Neuroradiology Meeting please contact:
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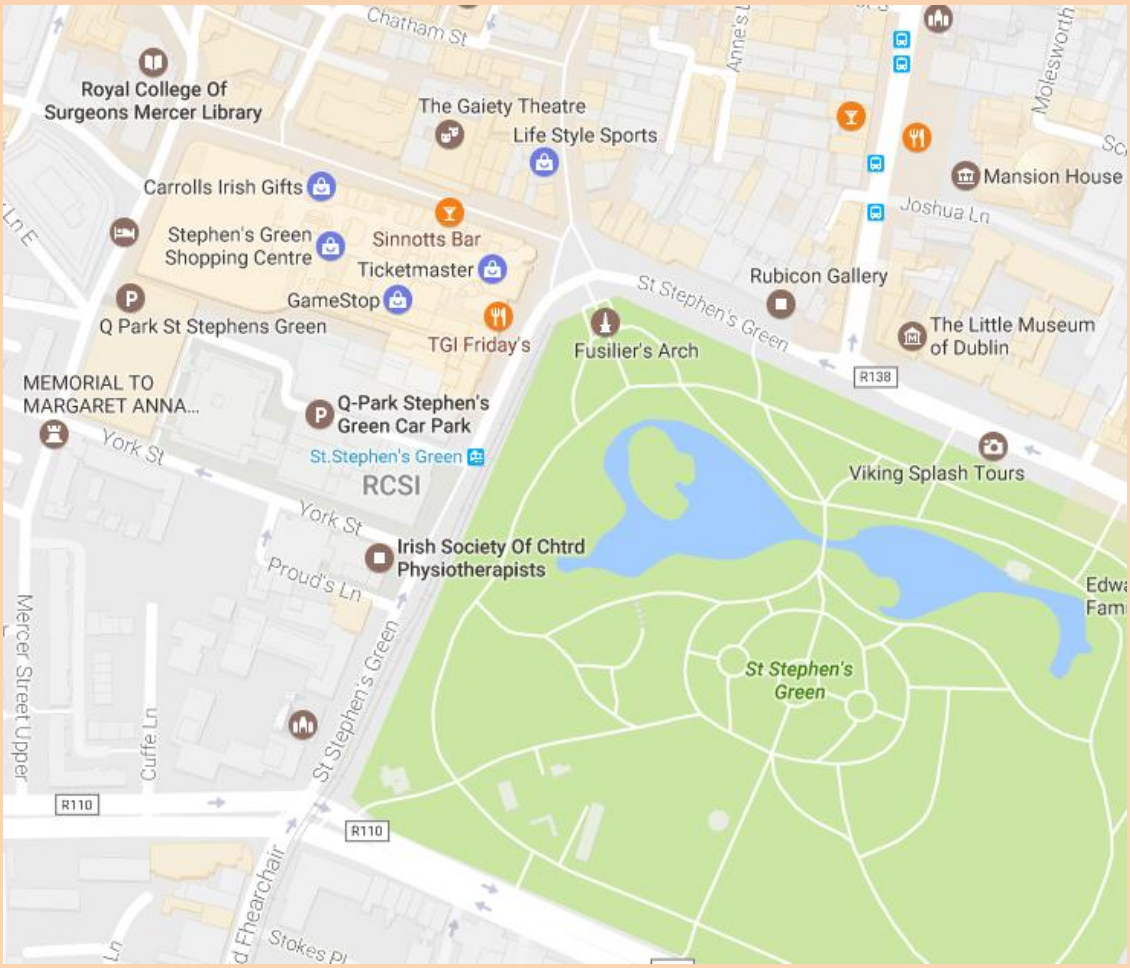
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