

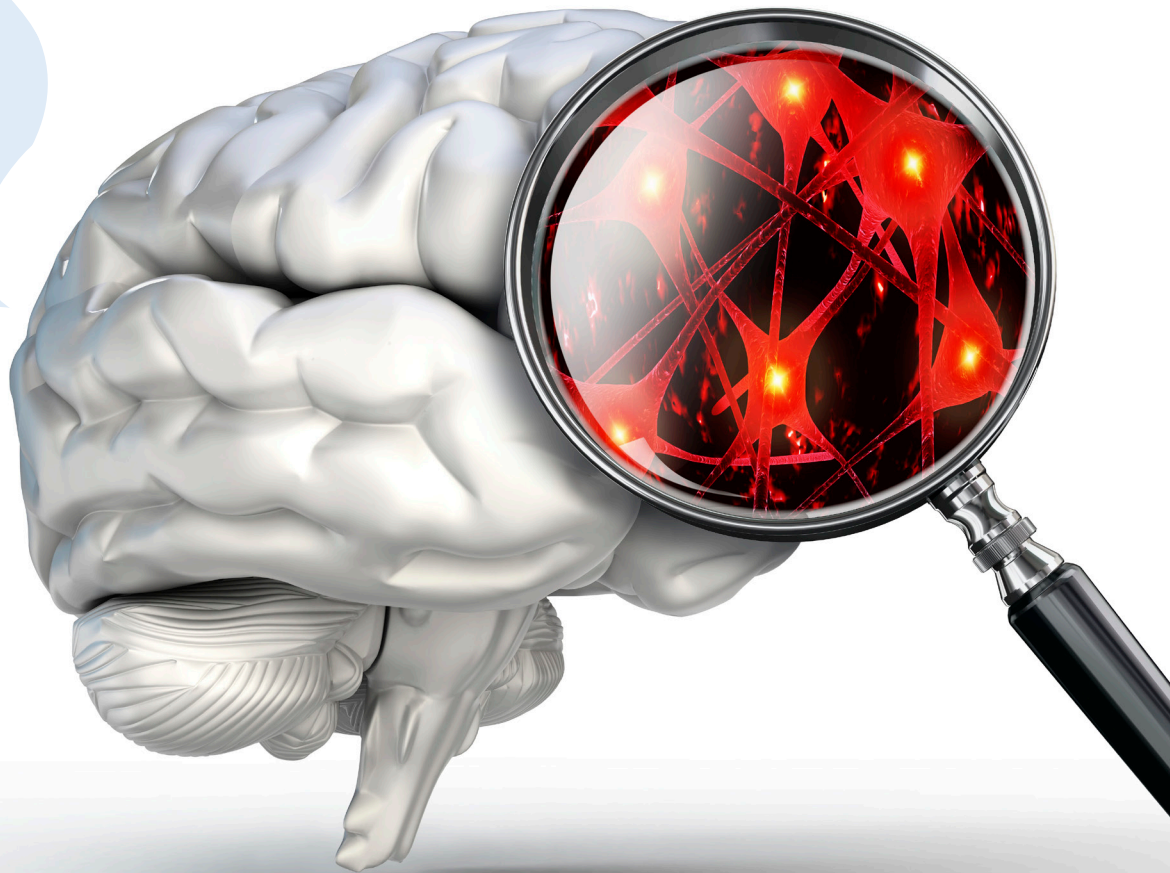
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# The Big Picture

How advances in neuroimaging and other new diagnostic biomarkers influence the evaluation of Brain Injury in clinical medicine, rehabilitation and in Court.



5 POINTS

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Thursday 15th October  
Pullman Hotel, St Pancras, London

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Organised by  
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09.00 – 09.40 – Registration

## 1. Traumatic Brain Injury – Neuro Imaging in 2015

**Part 1- A Review of State of the Art Clinical Imaging Including New Biomarkers – How, When, Why?**

[Dr Emer MacSweeney](#)  
Consultant Neuroradiologist, Re:Cognition Health

**Part 2 - Advanced MRI Techniques in Traumatic Brain Injury: Separating Out Structure From Function.**

Many patients suffer severe neuropsychological difficulties after TBI and yet their scans often appear normal. Partly this is due to the wide range of normal variation within a population and partly because standard scans demonstrate structure but not function.

New techniques such as diffusion tensor MRI, diffusion kurtosis and assessment of resting state networks allow some insight into underlying function and are starting to throw light on this difficult clinical problem. Some techniques are ready for clinical and medico-legal use, while others are still at a research level.

[Dr Shawn Halpin](#),  
Consultant Neuroradiologist, University Hospital of Wales

## 2. The Cognitive Neurology of TBI

Even relatively minor TBI results in injury to the conducting pathways in the brain. Although the 'classic' view is that the brain is formed of specialised 'modules', this neophrenological view has given way to concepts that the brain consists of multiple networks or systems, with the components of each system widely distributed throughout the brain. Damage to the conducting pathways result in disconnections between interacting systems, and these results in the persisting cognitive and psychiatric disorders observed. TBI also results in chronic pathological changes that may accumulate over time, especially if there are repeated episodes of head trauma, resulting in dementia (such as the dementia pugilistica of boxers) and even, some evidence would suggest, a lifespan that may be shortened by a decade or more.

[Richard Wise](#)  
Professor of Neurology, Imperial College London

## 3. The Limitations of Diagnostic Biomarkers in TBI: Adventures at the Interface Between Brain & Mind

Despite advances in diagnostics and identification of biomarkers in traumatic brain injury, it still remains that the interface between disorders of brain and mind poses a challenge to neuroscience and in Court. The presentation will explore the limitations of diagnostic advances in clinical neuropsychiatry, neurorehabilitation and in the medico-legal setting.

[Dr Mike Dilley](#)  
Consultant Neuropsychiatrist, The Lishman Unit, Maudsley Hospital

## 4. The Power of Neuropsychological Insight and its' Contribution in the Medico-Legal Domain

The presentation will be examining the type and degree of information that can be obtained from a neuropsychological assessment along with the impact of this information in terms of diagnostics and treatment planning. The presentation will be looking at new and emerging assessments and treatments in the field of Neuropsychology.

[Dr Priyanka Pradhan](#)  
Consultant Clinical Neuropsychologist, Re:Cognition Health

## 5. MRI in Hypoxic Birth Injury

MRI is indispensable in the diagnosis of hypoxic ischaemic birth injury. The lecture will describe the various types incorporating more recent imaging sequences.

[Dr Paul Butler](#)  
Consultant Neuroradiologist

## 6. The Importance of Neuroimaging in Medico-Legal Cases – Causation, Condition & Prognosis

From a medico-legal perspective, traumatic brain injuries present complex questions and issues in not only simply determining who is responsible for an accident (liability) but also in determining how a TBI affects a victim, physically, mentally and economically (condition & prognosis). The role of an expert neuroradiologist is key in both personal injury and medical negligence cases involving TBI. This talk explores how accurate diagnostic information underpins the quality of the Expert Witness report.

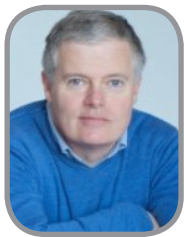
[Iona Meeres-Young](#)  
Partner, Fieldfisher



**Dr Emer MacSweeney**

**CEO & Medical Director**  
**Re:Cognition Health**

Dr MacSweeney is a CEO and Medical Director for Re:Cognition Health. As a Consultant Neuroradiologist, she was previously Director of Neuroradiology at Atkinson Morley's Hospital and St George's Healthcare Trust. Dr MacSweeney has extensive experience in both the NHS and independent sector. Dr MacSweeney trained in neuroradiology at the National Hospital for Neurology and Neurosurgery, Queen Square, specialising in interventional vascular neuroradiology. Dr MacSweeney has a special interest in neuroradiology of cognitive impairment disorders with considerable experience in imaging of neurovascular diseases and traumatic brain injury. She has extensive experience of providing medico-legal neuroradiology reports, instructed by both claimants, defendants and in response to joint instructions.



**Dr Shawn Halpin**

**Consultant Neuroradiologist**  
**University Hospital of Wales**

Dr Halpin is a diagnostic and interventional Neuroradiologist based in Cardiff since 1993. His interests include traumatic brain injury and expertise and error in Radiology, the latter resulting in an LLM degree in 2009. He has undertaken medico-legal work for the last 15 years and in the last five years, in combination with colleagues in Cardiff and Swansea, has developed extensive experience in 3T MRI and diffusion tensor imaging in brain injury.



**Professor Richard Wise**

**Consultant Neurologist**  
**Imperial College of London**

Professor Wise is a Consultant Neurologist at Imperial AHSC and heads the Computational, Cognitive and Clinical Neuroimaging Laboratory (C3NL) at Imperial College London. He is also leader of the Cognitive Neuroimaging Group at the MRC Clinical Sciences Centre. In addition to operating a busy general clinical neurology practice with a specific interest in disorders causing impairments in cognition, Professor Wise also leads the clinical research team at Imperial College investigating neural systems involved in cognitive processes, related to recovery after stroke. Professor Wise has published extensively on the application of functional neuroimaging and he is recognised nationally and internationally as a leading expert in this field. Professor Wise has been preparing medico-legal reports since 2011 and has both a specialist and a general clinical neurological practice.



**Dr Mike Dilley**

**Consultant Neuropsychiatrist**  
**The Lishman Unit, Maudsley Hospital**

Dr Mike Dilley is a Consultant Neuropsychiatrist looking after inpatients with brain injury and neuropsychiatric disorders on The Lishman Unit and brain injury outpatients. Pathway Lead Clinician for the SLaM Neuropsychiatry Service. Dr Dilley worked as a General Adult & Community Consultant Psychiatrist and Inpatient Clinical Lead in the borough of Westminster for five years and Honorary Consultant Neuropsychiatrist at Queen Square, before commencing his post at The Maudsley in 2011. Dr Dilley has prepared neuropsychiatric medico-legal reports since 2006.



**Dr Priyanka Pradhan**

**Consultant Clinical Neuropsychologist**  
**Re:Cognition Health**

Dr Pradhan is a British Psychological Society (BPS) chartered and HCPC registered Clinical Psychologist with a post-graduate diploma and qualification in Clinical Neuropsychology (QiCN). She also has full membership of the Division of Neuropsychology and is on the (BPS) Specialist Register for Neuropsychologists. After completing a doctorate at Manchester University, where she undertook a specialist placement at Greater Manchester Neuroscience Centre, she worked in stroke rehabilitation. Following this, she took up a position as Clinical Neuropsychologist at the National Hospital for Neurology and Neurosurgery.

Dr Pradhan has been integral in the development, running and evaluation of individual and group based neuropsychological interventions for patients with a variety of neurological conditions and impairments. These include acquired brain injury (e.g. Stroke, Traumatic Brain Injury) as well as degenerative disorders (e.g. Alzheimer's, Parkinson's Multiple Sclerosis). Therapeutic approaches that she uses are Acceptance and Commitment Therapy (ACT), Solution Focused Therapy as well as Cognitive Behavioural Therapy (CBT). She currently takes a lead position for Stroke Services in a Neuro Community Rehabilitation setting and works closely with Multi-disciplinary colleagues to advise and assist individuals' return to work whom have neurological and long term conditions.

Dr Pradhan has specialist expertise in differential diagnosis and neuropsychological testing of neurodegenerative disorders. She has provided assessments and recommendations to the General Medical Council (GMC) on fitness to practice cases, to insurance companies on individuals' ability to return to work following brain injury and expert opinion in complex medicolegal cases. Dr Pradhan regularly undertakes mental capacity assessments and makes recommendations to court.



**Dr Paul Butler MRCP FRCR**

**Consultant Neuroradiologist**

Dr Paul Butler is a Consultant Neuroradiologist in full time private practice. He retired from Barts Health NHS trust after 26 years, having a major interest in vascular interventional neuroradiology. He has been an examiner for the Royal College of Radiologists, (parts 1 and 2 of the FRCR diploma) and has lectured and taught in the UK and abroad.

He has been preparing medico-legal reports for over 20 years on a wide range of personal injury and medical negligence issues in adults and children, acting for both claimants and defendants.

Particular interests include spinal conditions, stroke, cerebrovascular disease and birth injury.



**Iona Meeres-Young**

**Partner**  
**Fieldfisher**

Iona is a partner in the Medical Negligence team at Fieldfisher. She is on the specialist Law Society Clinical Negligence Panel and an accredited expert in acting for the victims of medical accidents. Iona read medicine at university and combines this with her legal knowledge to meticulously analyse each individual case. She seeks to maximise compensation and secure early interim payments to help those who have suffered as a result of medical negligence to rebuild their lives through rehabilitation, getting the best possible care and moving to suitable accommodation. Iona has particular expertise in brain injury, in particular brain injury arising from traumatic birth. She represents a number of children with cerebral palsy.

# The Big Picture

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The cost is:

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As part of ABI Solutions ongoing commitment to dissemination of knowledge and improved practice across the sector we are pleased to offer a limited number of subsidised places to students, NHS or Social Care Staff as well as representatives from the charitable sector. Please contact Jason Shelley on 020 8763 2963 to discuss.

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## BOOKING CONTACT

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### Delegate details (These can be supplied at a later date if required)

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Email
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Job title
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