

Neurosurgery Update & Dissection Courses 2016
30th September – 9th October 2016
10 days
Courses Faculty

| | |
|---------------------------|---|
| Abbasi, Khalid | Senior Associate Specialist, Department of Neurosurgery University Hospitals Coventry & Warwickshire, Coventry, England |
| Ahmed, Shahzada | Consultant ENT Surgeon & Skull Base Surgeon, University Hospitals Birmingham Queen Elizabeth Hospital, Birmingham, England |
| Alalade, Andrew | Senior SPR, National Hospital for Neurology & Neurosurgery Queen Square, London, England |
| Albenese, Erminia | Consultant Neurosurgeon, University Hospital of North Midlands, Royal Stoke University Hospital, Stoke, England |
| Allroggen, Holger | Consultant Neurologist & Clinical Director, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Ameen, Ameen | Consultant Neurosurgeon, (Retired) University Hospitals Birmingham Queen Elizabeth Hospital, Birmingham, England |
| Amit, Amit | Locum Consultant Neurosurgeon, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Aquilina, Kristian | Consultant Paediatric Neurosurgeon, Great Ormond Street Hospital for Children, London, England |

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| Arvin, Babak | Consultant Neurosurgeon & Spinal Surgeon, Barking, Havering University Hospital Queen's Hospital, Greater London, England |
| Ashkan, Keyoumars | Professor of Neurosurgery, King's College Hospital NHS Foundation Trust King's College Hospital, London |
| Ashpole, Richard | Consultant Neurosurgeon, Nottingham University Hospitals NHS Trust, Queen's Medical Centre, Nottingham, England |
| Arzoglou, Vasileios | Consultant Neurosurgeon, Hull & East Yorkshire Hospitals, Hull Royal Infirmary, Hull, England |
| Bacon, Andrew | Consultant Neurosurgeon, Sheffield Teaching Hospitals Royal Hallamshire Hospital, Sheffield, England |
| Bassi, Sanjeev | Consultant Neurosurgeon, King's College Hospital NHS Foundation Trust King's College Hospital, London |
| Bassford, Chris | Consultant Intensive care, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Belhag, Mohamed | Senior Associate Specialist, Neurology, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Belli, Antonio | Professor of Neurosurgery, University Hospitals Birmingham Queen's Elizabeth Hospital, Birmingham, England |
| Beltechi, Radu | Consultant Neurosurgeon & Skull Base Surgeon, Course Co-Director University Hospitals Coventry & Warwickshire, Walsgrave Hospital, Coventry, England |
| Bhat, Ashok | Consultant Neurosurgeon, Salford Royal NHS Foundation Trust, Manchester, England |

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|---------------------------|---|
| Bhattacharyya, Dev | Consultant Neurosurgeon, Sheffield Teaching Hospitals Royal Hallamshire Hospital, Sheffield, England |
| Bodkin, Peter | Consultant Neurosurgeon, Aberdeen Royal Infirmary, Aberdeen, Scotland |
| Brodbelt, Andrew | Consultant Neurosurgeon, The Walton Centre NHS Foundation Trust, Walton Centre, Liverpool, England |
| Brown, Ian | Professor & Consultant Clinical Oncologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Brydon, Howard | Consultant Neurosurgeon, University Hospital of North Midlands, Royal Stoke University Hospital, Stoke, England |
| Bullock, Peter | Consultant Neurosurgeon, King's College Hospital NHS Foundation Trust King's College Hospital, London |
| Bukhari, Shafqat | Consultant Neurosurgeon, Salford Royal NHS Foundation Trust, Manchester, England |
| Castanho Pedro | Consultant Neurosurgeon, Hull Royal Infirmary, Hull, England |
| Carey, Martyn | Consultant Neuropathologist, University Hospital Birmingham Queen Elizabeth Hospital, Birmingham, England |
| Carroll, Thomas | Consultant Neurosurgeon, Sheffield Teaching Hospitals Royal Hallamshire Hospital, Sheffield, England |

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| Chelvarajah Ramesh | Consultant Neurosurgeon & Functional Surgery, University Hospitals Birmingham Queen Elizabeth Hospital, Birmingham, England |
| Chopra, Iqroop | Consultant Spinal Surgeon, University Hospital of Wales, Cardiff, Wales |
| Corns, Robert | Consultant Neurosurgeon, Leeds Teaching Hospitals NHS Trust, Leeds General Infirmary, Leeds, England |
| Correa Robin | Consultant Neuro-anaesthetist & Pain Management, University Hospitals Coventry & Warwickshire Walsgrave Hospital. Coventry, England |
| Critchley, Giles | Consultant Neurosurgeon & Spinal Surgeon, Brighton and Sussex University Hospitals, Princess Royal Hospital, Sussex, England |
| Cruickshank, Garth | Professor of Neurosurgery, University Hospital Birmingham Queen Elizabeth Hospital, Birmingham, England |
| Daniel Jacqueline | Neurosurgery Theatres Sister, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Dardis, Ronan | Consultant Neurosurgeon, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| David, Karoly | Consultant Neurosurgeon, Barking, Havering University Hospital Queen's Hospital, Greater London, England |
| Dhillon, Manpreet | Consultant Interventional Radiologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |

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| Dudkowsky, Bernice | Consultant Critical Care, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| D'urso, Pietro | Consultant Neurosurgeon, Salford Royal NHS Foundation Trust, Manchester, England |
| Elias, Tony | Consultant Neurosurgeon & Paediatric Neurosurgeon, Brighton and Sussex University Hospitals, Princess Royal Hospital, Greater London |
| El-Maghraby, Hussien | Consultant Neurosurgeon, Course Director, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Eralil, George | Consultant Neurosurgeon, University Hospital of Wales, Cardiff, Wales |
| Evans, Jyoti | Clinical Psychologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Farah Osman, Jibril | Consultant Neurosurgeon, The Walton Centre NHS Foundation Trust, Walton Centre, Liverpool, England |
| Flannery, Tom | Consultant Neurosurgeon, Royal Victoria Hospital, Belfast, Northern Ireland |
| Foroughi, Mansour | Consultant Neurosurgeon, Brighton and Sussex University Hospitals, Princess Royal Hospital, Sussex, England |
| Fowler, John | Consultant Spinal Surgeon Sarum Road Hospital, BMI, Winchester, England |
| Fresco, Lydia | Consultant Clinical Oncologist & Lead Clinician, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |

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| Fuschi, Maurizio | Consultant Interventional Neuro-radiologist, Hull Royal Infirmary, Hull |
| Ganesalingham, Narenthiran | Consultant Neurosurgeon, Royal London Hospital St Bartholomew's Hospital, London, England |
| Ghosh, Kaushik | Consultant Neurosurgeon, Lancashire Teaching Hospitals NHS Trust, Royal Preston Hospital, Preston, England |
| Goodden, John | Consultant Neurosurgeon, Leeds Teaching Hospitals NHS Trust, Leeds General Infirmary, Leeds, England |
| Green, Alexander | Consultant Neurosurgeon, Oxford University Hospitals John Radcliffe Hospital, Oxford, England |
| Grivas, Athanasios | Consultant Neurosurgeon, Queen Elizabeth University Hospital, Glasgow, Scotland |
| Hardwidge, Carl | Consultant Neurosurgeon, Brighton and Sussex University Hospitals, Princess Royal Hospital, Sussex, England |
| Hayhurst, Caroline | Consultant Neurosurgeon, University Hospital of Wales, Cardiff, Wales |
| Hocking, Mark | Consultant Clinical Oncologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Hopwood, Audrey | Clinical Specialist Nurse, Neuro-Oncology, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |

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| Howe David | Consultant ENT & Skull Base Surgeon, Heartlands Hospital, Heart of England NHS Trust, Birmingham, England |
| Hussain Rahim | Locum Consultant Neurosurgeon & Spinal Surgeon, University Hospitals Coventry & Warwickshire, Walsgrave Hospital, Coventry, England |
| Jackson, Richard | Consultant Critical Care & Neuro Anaesthetics, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| James, Gregory | Consultant Paediatric Neurosurgeon, Great Ormond Street Hospital for Children, London, England |
| Joshi, Shabin | Consultant Neurosurgeon, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Kamel, Mahmoud | Consultant Neurosurgeon & Skull Base Surgeon Aberdeen Royal Infirmary, Aberdeen, Scotland |
| Kandar, Digant | Consultant Neurosurgeon, Leeds Teaching Hospitals NHS Trust, Leeds General Infirmary, Leeds, England |
| Kazmi, Zahid | Consultant Neuro Anaesthetics, University Hospitals Coventry & Warwickshire Clifford Bridge Road, Coventry, England |
| Kenton, Anthony | Consultant Neurologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Khurana, Rajesh | Consultant Neuro-Rehabilitation, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |

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| King, Andrew | Professor of Neurosurgery, Salford Royal NHS Foundation Trust, Manchester, England |
| Kirollos, Ramez | Consultant Neurosurgeon, Addenbrooke's Hospital Cambridge University Hospitals, Cambridge, England |
| Klein, Olivier | Professor of Paediatric Neurosurgery, Hôpital d'Enfants – CHU Nancy, France |
| Kockro, Ralf | Consultant Neurosurgeon, Hirslanden Hospital, Zürich, Switzerland |
| Kothare, Priya | Consultant Neuro Anaesthetics, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Kumar, Dhushy | Consultant Critical Care & Neuro Anaesthetics, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Leach, Paul | Consultant Neurosurgeon, University Hospitals of Wales, Cardiff, Wales |
| Lindahl, Andrea | Consultant Neurologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Low Sheng Chen | Neuro-Radiology & Nuclear Medicine, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| MacArthur, Donald | Consultant Adult & Paediatric Neurosurgeon, Nottingham University Hospitals NHS Trust, Queens Medical Centre, Nottingham, England |

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| Magdum, Shaliendra | Consultant Paediatric Neurosurgeon, Oxford University Hospitals John Radcliffe Hospital, Oxford, England |
| Mahmood, Asif | Consultant Vascular Surgeon, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Malik, Irfan | Consultant Neurosurgeon, Kings' College Hospital NHS Foundation Trust King's College Hospital, London |
| McBride Deborah | Neuroscience Matron, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| McKintosh, Edward | Consultant Neurosurgeon, The Royal London Hospital, London, England |
| Metcalf, Stephen | Consultant Neurosurgeon, University Hospital Birmingham, Queen Elizabeth Hospital, Birmingham, England |
| Mehta, Hiten | Consultant Neuro Radiologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Mendonca, Cyprian | Consultant Anaesthesia, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Mukerji Nitin | Consultant Neurosurgeon, South Tees University Hospitals James Cook University Hospital, Middlesbrough, England |
| Munthali, Peter | Consultant Microbiologist & Lead Clinician, Director of Infection Prevention & Control University Hospital Coventry & Warwickshire, Coventry, England |
| Nagaraja, Sanjoy | Consultant Neuro Radiologist & Clinical Director, University Hospitals Coventry & Warwickshire, Walsgrave Hospital, Coventry, England |

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| Nagaraju, Santhosh | Consultant Neuropathologist, University Hospital Birmingham Queen Elizabeth Hospital, Birmingham, England |
| Nair, Ramesh | Consultant Neurosurgeon, Imperial College Healthcare NHS Trust, Charing Cross Hospital, London, England |
| Nannapaneni, Ravindra | Consultant Neurosurgeon, University Hospitals of Wales, Cardiff, Wales |
| Paluzzi, Alessandro | Consultant Neurosurgeon, University Hospital Birmingham, Queen Elizabeth Hospital, Birmingham, England |
| Patel, Umang | Consultant Neurosurgeon & Neurovascular Surgeon, Oxford University Hospitals John Radcliffe Hospital, Oxford, England |
| Patteril, Mathew | Consultant Neuro Anaesthetics, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Pollock, Jonathan | Consultant Neurosurgeon, Barking, Havering University Hospital, Queen's Hospital, Greater London, England |
| Price, Louise | Consultant Neuro-Psychologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Price, Stephen | Consultant Neurosurgeon, Addenbrooke's Hospital Cambridge University Hospitals, Cambridge, England |
| Pushpanathan, Suresh | Consultant Neurosurgeon, Royal London Hospital St Bartholomew's Hospital, London, England |

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| Quigley, Gavin | Consultant Neurosurgeon, Royal Victoria Hospital, Belfast, Northern Ireland |
| Ray, Alok | Senior Associate Specialist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Rajaraman, Chittoor | Consultant Neurosurgeon, Hull Royal Infirmary, Hull, England |
| Rowe, Jeremy | Consultant Neurosurgeon & Gamma Knife Surgeon Sheffield University Hospitals, Royal Hallamshire Hospital, Sheffield, England |
| Rutherford, Scott | Consultant Neurosurgeon, Salford Royal NHS Foundation Trust, Manchester, England |
| Sabel, Michael | Professor of Neurosurgery, Universitätsklinikum. Dusseldorf, Germany |
| Sankar, Sailesh | Consultant Endocrinologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Santarius, Thomas | Consultant Neurosurgeon, Addenbrooke's Hospital, Cambridge, England |
| Sedaghat, Pantea | Consultant Neuro-physiologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Selway, Richard | Consultant Neurosurgeon, King's College Hospital London, England |

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| Shad Amjad | Professor & Consultant Neurosurgeon & Skull Base Surgeon University Hospitals Coventry & Warwickshire, Walsgrave Hospital, Coventry, England |
| Shehu Abdullah | Consultant Neurologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Sherlala, Khalid | Consultant Neuro Radiologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Shieff, Colin | Consultant Neurosurgeon, University Hospital London National Hospital for Neurology & Neurosurgery. London, England |
| Siddique, Shahid | Consultant Neurosurgeon, Course Co-Director, Post Graduate Tutor University Hospitals Coventry & Warwickshire, Walsgrave Hospital, Coventry, England |
| Solanki, Guirish | Consultant Paediatric Neurosurgeon, Birmingham Children's Hospitals NHS Trust, Birmingham Children's Hospital, Birmingham, England |
| Stanworth, Peter OBE | Retired Consultant Neurosurgeon & Lt Colonel in the Royal Army Medical Corps Territorial Army , Coventry, England |
| Statham, Patrick | Consultant Neurosurgeon, Western General Hospital, Edinburgh, Scotland |
| Thomas, Antony | Consultant Neurologist, University Hospitals Coventry & Warwickshire Walsgrave Hospital, Coventry, England |
| Thorne, Lewis | Consultant Neurosurgeon, University Hospital London National Hospital for Neurology & Neurosurgery, London, England |
| Tolias, Christos | Consultant Neurosurgeon & Neurovascular Surgeon King's College Hospital, London |

Toma Ahmed Consultant Neurosurgeon, University Hospital London
National Hospital for Neurology & Neurosurgery, London, England

Townsend, Roger Consultant Critical Care & Neuro Anaesthetics, University Hospitals Coventry & Warwickshire
Walsgrave Hospital, Coventry, England

Trivedi, Rikin Consultant Neurosurgeon, Addenbrooke's Hospital
Cambridge University Hospitals, Cambridge, England

Tzerakis, Nikolaos Consultant Neurosurgeon, University Hospital North Staffordshire
Stoke-on-Trent, England

Uff, Chris Consultant Neurosurgeon, Royal London Hospital
St Bartholomew's Hospital, London, England

Vloeberghs, Michael Consultant Paediatric Neurosurgeon, Nottingham University Hospitals NHS Trust,
Queens Medical Centre, Nottingham, England

Walsh, Daniel Consultant Neurosurgeon & Neurovascular Surgeon
King's College Hospital, London, England

Walton, Gary Consultant Head & Neck Surgeon, University Hospitals Coventry & Warwickshire
Walsgrave Hospital, Coventry, England

Wellings, Richard Consultant Radiologist, University Hospitals Coventry & Warwickshire
Walsgrave Hospital, Coventry, England

White, Anwen Consultant Neurosurgeon, University Hospital Birmingham
Queen Elizabeth Hospital, Birmingham, England

Whitfield, Peter Consultant Neurosurgeon, Plymouth Hospitals NHS Trust
Plymouth, England

Wilson, Mark Consultant Neurosurgeon, Imperial College Healthcare NHS Trust,
Charing Cross Hospital, London, England

Wynne-Jones, Guy Consultant Neurosurgeon, Newcastle Upon Tyne Hospitals NHS Trust,
Royal Victoria Infirmary, Newcastle, England

Wyse Mathew Consultant Anaesthesia, Clinical Lead, Trauma, University Hospitals Coventry & Warwickshire
Walsgrave Hospital, Coventry, England

Yasin, Naveed Consultant Spinal Surgeon, Salford Royal NHS Foundation Trust
Manchester, England

Yeh, John Consultant Neurosurgeon, Spire Dunedin Hospital,
Reading, England

Yianni, John Consultant Neurosurgeon & Gamma Knife Surgeon, Sheffield University Hospitals
Royal Hallamshire Hospital, Sheffield, England

Neurosurgery Dissection Course
30th September – 2nd October 2016

Day One

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| | Lectures |
| Registration | 07:30 - 08:00 |
| Introduction to the Course | 08:00 – 08:15 |
| Cranial Approaches | 08:15 – 10:45 |
| | Convexity and Parasagittal Approaches |
| | Pterional Craniotomy |
| | Frontal and Bifrontal Craniotomy |
| | Orbitozygomatic Approach |
| | Eyebrow Approach |
| | Translabyrinthine Approach |
| | Retrosigmoid Approach |
| | Midline Suboccipital Approach |
| Tea & Coffee Break | 10:45 – 11:00 |
| Intracranial Tumour Surgery | |
| | Glioma Surgery |
| | Meningioma Surgery |
| | Intraventricular Tumours |
| Lunch & Group Photo | 12:30 -13:00 |

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| Skull Base Surgery | |
| | Anatomy of Nasal Sinus |
| | Endoscopic Skull Base Surgery |
| Cranial Trauma Surgery | |
| | Decompressive Craniectomy |
| Cerebrovascular Surgery | |
| | Aneurysmal Surgery |
| | Cavernous Malformation Surgery |
| | Resection of arteriovenous malformation |
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| | Principles & Techniques |
| Tea & Coffee Break | 17:45 – 18:00 |
| Trigeminal Neuralgia | |
| | Percutaneous Lesioning |
| | Microvascular Decompression |
| Epilepsy | |
| | Temporal Lobectomy |
| | Amygdalohippocampectomy |
| | Hemispherotomy |
| | Vagal Nerve Stimulation |
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| | Evaluation Sheet Collection Questions & Answers |
| | 18:00 – 20:00 Evening Seminar By Medtronic For Cranial and Spinal Navigation |

Day Two

| | Laboratory dissection |
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| Introduction to hands-on workshops | 08:00 – 08:15 |
| The Pterional Craniotomy | 08:15 – 10:15 |
| Cadaveric exercise | <ul style="list-style-type: none"> • Cranial bony landmarks • Relevant anatomy of skull and dura including middle meningeal vessels. • Cortical anatomy of frontal and temporal lobe • Anatomy of proximal Sylvian fissure • Anatomy of proximal internal carotid artery, optic nerve, anterior clinoid, and oculomotor nerve • Temporal Lobectomy & Amygdalohippocampectomy |
| Tea & Coffee Break | 10:15 – 10:30 |
| Orbitozygomatic Craniotomy | 10:30 – 12:30 |
| Cadaveric exercise | <ul style="list-style-type: none"> • Orbitozygomatic bony landmarks • Techniques of bony removal • Drilling of the Anterior Clinoid Process • Dural opening • Exposure of Olfactory, Optic Nerves • Exposure of Internal Carotid artery • Exposure of Orbital fissures • Opening of Sylvian Fissure • Exposure of Middle Cerebral artery • Lateral wall of Cavernous sinus |
| Lunch Break Group Photo | 12:30 – 13:00 |

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| Supraorbital Craniotomy | 13:00 - 14:30 |
| Cadaveric Exercise | <ul style="list-style-type: none"> • Microsurgical anatomy • Placing bur-holes, craniotomies • Handling the frontal sinus • Opening the dura & brain retraction • Handling of bridging veins • Identification of olfactory tracts, optic nerves and anterior cerebral artery complex. |
| Bifrontal Craniotomy | 14:30 – 16:00 |
| Cadaveric Exercise | <ul style="list-style-type: none"> • Bifrontal craniotomy • Extradural and intradural approach to anterior fossa with identification of olfactory tracts, optic nerves and anterior cerebral artery complex. • Formal division of anterior Sagittal sinus • Exposure of the Third Ventricle • Exenteration of frontal air sinuses • Exteriorisation of sinuses with vascularised pericranial flap • Bone flap replacement with various fixation techniques |
| Tea & Coffee Break | 16:00 – 16:15 |
| Parasagittal Craniotomy | 16:15 – 18:15 |
| Cadaveric Exercise | <ul style="list-style-type: none"> • Placing bur-holes, craniotomies • Handling the sinus • Opening the dura, handling of bridging veins • Identification of Peri-callosal vessels • Transcallosal approach to lateral and third ventricles |
| End of Day & Evaluation Sheets | 18:15 – 18:30 |
| Course Dinner | 20:00 – 22:30 All Welcome Hilton Hotel , Coventry |

Day Three

| | Laboratory dissection |
|---|---|
| Introduction to hands-on workshops | 08:00 – 08:15 |
| Midline Suboccipital Approach | 08:15 – 10:15 |
| Cadaveric Exercise | <ul style="list-style-type: none"> • Bony landmarks • Identification of venous sinuses • Cerebellar Exposure & Splitting of Vermis • Identification of neural triangles in the floor of fourth ventricle |
| Tea & Coffee Break | 10:15 – 10:30 |
| Lateral Suboccipital Approach | 10:30 – 12:30 |
| Cadaveric Exercise | <ul style="list-style-type: none"> • Bony Landmarks • Bur-holes positioning • Craniotomy & Craniectomy • Handling of the sinus • Opening the dura • Decompression by CSF-release • Retraction of the Cerebellum • Identification of Cranial nerves • Identification of vascular structures |
| Lunch Break Group Photo | 12:30 – 13:00 |

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| Anterior Cervical Approach | 13:00 – 15:00 |
| Cadaveric Exercise | <ul style="list-style-type: none"> • Approach to the Neck & vascular Structures • Relationship to vertebral artery & cervical roots • Anterior cervical dissection with discectomies • Identification of dura and roots • Implants: cages, stand Alone Cages & Plates • Plates & Screw • Artificial Disc Replacement |
| Tea & Coffee Break | 15:00 – 15:15 |
| Posterior Cervical Approach | 15:15 – 17:15 |
| Cadaveric Exercise | <ul style="list-style-type: none"> • Cervical laminectomy and posterior foraminotomy • Dissection along cervical roots to establish relationship posteriorly with facet joints and anteriorly with uncoverterbral joints and cervical discs. • Implants: Laminoplasty • Principles of Lateral mass fixation |
| End of Day & Evaluation Sheets | 17:15 – 17:30 |

Hands On & Products Demonstration



Monday 3rd October 2016

| Time | Speaker | Topic | Hospital | Division |
|---------------|-------------------------|--|---|---------------------|
| 08:00 - 08:30 | Registration | Registration | University Hospitals, Coventry | |
| 08:30 – 08:45 | House Keeping | Introduction to the Speakers of the Day | University Hospitals, Coventry | |
| 08:45– 09:00 | Mr Gary Walton | Malignant Skull Base Tumours: The Modal Management Strategies | University Hospitals, Coventry | Skull Base Surgery |
| 09:00 - 09:15 | Mr Richard Selway | Epilepsy: Clinical & radiological assessment | King’s College Hospital, London | Epilepsy |
| 09:15 – 09:30 | Mr Richard Selway | Epilepsy: Surgical planning | King’s College Hospital, London | Epilepsy |
| 09:30 – 09:45 | Mr Nikolaos Tzerakis | Spinal Tumours: Clinical & Radiological Evaluation | University Hospitals of North Midlands, Stoke | Spinal Surgery |
| 09:45 – 10:00 | Mr Nikolaos Tzerakis | Spinal Tumours: The Multi Modal Management Strategy | University Hospitals of North Midlands, Stoke | Spinal Surgery |
| 10:00 – 10:15 | Mr Peter Stanworth, OBE | Neurosurgery in Battlefield | University Hospitals, Coventry | Head Trauma |
| 10:15 – 10:30 | Mr Peter Bodkin | Trigeminal neuralgia: Clinical & diagnostic evaluation | Aberdeen Royal Infirmary, Aberdeen, Scotland | Pain & Neurosurgery |
| 10:30 – 10:45 | Mr Peter Bodkin | Trigeminal neuralgia: Management | Aberdeen Royal Infirmary, Aberdeen, Scotland | Pain & Neurosurgery |
| 10:30 - 10:45 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |

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| 10:45 - 11:00 | Mr Shahzada Ahmed | Principles of Endoscopic Skull Base Surgery | University Hospitals, Birmingham | Skull Base Surgery |
| 11:00 - 11:15 | Mr Shahzada Ahmed | Reconstruction following Extended Endoscopic Skull Base Surgery | University Hospitals, Birmingham | Skull Base Surgery |
| 11:15 - 11:30 | Mr Shahzada Ahmed | Endoscopic Skull Base & Sagittal Plan: Indications | University Hospitals, Birmingham | Skull Base Surgery |
| 11:30 – 11:45 | Mr Shahzada Ahmed | Endoscopic Skull Base & Coronal Plan: Complications | University Hospitals, Birmingham | Skull Base Surgery |
| 11:45 – 12:00 | Professor Amjad Shad | Pituitary Tumours: When to operate? | University Hospitals, Coventry | Skull Base Surgery |
| 12:00 - 12:15 | Mr Chittoor Rajaraman | Neuronal-Glial Tumours: Clinical Presentations & Diagnostic Evaluation | Hull Royal Infirmary, Hull | Neuro-oncology |
| 12:15 – 12:30 | Mr Chittoor Rajaraman | Neuronal-Glial Tumours: Surgical Planning & Challenges | Hull Royal Infirmary, Hull | Neuro-oncology |
| 12:30 - 13:00 | Group Photo Lunch Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 13:00 - 13:15 | Dr Andrea Lindhal | Diagnosis & Management of Parkinson’s Disease | University Hospitals, Coventry | Neurology- Functional |
| 13:15 - 13:30 | Professor Antonio Belli | Traumatic Brain Injuries: Current & Future | University Hospitals, Birmingham | Head Trauma |
| 13:30- 13:45 | Professor Antonio Belli | Traumatic Brain Injury: Management Update | University Hospitals, Birmingham | Head Trauma |
| 13:45 – 14:00 | Dr Peter Munthali | Postoperative CSF infection | University Hospital, Coventry | Microbiology |


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| 14:00 - 14:15 | Mr Peter Stanworth, OBE | Penetrating & Gunshot Head Injuries | University Hospitals, Coventry | Head Trauma |
| 14:15 – 14:30 | Mr Lewis Thorne | Cerebrospinal Fluid Dynamics | National Hospital for Neurosurgery, London | Hydrocephalus |
| 14:30 – 14:45 | Mr Lewis Thorne | Hydrocephalus Update | National Hospital for Neurosurgery, London | Hydrocephalus |
| 14:45 – 15:00 | Miss Erminia Albanese | Brain Mapping: Current & Future Update | University Hospitals of North Midlands, Stoke | Neuro-oncology |
| 15:15 – 15:30 | Miss Erminia Albanese | Surgery of the Tumours of the Supplementary Motor Area | University Hospitals of North Midlands, Stoke | Neuro-oncology |
| 15 :30 – 15:45 | Dr Holger Allroggen | Epilepsy | University Hospital, Coventry | Neurology |
| 15:45 – 16:00 | Dr Holger Allroggen | Epilepsy & Anti-epileptics in Neurosurgery | University Hospital, Coventry | Neurology |
| 16:00 – 16:15 | Dr Mark Hocking | Metastatic Spinal Cord Compression: The Multi Modal Management | University Hospital, Coventry | Spine Surgery |
| 16:15 – 16:30 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 16:30 - 16:45 | Dr Cyprian Mendonca | Pearls of Airway management in neurosurgery | University Hospital, Coventry | Neuro-anaesthesia |
| 16:45 – 17:00 | Mr Stephen Metcalfe | Cauda Equina Syndrome: Clinical & Diagnostic Evaluation | University Hospitals, Birmingham | Spine Surgery |
| 17:00 - 17:15 | Mr Stephen Metcalfe | Cauda Equina Syndrome: Surgical Planning & Challenges | University Hospitals, Birmingham | Spine Surgery |

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| 17:15 – 17:30 | Mr Ameen Ameen | The golden hours in Cauda Equina Syndrome | University Hospitals, Birmingham | Spine Surgery |
| 17:30 – 17:45 | Mr Ameen Ameen | Avoiding Litigations in Spinal Surgery | University Hospitals, Birmingham | Spine Surgery |
| 17:45 - 18:00 | Mr Guy Wynne-Jones | Principles of Thoraco-lumbar Instrumentation | Royal Victoria Infirmary Newcastle | Spinal Surgery |
| 18:00 – 18:15 | Mr Guy Wynne-Jones | Minimal Invasive Spine Surgery: principles & applications | Royal Victoria Infirmary Newcastle | Spinal Surgery |
| 18:00 – 18:15 | Mr Amit Amit | Complication in Spinal Surgery | University Hospital, Coventry | Spine Surgery |
| 18:15 - 18:30 | Professor Michael Sabel | Maximum tumour resection: Advances & Challenges | Dusseldorf, Germany | Neurosurgery |
| 18:30 – 18:45 | Professor Michael Sabel | Eloquent located brain gliomas: Present & Future Management | Dusseldorf, Germany | Neurosurgery |
| 18:45 – 19-00 | End of the day | Evaluation Sheet Collection | | |

19:00-21:00

Evening Seminar


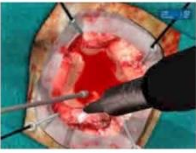
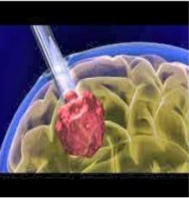






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neurosurgery update course

3rd – 9th October 2016
Neuroscience Department, University Hospital,
Coventry, United Kingdom



Professor Dr Michael Sabel
Professor of Neurosurgery
Germany
&
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Evening Seminar
Monday
3rd October 2016
18:30 -20:30
Product Demonstration & Hands On
Ultrasonic Aspiration and Brain
Tumour Resection
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Tuesday 4th October 2016

| Time | Speaker | Topic | Hospital | Division |
|---------------|----------------------------|--|---------------------------------|----------------------|
| 08:30 - 08:45 | House Keeping | Introduction to the Speakers of the Day | University Hospitals, Coventry | |
| 08:45 - 09:00 | Dr Andrew Phillips | Consent & Neurosurgery | University Hospitals, Coventry | Neuro anaesthesia |
| 09:00 - 09:15 | Dr Sanjoy Nagaraja | Imaging of Arteriovenous malformations & fistulas | University Hospitals, Coventry | Neuroradiology |
| 09:15 – 09:30 | Dr Sanjoy Nagaraja | Advances in Neuro-endovascular interventions | University Hospitals, Coventry | Neuroradiology |
| 09:30 – 09:45 | Professor Keyoumars Ashkan | Malignant Brain Tumours: Update | King's College Hospital, London | Neurosurgery |
| 09:45 – 10:00 | Professor Keyoumars Ashkan | Deep brain Stimulation: Current & future | King's College Hospital, London | Neurosurgery |
| 10:00 – 10:15 | Dr Maurizio Fuschi | Understanding cerebral angiography | Hull Royal Infirmary, Hull | Neuro-radiology |
| 10:15 – 10:30 | Dr Maurizio Fuschi | Stroke & radiological interventions | Hull Royal Infirmary, Hull | Neuro-Radiology |
| 10:30 – 10:45 | Dr Rajesh Khurana | Dysreflexia & Spinal Cord Injury | University Hospitals, Coventry | Neuro-rehabilitation |
| 10:15 – 10:30 | Dr Zahid Kazmi | Neuro anaesthesia & awake craniotomies | University Hospitals, Coventry | Neuro anaesthesia |
| 10:30 - 10:45 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |

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|---------------|------------------------------------|--|---|----------------|
| 10:45 – 11:00 | Mr Richard Ashpole | Simulation & Training in Neurosurgery | University Hospital, Nottingham | Neurosurgery |
| 11:00 – 11:15 | Dr Peter Munthali | Antibiotics & Neurosurgery | University Hospitals, Coventry | Microbiology |
| 11:15 – 11:30 | Mr Ramesh Chelvarajah | Temporal Lobe Epilepsy: Update & advances | University Hospitals, Birmingham, England | Epilepsy |
| 11:30 - 11:45 | Dr Ion Boiangiu | Principles of Chemotherapy & Gliomas Management | University Hospital, Coventry | Neuro-oncology |
| 11:45 - 12:00 | Dr Ion Boiangiu | Metastatic Brain Tumours: The Oncological Management | University Hospital, Coventry | Neuro-oncology |
| 12:00 - 12:15 | Mr Athanasios Grivas | Temporal Lobe Epilepsy: Clinical & Diagnostic Evaluation | Southern General Hospital, Glasgow, Scotland | Epilepsy |
| 12:15 – 12:30 | Mr Athanasios Grivas | Temporal lobe epilepsy: Surgical planning & challenges | Southern General Hospital, Glasgow, Scotland | Epilepsy |
| 12:30 - 13:00 | Group Photo Lunch Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 3:00 - 13:15 | Mr Jonathan Pollock | Surgical Management of Meningioma – lessons from a large series | Barking, Havering University Hospitals, Greater London | Neuro-oncology |
| 13:15 -13:30 | Mr Jonathan Pollock | The Results of Non-Operative Management of Meningioma | Barking, Havering University Hospitals, Greater London | Neuro-oncology |
| 13:30 - 13:45 | Mr Mansoor Foroughi | Chiari Malformation: Pathophysiology | Brighton and Sussex University Hospitals, Sussex, England | Neurosurgery |
| 13:45 - 14:00 | Mr Mansoor Foroughi | Chiari Malformation: Management | Brighton and Sussex University Hospitals, Sussex, England | Neurosurgery |

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|---------------|-----------------------|--|---|-------------------------|
| 14:00 - 14:15 | Mr Mansoor Foroughi | Cavernous Malformation: Contemporary strategies of management | Brighton and Sussex University Hospitals, Sussex, England | Neurosurgery |
| 14:45 - 14:30 | Mrs Anwen White | Surgical Treatment of Parkinson's Disease | University Hospitals, Birmingham | Functional Neurosurgery |
| 14:30 - 14:45 | Mrs Anwen White | Deep Brain Stimulation: Current & Future | University Hospitals, Birmingham | Functional Neurosurgery |
| 14:45 - 15:00 | Mr Jibril Osman Farah | Trigeminal Neuralgia: Clinical & diagnostic evaluation & surgical management | Walton Centre, Liverpool | Pain & Neurosurgery |
| 15:00 - 15:15 | Mr Jibril Osman Farah | Eloquent Brain Tumours: Diagnostic evaluation | Walton Centre, Liverpool | Neuro-oncology |
| 15:15 - 15:30 | Mr Jibril Osman Farah | Eloquent Brain Tumours: Surgical planning | Walton Centre, Liverpool | Neuro-oncology |
| 15:30 - 15:45 | Mr Andrew Bacon | Spinal Arterio-venous Malformations: Classifications | Royal Hallamshire Hospital, Sheffield | Vascular Neurosurgery |
| 15:45 - 16:00 | Mr Andrew Bacon | The Multimodal Management of Spinal Arterio-Venous Malformations | Royal Hallamshire Hospital, Sheffield | Vascular Neurosurgery |
| 16:00 - 16:15 | Dr Richard Wellings | Advances in Imaging in Polytrauma Patients | University Hospitals, Coventry | Neuroradiology |
| 16:15 - 16:30 | Dr Richard Wellings | Advances in Radiology: 3D Images & 3D Printing | University Hospitals, Coventry | Neuroradiology |
| 16:30 - 16:45 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |

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|---------------|-------------------|--|---------------------------------------|--------------------|
| 16:45 - 17:00 | Mr Thomas Carroll | Vestibular Schwannomas The Multi modal treatment | Royal Hallamshire Hospital, Sheffield | Skull Base Surgery |
| 17:00 - 17:15 | Mr Thomas Carroll | Malignant Skull Base tumours: An Update | Royal Hallamshire Hospital, Sheffield | Skull Base Surgery |
| 17:15 - 17:30 | Mr Thomas Carroll | Chiari-related Syringomyelia: Clinical, diagnostic evaluation & management | Royal Hallamshire Hospital, Sheffield | Neurosurgery |
| 17:30 - 17:45 | Mr Jeremy Rowe | Gamma Knife Radiosurgery: Principles | Royal Hallamshire Hospital, Sheffield | Neuro-oncology |
| 17:45 - 18:00 | Mr Jeremy Rowe | Gamma Knife Radiosurgery: Application | Royal Hallamshire Hospital, Sheffield | Neuro-oncology |
| 18:15 –18:30 | Mr Jeremy Rowe | Gamma Knife Radiosurgery & Brain tumours | Royal Hallamshire Hospital, Sheffield | Neuro-oncology |
| 18:30 –18:45 | Mr Jeremy Rowe | Gamma Knife Radiosurgery & Skull Base Tumours | Royal Hallamshire Hospital, Sheffield | Neuro-oncology |
| 18:45 – 19:00 | | Evaluation Sheet Collection | | |

19:00-21:00

Evening Seminar

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3rd – 9th October 2016
Neuroscience Department, University Hospital,
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Evening Seminar
Tuesday
4th October 2016



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Wednesday 5th October 2016

| Time | Speaker | Topic | Hospital | Division |
|---------------|-----------------------------|---|------------------------------------|---------------------|
| 08:30 - 08:45 | House Keeping | Introduction to the Speakers of the Day | University Hospitals, Coventry | |
| 08:45 - 09:00 | Dr Richard Jackson | Ethics & Brain Death | University Hospitals, Coventry | Neuro-Critical Care |
| 09:00 - 09:15 | Dr Khalid Sherlala | Advances in Imaging of Brain Tumours | University Hospitals, Coventry | Neuroradiology |
| 09:15 - 09:30 | Dr Khalid Sherlala | Advances in Imaging of Brain Tumours | University Hospitals, Coventry | Neuroradiology |
| 09:30 – 09:45 | Professor Garth Cruickshank | Oncogenes and Brain Tumours | University Hospitals, Birmingham | Neuro-oncology |
| 09:45 - 10:00 | Professor Garth Cruickshank | An Update on Malignant Brain Tumours | University Hospitals, Birmingham | Neuro-oncology |
| 10:00 - 10:15 | Mr Alessandro Paluzzi | Intra- Ventricular Tumours: Management & Surgical Approaches | University Hospitals, Birmingham | Neuro-oncology |
| 10:15 -10:30 | Mr Alessandro Paluzzi | Contemporary Strategies for Management of Anterior Skull Base Tumours | University Hospitals, Birmingham | Neuro-oncology |
| 10:30 - 10:45 | Tea Break | Sponsors Display Tour -Group Photos | University Hospitals, | |
| 10:45 - 11:00 | Mr Mahmoud Kamel | Awake craniotomies & Brain Tumours | Aberdeen Royal Infirmary, Scotland | Neuro-oncology |
| 11:00 - 11:15 | Mr Mahmoud Kamel | Anterior Skull Base surgery | Aberdeen Royal Infirmary, Scotland | Neurosurgery |

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|---------------|------------------------------------|--|---------------------------------------|-------------------------|
| 11:15 - 11:30 | Dr Louise Price | Principles of Neuropsychology & Neuro-oncology | University Hospitals, Coventry | Neuropsychology |
| 11:30 – 11:45 | Mr Gary Walton | Extended Craniofacial Surgery for Brain Tumours | University Hospitals, Coventry | Head & Neck Surgery |
| 11:45 - 12:00 | Dr Chris Bassford | Ventilation & Neurosurgery | University Hospitals, Coventry | Neuro-Critical Care |
| 12:00 – 12:15 | Mr Paul Leach | Spina Bifida: Pathophysiology & Clinical Presentations | Cardiff, University Hospital of Wales | Paediatric Neurosurgery |
| 12:15 – 12:30 | Mr Paul Leach | Spina Bifida: Surgical Management & Challenges | Cardiff, University Hospital of Wales | Paediatric Neurosurgery |
| 12:30 - 13:00 | Group Photo Lunch Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 13:00 - 13:15 | Dr Hiten Mehta | Advances in Imaging Degenerative Spine | University Hospitals, Coventry | Neuroradiology |
| 13:15 – 13:30 | Dr Hiten Mehta | MRI Spectroscopy & MRI in Brain Tumours | University Hospitals, Coventry | Neuroradiology |
| 13:30 -13:45 | Ms Audrey Hopwood | Survival & Malignant Glioma: Update | University Hospitals, Coventry | Neuro-oncology |
| 13:45 – 14:00 | Mr Howard Brydon | Ruptured Intracranial Aneurysms: Timing for Management & Selection | University Hospital North Midlands | Vascular Neurosurgery |
| 14:00 - 14:15 | Mr Howard Brydon | Fronto-Orbital Approaches: Indications & Principles | University Hospital North Midlands | Neurosurgery |
| 14:15 - 14:30 | Mr Stephen Price | Molecular Markers of Brain Tumours | Addenbrooke's Hospital, Cambridge | Neuro-oncology |

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|---------------|-------------------|--|--|-------------------------|
| 14:30- 14:45 | Mr Stephen Price | Malignant Gliomas: The Multi Modal Management | Addenbrooke's Hospital, Cambridge | Neuro-oncology |
| 14:45 - 15:00 | Mr Ahmed Toma | Idiopathic Intracranial Hypertension: Update | National Hospital for Neurology & Neurosurgery, London | Hydrocephalus |
| 15:00 - 15:15 | Mr Ahmed Toma | The Multi Modal Treatment of Persistent Post Surgical Cerebrospinal Fluid Leak | National Hospital for Neurology & Neurosurgery, London | Neurosurgery |
| 15:15 – 15:30 | Mr John Goodden | Endoscopic surgery & Hydrocephalus | Leeds General Infirmary, Leeds Teaching Hospitals, Leeds | Paediatric Neurosurgery |
| 15:30 – 15:45 | Mr John Goodden | Selective Dorsal Rhizotomy, a treatment for spastic cerebral palsy | Leeds General Infirmary, Leeds Teaching Hospitals, Leeds | Functional Neurosurgery |
| 15:45 – 16:00 | Mr Kaushik Ghosh | Spinal Tumours: Clinical & Radiological Evaluation | Lancashire Teaching Hospitals, Preston | Spinal surgery |
| 16:00 - 16:15 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 16:15 - 16:30 | Mr Kaushik Ghosh | Spinal Tumours: Surgical strategies & challenges | Lancashire Teaching Hospitals, Preston | Spinal Surgery |
| 16:45 – 17:00 | Dr Anthony Kenton | Stroke: Clinical & radiological evaluation | University Hospitals, Coventry | Neurology |
| 17:00 - 17:15 | Dr Anthony Kenton | Occlusion Syndromes: update on management | University Hospitals, Coventry | Neurology |
| 17:15 - 17:30 | Dr John Elton | Anaesthesia & Geriatric Neurosurgery | University Hospitals, Coventry | Neuro-anaesthesia |
| 17:30 - 17:45 | Mr Amit Amit | Navigation & Spinal Surgery : Current & Future | University Hospitals, Coventry | Neurosurgery |

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|---------------|-----------------|---|------------------------------------|---------------|
| 17:45 - 18:00 | Mr Shabin Joshi | Being a Neurosurgeon | University Hospitals, Coventry | Neurosurgery |
| 18:00 - 18:15 | Mr Ronan Dardis | Clinical negligence & Neurosurgery | University Hospitals, Coventry | Neurosurgery |
| 18:15 – 18:30 | Mr John Fowler | Spondylolysis & Spondylolisthesis: Clinical & Diagnostic Evaluation | Sarum Road Hospital, Winchester | Spine Surgery |
| 18:30 – 18:45 | Mr John fowler | Spondylolysis & Spondylolisthesis: Surgical Planning & Challenges | Sarum Road Hospital, Winchester | Spine Surgery |
| 18:45 – 19:00 | | Evaluation Sheet Collection | | |

19:00-21:00

Evening Seminar

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3rd – 9th October 2016
Neuroscience Department, University Hospital,
Coventry, United Kingdom



Mr John Fowler
Consultant Spinal Surgeon
Sarum Road Hospital
Winchester
England
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Thursday 6th October 2016

| Time | Speaker | Topic | Hospital | Division |
|---------------|------------------------|--|-----------------------------------|---------------------|
| 08:30 – 08:45 | House Keeping | Introduction to the Speakers of the Day | University Hospitals, Coventry | |
| 08:45 - 09:00 | Dr Dhushy Kumar | Pre-hospital Emergency & Head Injuries | University Hospitals, Coventry | Neuro-Critical Care |
| 09:00 - 09:15 | Matron Deborah McBride | Safe Neurosurgery: Nursing prospects | University Hospitals, Coventry | Neuroscience |
| 09:15 -09:30 | Dr Antony Thomas | Headaches: Clinical evaluation | University Hospitals, Coventry | Neurology |
| 09:30 – 09:45 | Dr Antony Thomas | Headaches: Diagnostic evaluation & management | University Hospitals, Coventry | Neurology |
| 09:45 – 10:00 | Mr Rikin Trivedi | MISS & Thoraco-lumbar Surgery: Principles | Addenbrooke's Hospital, Cambridge | Spine Surgery |
| 10:00 - 10:15 | Mr Rikin Trivedi | MISS & Thoraco-lumbar Surgery: Principles | Addenbrooke's Hospital, Cambridge | Spine Surgery |
| 10:15 - 10:30 | Dr Bernice Dudkowsky | Organ Donation & Neurosurgery: Ethics | University Hospitals, Coventry | Neuro-Critical Care |
| 10:30 - 10:45 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 10:45- 11:00 | Dr Martin Carey | Neuropathology of primary malignant brain tumours | University Hospitals, Birmingham | Neuropathology |
| 11:00 - 11:15 | Dr Martin Carey | Neuropathology of Benign brain tumour | University Hospitals, Birmingham | Neuropathology |
| 11:15 - 11:30 | Dr Martin Carey | The 2016 WHO Classification of Brain Tumours | University Hospitals, Birmingham | Neuropathology |

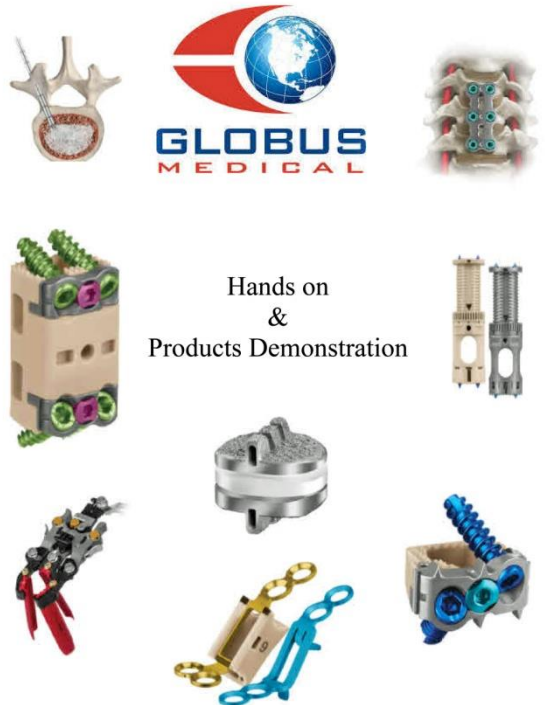
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|---------------|------------------------------------|--|--|------------------|
| 11:45 - 12:00 | Professor Ian Brown | Oncological advances in Malignant Brain Tumours | University Hospitals, Coventry | Neuro oncology |
| 12:00 - 12:15 | Mr Nitin Mukerji | Large & Giant Aneurysms: Management & Challenges | South Tees University Hospitals, Middlesbrough, | Vascular Surgery |
| 12:15 – 12:30 | Mr Nitin Mukerji | Large & Giant Aneurysms: Management & Challenges | South Tees University Hospitals, Middlesbrough, | Vascular Surgery |
| 12:30 - 13:00 | Group Photo Lunch Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 13:00 -13:15 | Mr Naveed Yasin | An update on Cervical Spine Construct Design | Salford Royal Hospital, Manchester | Spine Surgery |
| 13:15 – 13:30 | Mr Naveed Yasin | Spondylotic Myelopathy with cervical Kyphotic Deformity | Salford Royal Hospital, Manchester | Spine Surgery |
| 13:30 – 13:45 | Dr Pantea Sedaghat | Principles of Neurophysiology &diagnosis of carpal tunnel syndrome | University Hospitals, Coventry | Neuro-physiology |
| 13:45 – 14:00 | Dr Jyoti Evans | Principles of Neuro-psychology & Neurosurgical patients | University Hospitals, Coventry | Neuro-Psychology |
| 14:00 - 14:15 | Mr Karoly David | The Rheumatoid Spine, Clinical & Diagnostic Evaluation | Barking, Havering University Hospitals, Greater London | Spine surgery |
| 14:15 - 14:43 | Mr Karoly David | Surgery of the Rheumatoid Spine | Barking, Havering University Hospitals, Greater London | Spine Surgery |
| 14:45 - 15:00 | Dr Santhosh Nagaraju | Neuropathology of Malignant Spinal Tumours | University Hospitals, Birmingham | Neuropathology |
| 15:00 - 15:15 | Dr Santhosh Nagaraju | Neuropathology of Benign Spinal Tumours | University Hospitals, Birmingham | Neuropathology |
| 15:15 - 15:30 | Dr Santhosh Nagaraju | Neuropathology of unusual spinal lesions | University Hospitals, Birmingham | Neuropathology |

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|---------------|---------------------|--|--|----------------------------|
| 15:30 – 15:45 | Professor Ian Brown | Low Grade Brain Tumours: Contemporary Strategies. | University Hospitals, Coventry | Neuro oncology |
| 15:45 - 16:00 | Tea Break | Second Floor-Sponsors Display Tour | | |
| 16:00 - 16:15 | Mr Tony Elias | An Update on Spina Bifida: Embryology & Presentation | Princess Royal Hospital, Hayward's Heath, Greater London | Paediatric Neurosurgery |
| 16:15 - 16:30 | Mr Tony Elias | Spina Bifida: Management & Challenges | Princess Royal Hospital, Hayward's Heath, Greater London | Paediatric Neurosurgery |
| 16:30 – 16:45 | Mr Scott Rutherford | Improving outcome for Neurofibromatosis 2 | Salford Royal Hospital, Manchester | Skull Base Surgery |
| 16:45 - 17:00 | Mr Scott Rutherford | Advances Strategies in Central Hearing Prosthesis | Salford Royal Hospital, Manchester | Skull Base Surgery |
| 17:00 - 17:15 | Mr Ashok Bhat | Failed Back Surgery Syndrome: Clinical & Diagnostic Evaluation | Salford Royal Hospital, Manchester | Neurosurgery |
| 17:15 - 17:30 | Mr Ashok Bhat | Failed Back Surgery Syndrome: The Multimodal Management Strategies | Salford Royal Hospital, Manchester | Neurosurgery |
| 17:30 – 17:45 | Mr Pietro D'urso | Recurrent Gliomas: Treatment Options | Salford Royal Hospital, Manchester | Neurosurgery |
| 17:45 – 18:00 | Mr Pietro D'urso | Recurrent Gliomas: Patient Selection for Surgery | Salford Royal Hospital, Manchester | Neurosurgery |
| 18:00 - 18:15 | Dr Roger Townsend | Assessment of the cervical spine in patients with altered conscious level | University Hospitals, Coventry | Neurology |
| 18-15 – 18:30 | Mr Alok Ray | Thoraco-lumbar Pedicle Screw Fixation: Tips & Pearls | University Hospitals, Coventry | Neurosurgery |
| 18:30 – 18:45 | Mr Alok Ray | Cranio-cervical Abnormalities: Surgical principles and challenges | University Hospitals, Coventry | Neurosurgery |
| 18:45 – 19:00 | | Evaluation Sheet Collection | | |

19:00-21:00

Evening Seminar

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Hands on
&
Products Demonstration

Friday 7th October 2016

| Time | Speaker | Topic | Hospital | Division |
|---------------|------------------------|--|---|-------------------------|
| 08:30 - 08:45 | House Keeping | Introduction to the Speakers of the Day | University Hospitals, Coventry | Neurosurgery |
| 08:45 - 09:00 | Mr Suresh Pushpanathan | Health informatics & Neurosurgery | Royal London & St Bartholomew's Hospitals, London | Neurosurgery |
| 09:00 - 09:15 | Mr Suresh Pushpanathan | Information Technology & Neurosurgery | Royal London & St Bartholomew's Hospitals, London | Neurosurgery |
| 09:15 – 09:30 | Dr Manprit Dhillon | Osteoporotic fractures: Pathophysiology & radiology evaluation | University Hospitals, Coventry | Neuro-radiology |
| 09:30 – 09:45 | Dr Manprit Dhillon | Osteoporotic fractures & Vertebroplasty: Techniques | University Hospitals, Coventry | Neuro-radiology |
| 09:45 - 10:00 | Dr Mathew Patteril | Cerebral protection & neuro-anaesthesia | University Hospitals, Coventry | Neuro-abaesthesia |
| 10:00 –10:15 | Mr Peter Whitfield | Management of post traumatic CSF leak | Plymouth Hospitals NHS Trust, Plymouth, England | Neurosurgery |
| 10:15 – 10:30 | Mr Peter Whitfield | Neurosurgery: Outcomes in the Elderly | Plymouth Hospitals NHS Trust, Plymouth, England | Neurosurgery |
| 10:30 - 10:45 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 10:45 - 11:00 | Mr Alexander Green | Parkinson' s Disease & Surgery | Radcliffe Infirmary, Oxford | Functional Neurosurgery |
| 11:00 - 11:15 | Mr Alexander Green | Deep Brain Stimulation: Present & Future | Radcliffe Infirmary, Oxford | Functional Neurosurgery |

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|---------------|------------------------------------|--|---|--------------------|
| 11:15 - 11:30 | Mr Patrick Statham | Pituitary Adenomas: Pre-operative Evaluation & clinical assessment | Western General Hospitals, Edinburgh, Scotland | Skull Base Surgery |
| 11:30 – 11:45 | Mr Patrick Statham | Pituitary Adenomas: Post-Operative Complications and Avoidance | Western General Hospitals, Edinburgh, Scotland | Skull Base surgery |
| 11:45 - 12:00 | Mr Iqroop Chopra | Cervical Spondylotic Myelopathy: Clinical and diagnostic evaluation | University Hospitals Cardiff, Wales | Spine Surgery |
| 12:00 -12:-15 | Mr Iqroop Chopra | Surgical challenges for Cervical Spondylotic myelopathy | University Hospitals Cardiff, Wales | Spine Surgery |
| 12:15 -12:30 | Dr Mathew Wyse | Traumatic Spinal Cord Injury: Clinical evaluation & assessment | University Hospitals, Coventry | Trauma & Emergency |
| 12:30 - 13:00 | Group Photo Lunch Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 13:00 - 13:15 | Mr Andrew Brodbelt | Chiari Malformations: Contemporary Strategies for Management | The Walton Center for Neurosurgery, Liverpool, England | Neurosurgery |
| 13:15 -13:30 | Mr Andrew Brodbelt | Pathophysiology of Syringomyelia | The Walton Center for Neurosurgery, Liverpool, England | Neurosurgery |
| 13:30 – 13:45 | Mr Giles Critchley | Malignant Gliomas: Molecular Genetics | Brighton and Sussex University Hospitals, Sussex, England | Neuro-oncology |
| 13:45 – 14:00 | Mr Giles Critchley | Malignant Gliomas: The Multi Modal Management | Brighton and Sussex University Hospitals, Sussex, England | Neuro-oncology |
| 14:00 - 14:15 | Mr Dev Bhattacharyya | Pre-Surgical Evaluation for Epilepsy Surgery | Royal Hallamshire Hospital, Sheffield | Epilepsy Surgery |
| 14:15 - 14:30 | Mr Dev Bhattacharyya | Epilepsy: Surgical Principles & Challenges | Royal Hallamshire Hospital, Sheffield | Epilepsy Surgery |

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|---------------|----------------------|--|---|----------------------------|
| 14:30 – 14:45 | Mr Robert Corns | Intracranial Pressure: Physiology & Monitoring | Leeds General Infirmary, Leeds Teaching Hospitals, | Neurosurgery |
| 14:45 - 15:00 | Mr Robert Corns | Intracranial Pressure Monitoring & Head Injury | Leeds General Infirmary, Leeds Teaching Hospitals, Leeds | Neurosurgery |
| 15:00 - 15:15 | Mr Karoly David | Intra-medullary Spinal Tumours: Surgical planning & Challenges | Barking, Havering University Hospitals, Greater London | Spine surgery |
| 15:15 - 15:30 | Mr Chris Uff | Approaches to intracranial aneurysms: How I do it. | Royal London & St Bartholomew's Hospitals, London | Vascular Neurosurgery |
| 15:30 -15-45 | Mr Chris Uff | Should we still be clipping intracranial aneurysms? | Royal London & St Bartholomew's Hospitals, London | Vascular Neurosurgery |
| 15:45 - 16:00 | Tea Break | Second Floor -Sponsors Display Tour | | |
| 16:00 - 16:15 | Mr Shaliendra Magdum | Paediatric Brain Tumours: Update | John Radcliffe Hospital, Oxford | Paediatric Neurosurgery |
| 16:15 - 16:30 | Mr Shaliendra Magdum | Paediatric Hydrocephalus: Management | John Radcliffe Hospital, Oxford | Paediatric Neurosurgery |
| 16:30 – 16:45 | Mr Donald MacArthur | Craniopharyngiomas: Clinical & Diagnostic evaluation | Queen’s Medical Center, Nottingham University Hospitals, Nottingham | Neurosurgery |
| 16:45 - 17:00 | Mr Donald MacArthur | Craniopharyngiomas : The Multimodal treatment | Queen’s Medical Center, Nottingham University Hospitals, Nottingham | Neurosurgery |
| 17:00 -17:15 | Mr Mark Wilson | Intracranial Pressure: Principles | Imperial College Charing Cross Hospital, London | Neurosurgery |
| 17:15 - 17:30 | Mr Mark Wilson | Traumatic Brain Injuries: Current & Future | Imperial College Charing Cross Hospital, London | Neurosurgery |
| 17:30 - 17:45 | Mr Peter Bullock | Pituitary Tumours: Present & Future | King’s College Hospital, London | Neurosurgery |

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|---------------|------------------|---|------------------------------------|--------------|
| 17:45 - 18:00 | Mr Peter Bullock | Principles of Intracranial Meningioma Surgery | King's College Hospital, London | Neurosurgery |
| 18:00 - 18:15 | End of Day | Evaluation Sheet Collection | | |

19:30-23:30

Gala Dinner



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Friday 7th October 2016

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anita@neurosurgeryupdate.com

Saturday 8th October 2016

| Time | Speaker | Topic | Hospital | Division |
|---------------|-------------------------|--|------------------------------------|-----------------------|
| 08:45 - 09:00 | House Keeping | Introduction to the Speakers of the Day | University Hospitals, Coventry | |
| 09:00 - 09:15 | Dr Mohamed Belhag | Peripheral Neuropathy | University Hospitals, Coventry | Neurology |
| 09:15 - 09:30 | Dr Mohamed Belhag | Motor Neurone Disease | University Hospitals, Coventry | Neurology |
| 09:30 – 09:45 | Mr Daniel Walsh | Cranial Arteriovenous malformations: The multi-modal Treatment | King’s College Hospital, London | Vascular Neurosurgery |
| 09:45 – 10:00 | Mr Daniel Walsh | Surgery for cranial arteriovenous malformations | King’s College Hospital, London | Vascular Neurosurgery |
| 10:00 - 10:15 | Mr Christos Tolia | Ruptured Intracranial Aneurysms: The modern management | King’s College Hospital, London | Vascular Neurosurgery |
| 10:15 – 10:30 | Mr Christos Tolia | The Un-ruptured Aneurysms & Contemporary Strategies for management | King’s College Hospital, London | Vascular Neurosurgery |
| 10:30 – 10:45 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 10:45 – 11:00 | Mr Ravindra Nannapaneni | Spondylolysis & Spondylolisthesis: Clinical & Diagnostic Evaluation | Cardiff University Hospital, Wales | Spine Surgery |
| 11:00 – 11:15 | Mr Ravindra Nannapaneni | Spondylolysis & Spondylolisthesis: Surgical Planning & Challenges | Cardiff University Hospital, Wales | Spine Surgery |

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|---------------|------------------------------------|--|---|-------------------------|
| 11:15 - 11:30 | Ms Caroline Hayhurst | Navigation & Endoscopic & Skull Base Surgery: Principles & Applications | Cardiff University Hospital, Wales | Skull Base Surgery |
| 11:30 - 11:45 | Ms Caroline Hayhurst | Anterior Skull Base Tumours: Approaches & Surgical planning | Cardiff University Hospital, Wales | Skull Base Surgery |
| 11:45 - 12:00 | Mr Gregory James | Craniofacial anomalies: Classification & Pathophysiology | Great Ormond Children's Hospital, London | Paediatric Neurosurgery |
| 12:00 - 12:15 | Mr Gregory James | Craniofacial anomalies: The multi modal management strategies | Great Ormond Children's Hospital, London | Paediatric Neurosurgery |
| 12:15 - 12:30 | Mr Gregory James | Craniofacial anomalies: Surgical challenges | Great Ormond Children's Hospital, London | Paediatric Neurosurgery |
| 12:30 - 13:00 | Group Photo Lunch Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 13:00 - 13:15 | Mr John Yianni | Gamma Knife Radiosurgery & Vascular malformations | Royal Hallamshire Hospital, Sheffield | Radiosurgery |
| 13:15 - 13:30 | Mr John Yianni | Gamma Knife Radiosurgery & Functional Neurosurgery | Royal Hallamshire Hospital, Sheffield | Radiosurgery |
| 13:30 - 13:45 | Mr Carl Hardwidge | Vestibular Schwannomas: The multi-modal treatment | Brighton and Sussex University Hospitals, Sussex, England | Skull Base Surgery |
| 13:45 - 14:00 | Mr Carl Hardwidge | Vestibular Schwannomas: surgical challenges | Brighton and Sussex University Hospitals, Sussex, England | Skull Base Surgery |
| 14:00 - 14:15 | Mr Umang Patel | Brainstem Cavernomas: Contemporary strategies for management | Radcliffe Infirmary, Oxford University Hospitals, Oxford | Vascular Neurosurgery |
| 14:15 - 14:30 | Mr Umang Patel | Giant Intracranial aneurysms: Surgical Planning & Challenges | Radcliffe Infirmary, Oxford University Hospitals, Oxford | Vascular Neurosurgery |

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| 14:45 – 15:00 | Mr Umang Patel | Cerebral Re-vascularization: Principles & Applications | Radcliffe Infirmary, Oxford University Hospitals, Oxford | Vascular Neurosurgery |
| 15:00 – 15:15 | Mr Edward Mckintosh | Neuro-endoscopy: Principles & applications | Royal London & St Bartholomew's Hospitals | Skull Base Surgery |
| 15:15 – 15:30 | Mr Edward Mckintosh | Awake Craniotomy & Brain Tumours: An Update | Royal London & St Bartholomew's Hospitals | Neuro-oncology |
| 15:30 – 15:45 | Mr Vasileios Arzoglou | Principles of Lumbar Inter body Fusion (PLIT-TLIF-ALIF-XLIF-MIDLF) | Hull Royal Infirmary, Hull | Spine Surgery |
| 15:45 - 16:00 | Tea Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 16:00 - 16:15 | Mr Vasileios Arzoglou | Cortical Bone Trajectory for Minimal Invasive Lumbar Fusion | Hull Royal Infirmary, Hull | Spine Surgery |
| 16:15 – 16:30 | Mr Vasileios Arzoglou | Evidence of Dynamic Fixation - Soft Stabilisation in Spinal Surgery | Hull Royal Infirmary, Hull | Spine Surgery |
| 16:30 – 16:45 | Dr Ralf Kockro | Virtual and Augmented Reality Enhanced Neurosurgery: Principles | Hirslanden Clinic , Zurich, Switzerland | Skull Base Surgery |
| 16:45 – 17:00 | Dr Ralf Kockro | Virtual and Augmented Reality Enhanced Neurosurgery: Current & Future | Hirslanden Clinic , Zurich, Switzerland | Skull Base Surgery |
| 17:00 – 17:15 | Dr Ralf Kockro | Intracranial aneurysms: Risk assessment | Hirslanden Clinic , Zurich, Switzerland | Vascular Neurosurgery |
| 17:15 – 17:30 | Professor Olivier Klein | Fetal surgery: Prenatal surgery of myelomeningoceles | Universite de Lorraine, France | Paediatric Neurosurgery |
| 17:30 – 17:45 | Professor Olivier Klein | Prenatal Myelomeningoceles: Prenatal diagnosis & Stratification | Universite de Lorraine, France | Paediatric Neurosurgery |

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| 17:45 – 18:00 | Professor Olivier Klein | Prenatal Myelomeningoceles: Current therapeutic strategies | Universite de Lorraine, France | Paediatric Neurosurgery |
| 18:00 – 18:15 | Professor Olivier Klein | Medulloblastomas; Surgical Advances | Universite de Lorraine, France | Paediatric Neurosurgery |
| 18:15 – 18:30 | Mr Guirish Solanki | Posterior fossa tumour surgery: complications & avoidance | Birmingham Children's Hospital, Birmingham | Paediatric Neurosurgery |
| 18:30 – 18:45 | Mr Guirish Solanki | Cerebellar Mutism: Management | Birmingham Children's Hospital, Birmingham | Paediatric Neurosurgery |
| 18:45 – 19:00 | Mr Guirish Solanki | Craniofacial Anomalies: Clinical evaluation | Birmingham Children's Hospital, Birmingham | Paediatric Neurosurgery |
| 19:00 – 19:15 | Mr Guirish Solanki | Craniofacial Anomalies: Management | Birmingham Children's Hospital, Birmingham | Paediatric Neurosurgery |
| 19:15 – 19:30 | End of Day | Sponsors Display Tour Evaluation Sheet Collection | | |

19:30-21:30

Evening Seminar

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Sunday 9th October 2016

| Time | Speaker | Topic | Hospital | Division |
|---------------|---------------------|---|--|-------------------------|
| 08:45 – 09:00 | House Keeping | Introduction to the Speakers of the Day | University Hospitals, Coventry | |
| 09:00 – 09:15 | Mr Daniel Walsh | Spinal Arteriovenous malformations: The multi-modal Treatment | King's College Hospital, London | Vascular Neurosurgery |
| 09:15 – 09:30 | Mr Daniel Walsh | Spinal Dural Arteriovenous fistulas: Management | King's College Hospital, London | Vascular Neurosurgery |
| 09:30 – 09:45 | Mr Thomas Santarius | Biology of Meningioma | Addenbrooke's Hospital, Cambridge | Neuro-oncology |
| 09:45 – 10:00 | Mr Thomas Santarius | Surgery for Meningioma: Update | Addenbrooke's Hospital, Cambridge | Neuro-oncology |
| 10:00 – 10:15 | Mr Tom Flannery | Navigation & Intraoperative Imaging In Brain Tumour Resection: Principles | Royal Victoria hospital, Belfast, Northern Ireland | Neuro-oncology |
| 10:15 – 10:30 | Mr Tom Flannery | Navigation & Intraoperative Imaging In Brain Tumour Resection: Applications | Royal Victoria Hospital, Belfast, Northern Ireland | Neuro-oncology |
| 10:15 – 10:30 | Tea Break | Second Floor Clinical Science Building | | |
| 10:15 - 10:30 | Mr Colin Shieff | Battlefield Neurosurgery | National Hospital for Neurosurgery, London | Head Trauma |
| 10:30 – 10:45 | Mr Colin Shieff | Pain & Neurosurgical interventions | National Hospital for Neurosurgery, London | Functional Neurosurgery |
| 10:45 – 11:00 | Dr Chen Sheng Low | Nuclear Medicine & Neurosurgery: Principles & applications | Heartlands Hospital NHS Trust, Birmingham | Neuro-radiology |

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| 11:00 – 11:15 | Mr Narenthiran Ganesalingham | Medical Statistics: Made easy | Royal London & St Bartholomew's Hospitals, London | Medical Statistics |
| 11:15 – 11:30 | Mr Narenthiran Ganesalingham | Decompressive Surgery in Head Injuries: Outcome & Ethics | Royal London & St Bartholomew's Hospitals, London | Head Trauma |
| 11:30 - 11:45 | Mr John Yeh | Biomechanics of Cervical Disc & concepts of disc arthroplasty | Spire Dunedin Hospital, Reading | Spine Surgery |
| 11:45 – 12:00 | Mr John Yeh | Osteoporotic fractures & Cement augmentation: Principles & application | Spire Dunedin Hospital, Reading | Spine Surgery |
| 12:00 - 12:15 | Mr Babak Arvin | Cervical Myelopathy | Barking, Havering University Hospitals, Greater London | Spine Surgery |
| 12:15 - 12:30 | Mr Babak Arvin | Anterior Vs Posterior Surgery for Cervical myelopathy | Barking, Havering University Hospitals, Greater London | Spine Surgery |
| 12:30 - 13:00 | Group Photo Lunch Break | Second Floor- Clinical Science Building Sponsors Display Tour | | |
| 13:00 - 13:15 | Mr Irfan Malik | Endoscopic Spine Surgery: Principles | King's College Hospital, London | Spine Surgery |
| 13:15 - 13:30 | Mr Irfan Malik | Endoscopic Spine Surgery: applications, current & future | King's College Hospital, London | Spine Surgery |
| 13:30 - 13:45 | Mr Kristian Aquilina | Spasticity: Pathophysiology & Management | Great Ormond Children's Hospital, London | Paediatric Neurosurgery |
| 13:45 – 14:00 | Mr Kristian Aquilina | Intra-Ventricular Haemorrhage & Premature Babies | Great Ormond Children's Hospital, London | Paediatric Neurosurgery |
| 14:00 – 14:15 | Mr Ramez Kirolos | Pineal Tumours: clinical & radiological evaluation | Addenbrooke's Hospital, Cambridge | Neurosurgery |

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| 14:15 – 14:30 | Mr Ramez Kirolos | Surgical Approaches for Pineal Tumours | Addenbrooke's Hospital, Cambridge | Neurosurgery |
| 14:30 – 14:45 | Mr Ramez Kirolos | Intra ventricular Brain Tumours: Update | Addenbrooke's Hospital, Cambridge | Neurosurgery |
| 14:45 - 15:00 | Mr Ramez Kirolos | Surgical Approaches for Intra-ventricular Tumours | Addenbrooke's Hospital, Cambridge | Neurosurgery |
| 15:00 – 15:15 | Mr George Eralil | Molecular Genetics of Brain Gliomas | Cardiff University Hospital, Wales | Neuro-oncology |
| 15:15 – 15:30 | Mr George Eralil | New Classification of WHO grading for Gliomas | Cardiff University Hospital, Wales | Neuro-oncology |
| 15:30 – 15:45 | Mr Andrew Alalade | Skull Base Surgery: Preoperative evaluation | National Hospital for Neurosurgery, London | Neurosurgery |
| 15:45 – 16:00 | Mr Andrew Alalade | Neurosurgery Exam: Preparation & Reflection | National Hospital for Neurosurgery, London | Neurosurgery |
| 16:00 – 16:15 | Mr Pedro Castanho | Incidental Unruptured Intracranial aneurysms: Management strategies | Hull Royal Infirmary, Hull | Vascular Neurosurgery |
| 16:15 – 16:30 | Mr Pedro Castanho | Incidental arterio-venous malformations: Management strategies | Hull Royal Infirmary, Hull | Vascular Neurosurgery |
| 16:30 – 16:45 | Mr Hussien El-Maghraby | Remarks & Highlights | University Hospitals, Coventry | Neurosurgery |
| 16:45 – 17:00 | Course Ends | Evaluation Forms | | |

Venue
Clinical Science Building
University Hospital
Coventry
CV2 2DX

www.neurosurgeryupdate.com

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Course Organizer
Mr Hussien El-Maghraby
Consultant Neurosurgeon
Email: hussien.el-maghraby@uhcw.nhs.uk

Senior Course Administrator
Mrs Anita Vicars
For Registration & Sponsorship inquires
Email: anita@neurosurgeryupdate.com
[Email: anita.vicars@uhcw.nhs.uk](mailto:anita.vicars@uhcw.nhs.uk)