

**BRITISH SOCIETY OF NEURORADIOLOGISTS
ANNUAL MEETING**

Trinity College Cambridge

10th – 12th September 2004

SCIENTIFIC PROGRAMME

Friday 10th September

- 08.00 – 09.10 Registration and coffee
- 09.10 – 09.15 Introduction and Welcome
- SESSION I Vascular / Interventional I**
- 09.15 – 09.27 **Complete Obliteration of Dural Arteriovenous Malformation with Onyx**
Nahser H., Niven S., Nixon T., Foy P., Shaw D.
- 09.27 – 09.39 **Cyanoacrylate glue in the embolisation of small brain AVMs**
Bhattacharya JJ, Zampakis P, Lamin S, Jenkins S, Papanastassiou V
- 09.39 – 09.51 **Embolisation of Cerebral Arterio-Venous Malformations pre Radiosurgery – An Analysis of 30 patients**
Hodgson TJ, Coley SC, Kemeny AA
- 09.51 – 10.03 **Into Orbit – a new endovascular coil system**
Sanjay S P, Keston P, White P, Sellar R
- 10.03 – 10.15 **Initial experience with hydrocoil 10 system for endovascular aneurysm treatment**
PM White, RJ Sellar, PM Keston
- 10.15 – 10.27 **Brain AVMs: factors predisposing to early obliteration after stereotactic radiosurgery.**
Coley SC, Nagaraja S, Lee KJ, Capener D, Wilkinson ID, Griffiths PD, Kemeny AA
- 10.30 – 11.00 Coffee
- SESSION II Vascular / Interventional II**
- 11.00 - 11.45 **Invited Lecture:**
Intracranial dural arterio-venous fistulas: diagnosis, classification, treatment.
Professor Emmanuel Houdarth Hôpital Lariboisière, Paris
- 11.45 – 11.57 **Cerebral proliferative angiopathy: A single centre experience of diffuse brain avms**
Zampakis P, Lamin S, Jenkins S, Papanastassiou V, Bhattacharya J
- 11.57 – 12.09 **Transverse Sinus Stenosis in Idiopathic Intracranial Hypertension Demonstrated on CT Venography**
Tay KY, Varley M, Tipper G, Higgins JNP
- 12.09 – 12.21 **Otic or mythic? Carotid-vertebral anastomoses and the myth of the otic artery**
Bhattacharya JJ, Thammaroj, Zamapkis P, Lamin S
- 12.21 – 12.33 **The Contribution of the Circle of Willis Anomalies to the Genesis of Intracranial Aneurysms: An in-vivo Study of Blood Flow Dynamics**
Hussain Z, Colominas C, Mclaughlin R, Byrne J V

- 12.33 – 12.45 **Hypothesis; Transverse-Sigmoid Dural Sinus is a plexiform structure**
R Sellar, N J Higgins
- 12.45 – 14.00 Lunch
- SESSION III Paediatric Radiology**
- 14.00 - 14.45 **Invited Lecture:**
Advanced imaging in paediatric neuroradiology
Professor Elias Melhem, University of Pennsylvania, Philadelphia
- 14.45 – 14.57 **Childhood primary vasculitis of the CNS: Conventional angiographic appearances and a comparison with MR angiography.**
Aviv RI, Benseler SM, Silverman ED, DeVeber G, Tsang, L M, Tyrrell PN, Atenafu E , Armstrong D
- 14.57 – 15.09 **Correlation between the neuro-anatomy and the endocrinology in patients with Optic Nerve Hypoplasia**
Mehta H, Mehta A, Thompson C, Dattani MT, Chong WK
- 15.09 – 15.21 **In utero MR imaging for isolated ventriculomegaly**
PD Griffiths, J Morris, MNJ Paley, E Whitby
- 15.21 – 15.33 **Imaging the fetal spine using in utero MR imaging: Diagnosis of spinal dysraphic processes**
PD Griffiths, D Connolly, E Widjaja, E Whitby
- 15.33- 15.45 **Spontaneous regression of residual cerebellar pilocytic astrocytoma in children**
Gunny RS, Hayward RD, Phipps KP, Saunders DE
- 15.45 – 15.57 **Quantitative MR proton spectroscopy and cognitive impairments in children following traumatic brain injury**
Hunter JV, Thornton RJ, Wang ZJ, Levin HS, Brooks WM, Swank PR.
- 15.57 – 16.09 **3D reconstructions of cortical malformations**
Wallis LI, Wignall EL, Widjaja E, Wilkinson ID, Griffiths PD
- 16.10 – 16.40 Tea
- SESSION IV Neurodegenerative Imaging**
- 16.40 - 16.52 **The cerebral reserve hypothesis – quantity or quality?**
Murray AD, Staff RT, Deary IJ, Whalley LJ
- 16.52 – 17.04 **Memory Impairment Due to Vascular Lesions of the Circuit of Papez**
Jones RS, Ghookal D, Patel M, Waldman A
- 17.04 – 17.16 **Comparison of Neuropsychometric and MRI Assessment in Different Forms of Dementia**
Sibtain N., Mehta A., Stevens J., Warrington E., Whitwell J.
- 17.16 – 17.28 **Hippocampal MR volumetry in rodents: effect of trait anxiety and long-term glucocorticoid treatment**
Schubert MI, Kalisch R, Wigger S, Almeida OFX, Landgraf R, Auer DP

17.28 – 17.40 **MRI findings in a population based cohort of patients with Spinocerebellar degeneration Type 8. (SCA 8)**
R Sellar, D Summers, D Collie, A Zeman

Close of Session

Saturday 11th September

SESSION V Magnetic Resonance Imaging I

08.45 – 09.15 **Invited Lecture:**
Recent advances in MR Imaging
Martin Graves, University of Cambridge

09.15 – 09.27 **e-Learning and e-CPD Neuroradiology Support for Trainee and Established Neuroradiologists and Trainee General Radiologists– Two Linked Initiatives**
Wardlaw JM, Farrall AJ, White PM, Summers D, Sellar RJ, Gibson R, Hourihan M

09.27 – 09.39 **Acute Cerebral CT Evaluation in Stroke Study (ACCESS): how CT Interpretation Differs between Specialties**
Farrall AJ, Mielke O, von Kummer R, Moulin T, Ciccone A, Hill M, Perry D, Wardlaw JM

09.39 – 09.51 **The Spatial Distribution of MRI Abnormalities in CADASIL and Their Relationship to Age and Clinical Features**
Singhal S, Rich P, Markus H

09.51 – 10.03 **MR imaging and proton spectroscopy at 3T in adults with Ataxia-Telangiectasia**
Wallis LI, Wilkinson ID, Romanowski CAJ, Ritchie S, Griffiths PD

10.03 – 10.15 **3D-Reconstructions of ventricular deformation associated with corpus callosum abnormalities**
Giesel FL, Wignall EL, Hahn H, Wilkinson ID, Essig M, Griffiths PD

10.15 – 10.45 Coffee

SESSION VI Magnetic Resonance Imaging II

10.45 – 10.57 **Ultrafast imaging in acute stroke: utility of an integrated three minute neuro MR protocol.**
JM U-King-Im, RA Trivedi, MJ Graves, K Harkness, H Eales, EA Warburton, NM Antoun, JH Gillard.

10.57 – 11.09 **Dual Pathology in Patients with Hippocampal Sclerosis: Analysis in 462 Patients**
Sibtain NA, Mehta A, Kendall BE, Stevens JM

11.09 – 11.21 **The Frontal veil signs: description of sulci and gyri in the sagittal plane**
Walker LJ, Sharma A, Thammaroj J, Teasdale E, Bhattacharya JJ

11.21 – 11.33 **Dexamethasone alters cerebral perfusion and blood-tumour barrier kinetics on MR in patients with intracranial masses**
Wilkinson ID, Jellinek DA, Levy D, Giesel FL, Miller BA, Griffiths PD

11.33 – 11.45 **An Image-Guided Biopsy Study of Diffusion Tensor Abnormalities: A Tool to Improve the Definition of Glioma Margins**
Price SJ, Dean AF, Hutchinson PJA, Burnet NG, Green HAL, Carpenter TA, Pickard JD, Gillard JH

11.45 – 12.45	<u>JAMES BULL LECTURE:</u> MRI of Hydrocephalus: new findings suggesting the etiology of “idiopathic” NPH Professor William Bradley, University of California, San Diego
12.45 – 14.00	Lunch
SESSION VII	Skull Base and Extracranial Imaging
14.00 – 14.45	<u>Invited Lecture:</u> Imaging Assessment of the Neck Mass Professor David Yousem, Johns Hopkins Hospital, Baltimore
14.45 – 14.55	An Audit of the Contribution of MRI to a Multidisciplinary NF2 Clinic Pretorius PM, Dattani M, Quaghebeur G, Byrne JV
14.55 – 15.05	Multidetector CT Angiography in the diagnosis of Vertebral Artery Dissection Santosh C, Teasdale E
15.05 – 15.15	The Role of Multidetector CT Angiography in Carotid Artery Dissection Stenhouse EJ, Walker LJ, Teasdale E
15.15 – 15.25	Analysis of haemodynamic patterns in the atherosclerotic extracranial carotid artery using computational fluid dynamics Birchall D, Zaman A, Hacker J, Davies G, Mendelow AD
15.25 – 15.35	Three Dimensional Contrast Enhanced Magnetic Resonance Angiography (3D CE MRA) in the Diagnosis of Spinal Vascular Malformations Annesley-Williams DJ, Jaspan T, Lenthall R, Goddard A, Cooper A
15.35 – 15.45	Application and efficacy of non-invasive spinal multidetector CT angiography in patients with suspected dural fistula with spinal drainage Zampakis P, Santosh C, Walker L, Teasdale E
15.45 – 15.50	Introduction to BSNR Annual Meeting 2005
15.50 – 16.10	Tea
16.10	Annual General Meeting

POSTERS

The appearance and correlation of MRI and MRA in Primary CNS vasculitis of childhood.

Aviv RI, Benseler SM, Silverman ED, DeVeber, G Tsang L M, Tyrrell PN, Atenafu E, Armstrong D

Acute Cerebral CT Evaluation in Stroke (ACCESS): Agreement between Expert and Less Expert Readers

Farrall AJ, Mielke O, von Kummer R, Moulin T, Ciccone A, Hill M, Perry D, Wardlaw JM

Acute Cerebral CT Evaluation in Stroke Study (ACCESS): Comparison of Three Infarct Rating Scales

Farrall AJ, Mielke O, von Kummer R, Moulin T, Ciccone A, Hill M, Perry D, Wardlaw JM

Multislice CT angiography at King's. The first year.

Dr T.Hampton

SLICES OR SPINS? – Audit of the introduction of 16-slice CT angiography.

Keston P, Chandramohan S, White P

MRI measurements in Cauda Equina Syndrome: reproducibility and prediction of clinical outcome

M.J.H.McCarthy, D.Annesley-Williams, A. Brodie, A.Jones and M.P.Grevitt

Diffusion –weighted MR imaging of the brain

Sawlani V. Powell N.

Abnormal thalamic metabolism on H-MRS in 'peripheral' diabetic neuropathy

Wilkinson ID, Selvarajah D, Emery CJ, Griffiths PD, Tesfaye S.