

BSNR 2003

Annual Scientific Meeting of the British Society of Neuroradiologists

Koninklijke Nederlandse Akademie van Wetenschappen
Royal Netherlands Academy of Arts and Sciences
Amsterdam
10th/11th October 2003

Friday 10th October

0900 Introduction and Welcome
Dr Gareth Davies St Lucas Andreas Ziekenhuis, Amsterdam

Session 1 Paediatric Neuroradiology and Vascular Disease

Chairman Dr W St Clair Forbes Salford

0905 Involvement of the anterior lobe of the cerebellar vermis in perinatal profound hypoxia
Connolly DJA, Widjaja E, Griffiths PD
Sheffield Children's Hospital, Sheffield, Yorks

0917 Prevalence of Chiari II and Syringohydromyelia in children with open spina bifida
Fernandes A, Calado E
Department of Neuropaediatrics, Hospital Dona Estefania, Portugal

0929 Proton MRS of the cerebellum in gluten-related ataxia
Wilkinson ID, Hadjivassilou M, Dickson JM, Grunewald RA, Widjaja E, Coley S, Griffiths PD
Academic Radiology; University of Sheffield and STH Trust

0945 Invited Lecture

Prediction of cerebral palsy using high quality sequential ultrasound. Results in 2000 children
Prof L de Vries, Dept of Neonatology, University of Utrecht, the Netherlands

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1015 Do rapid assessment stroke clinics reduce the risk of stroke:
The Sheffield experience
Widjaja E*, Manuel D, Salam S#, Griffiths PD^, Doyle C#, Venables G#, Hodgson TJ*, Connolly DJA*, Coley SC*, Romanowski CAJ*
Dept of Radiology* and Neurology#, Academic Section of Radiology^, Royal Hallamshire Hospital, Sheffield, Yorks

1030

Acute cerebral CT evaluation of Stroke Study (Access)
Farrall A.J, Mielke O, Kummer R von, Armiet C, Perry D, Wardlaw JM
Universities of Edinburgh, Heidelberg and Dresden.

1042

A comprehensive living archive for neuroradiology
Farrall AJ, White P, Summers D, Sellar R, Armie C, Perry D, Horribine L,
Wardlaw JM
Dept of Clinical Neurosciences, University of Edinburgh

1055

A plea for more Access contributors: How and where?
Prof JM Wardlaw

Coffee 1100-1130

Session 2 Vascular Disease

Chair Dr Margaret Hourihan, Cardiff

1130

Pre-operative evaluation of carotid disease with non-invasive modalities: are combination strategies appropriate?
U-King-Im JM, Trivedi RA, Higgins NJ, Cross JC, Graves MJ, Kirkpatrick PJ, Antoun NM, Gillard JH
Department of Radiology, Addenbrookes Hospital and the University of Cambridge.

1142

The role of magnetic resonance angiography in suspected cerebral vasculitis
Demaerel P, Ruyter N de, Velghe B* , Maes F, Wilms G
University Hospitals Leuven en Ziekenhuis Oost-Limburg*, Belgium

1154

Cerebral CT venography: experience in a tertiary referral centre
Rennie ATM, Pretorius P, Quaghebeur G
Dept of Neuroradiology, Radcliffe Infirmary, Oxford.

1206

Assessment of cerebral haemodynamics and vascular reserve in patients with symptomatic carotid artery occlusion: An integrated MR method.
Griffiths PD, Salam S, Gaines P, Cleveland T, Beard J, Venables G, Wilkinson ID.
The Academic Unit of Radiology, University of Sheffield, Yorks

1218

Utility of 16 slice CT angiography in the assessment and endovascular management of acute sub-arachnoid haemorrhage

Tipper G, Gillard J, Higgins JNP, Antoun N, Cross J, Kirkpatrick P, Kirolos R

Departments of Neurosurgery and Radiology, Addenbrooke's Hospital
Cambridge

1230

Haemorrhage in a cavernoma .When is brain cavernoma bleed, a bleed ?
A systematic review.

Sellar R, Hall J, Battacharya J

Scottish Intracranial Vascular Malformation Study (SIVMS)

1242

In vivo USPIO enhanced MRI can identify macrophages in human macrophages in human carotid atheroma

Trivedi RA, U-King-im JM, Graves MJ, Kirkpatrick PJ,

Gillard JH, Goddard MJ*, Horsley J*, Wang L, Brown J#, Quartey G#

University of Cambridge, Papworth Hospital*, Papworth, GlaxoSmithKline#
Cambridge.

1254

Introducing CTA as a first-line investigation for confirmed SAH: The effect on numbers of diagnostic cerebral angiograms performed.

Pretorius PM, Soin S, Quaghebeur G

Dept of Neuroradiology, the Radcliffe Infirmary, Oxford.

Lunch 1300-1400

Session 3: MRI

Chairman

Dr Richard Bartlett Hull

1400

MR Imaging of the brain with ultrashort TE(UTE) pulse sequences: Something new, by way of contrast.

Waldman AH^{1,2}, Rees JH², Brock CS¹, Robson MD³, Gatehouse PD⁴ and Bydder GM¹

Hammersmith Hospitals¹, Institute of Neurology², University of Oxford ³,
Brompton Hospital ⁴

1412

MRI-based mechanical stress analysis of carotid plaque in symptomatic and asymptomatic patients

Pena A, U-King-IM, Trivedi R, Graves MJ, Pickard JD, Gillard JH

Addenbrooke's Hospital, Academic Neurosurgery Unit and University Dept of Radiology, Cambridge University

1424

Fogging on MRI after acute ischaemic stroke
Sellar RJ, Wardlaw JM, Stratton S, O'Brien P
Dept of Clinical Neurosciences Edinburgh
Western General Hospital, Crewe Road, Edinburgh

1436

Short TE MRS in variant and familial Creutzfeldt Jakob disease: diagnostic application and distribution of metabolite abnormalities
Cordery RJ, MacManus D, Godbolt A, Collinge J, Rossir MN, Waldman AD
Institute of Neurology, Charing Cross Hospital, London

1448

Assessment of Cobb angle in idiopathic scoliosis on axial loaded MRI: preliminary results.
MacSweeney E*, Saifuddin A*, Blease S*, Noordeen MH#, Taylor BA#
Open MRI of Harley Street*, Dept of spinal deformity, RNOH NHS Trust, Stanmore#.

Tea : 1515-1545

Session 4: The future of Neuroimaging

Chair Dr Juliet Britton Atkinson Morleys Hospital, London.

1545

There will be four presentations from the radiology industry each lasting +/- 25 minutes with five minutes for questions per speaker. The aim of the presentations is not to show us new machines which can scan better and faster but for each firm to give us their vision of the direction neuroimaging will be going in the next 10 years.

Presenters: Philips Siemens Toshiba General Electric.

Saturday 11 th October:

Session 5: Interventional Radiology

Chairman Dr Mike Nelson Leeds

0900

Initial experience with a new supersoft coil (ultipaq) in endovascular aneurysm treatment
White PM, Sellar RJ, Keston, Horribine L
Western General Hospital, Edinburgh

0912

Matrix detachable coils in the treatment of intracranial aneurysms
Herwadkar A, Mitra D, Soh C, Gholkar A
Newcastle General Hospital

0924

Endovascular therapy as first line treatment for ruptured cerebral aneurysms: comparison of demographics and outcome data for patients treated within and post ISAT. A single centre experience

Goddard AJP, Jaspan T, McConachie N, Lenthall, Thomas A
Neuroradiology Dept, Queens Medical Centre, Nottingham.

0936

Posterior inferior cerebellar artery(PICA) aneurysms: a 10 year experience of endovascular treatment with long term follow up

Sellar RJ, White P, Horrobine L. Moon P
Centre of Neuro-intervention Edinburgh (CINE)

0948

Vertebral artery origin angioplasty and primary stenting: safety and restenosis rates in a prospective series.

Clifton A, Cloud GC, Crawley F, McCabe DJH, Brown MM, Markus HS
Atkinson Morley's Hospital,Wimbledon, St Georges Hospital Medical School and the Institute of Neurology, Queens Square, London

1000

The incidence of groin complications following endovascular treatment of intracranial aneurysms.

Niven SD, Nahser HC, Nixon TE, Smith ET, Das K
The Walton Centre for Neurology and Neurosurgery, Liverpool

Coffee 1015- 1045

Session 6 Interventional Radiology Part II

Chairman: Dr Andrew Molyneux Oxford

1045

Endovascular coiling of pericallosal artery aneurysms

Keston PM, White PM, Horribane L, Sellar R
Western General Hospital, Edinburgh

1057

Neuroform stents: a new approach to the treatment of wide necked aneurysms

Mitra A, Herwadkar A, Soh C, Gholkar A
Newcastle General Hospital

1109

Initial experience with the neuroform stent, including six month follow up after aneurysm treatment

White PM, Sellar RJ
Western General Hospital,Edinburgh

1121

The investigation of brachial plexus injury with 3-D Rotational myelography
Initial experience of a new technique

Romanowski CAJ, Wattam J, Hodgson TJ, Babic D, Coley SC
Dept of Neuroradiology, Royal Hallamshire Hospital, Sheffield and Philips
Medical Systems,
Best, the Netherlands.

1133

Venous hypertension as a cause of cervical myelopathy

Prof Brian Tress

The Royal Melbourne Hospital, Melbourne, Australia

1200 The James Bull Lecture Professor Semir Zeki FRS

“ The neurology of ambiguity “

Lunch 1300-1400.

Final Session: MR and Cerebral Tumours:

Chairman

Dr James Byrne Oxford

1400

Sequential dynamic gadolinium MR perfusion weighted imaging: effects
on transit time and cerebral blood volume measurements

Pandya H, Wilkinson ID, Griffiths PD

Academic unit of Radiology, University of Sheffield

1412

Comparison of CT and MR perfusion studies. ¹H MRS and MRI as
indicators of neoplastic biological activity in patients undergoing treatment
for cerebral glioma

Smith ETS, Das K, Cole P, Warnke P

The Walton Centre for Neurology and Neurosurgery NHS Trust, Liverpool
Depts of Physics and Neurological Science, University of Liverpool

1424

Diffusion tensor tissue signatures in cerebral gliomas

Price SJ, Peña A, Burnet NG*, Green HAL, Carpenter TA, Pickard JD

Gillard JH

Academic Neurosurgical Unit, University Dept of Radiology, Wolfson Brain
Imaging Centre and University Department of Oncology *
University of Cambridge, Addenbrooke's Hospital Cambridge

1436

The use of visual inspection of MR images in the diagnosis of dementia syndromes: comparison with pathology.

Likeman M*, Godbolt A#, Stevenson V#, Waldman A#, Stevens J*, Fox N#.

National Hospital for Neurology and Neurosurgery*

Dementia research group, Institute of Neurology, UCL#

1448

Can single voxel pMRS distinguish oligoastrocytoma from oligodendroglioma

Das K, Smith ET, Niven S, Warnke P, Cole P

Walton Centre for Neurology and Neurosurgery, Liverpool

1500

MRI of iatrogenic Creutzfeldt-Jakob disease: appearance in an Anglo-French cohort.

Summers DM, Galanaud D, Dormont D, Brandel J-P, Sellar RJ

Will RG, Collie DA

National CJD Surveillance Unit, Western General Hospital, Edinburgh and Service de neuroradiologie/neurologie, GH Pitie Salpetriere, Paris

1512

Changes in the BOLD signal in the basal ganglia and cerebral white matter during breath holding.

Graham J, Wilkinson ID, Connolly D, Paley MNJ, Griffiths PD

Unit of Academic Radiology, University of Sheffield

1524

Close of scientific programme and preview of next year's meeting in Cambridge

Tea 1530-1600

1600.1700

BSNR Annual General Meeting

(Ordinary and Senior Members).