

WESTERN NEUROSURGICAL SOCIETY
51st Annual Meeting
SCIENTIFIC PROGRAM

Session I
Sunday, September 18, 2005

Moderators: Moustapha Abou-Samra, Lawrence Shuer

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| 7:30-7:35 | | Welcome John Slater, President WNS |
| 7:35-7:50 | 1 | “The Antique Origin of the Mind-Brain Problem”
Charles W. Needham |
| 7:50-7:55 | | Discussion |
| 7:55-8:10 | 2 | “Risks and Technique of NBCA-assisted Tumor Embolization”
Felipe C. Albuquerque |
| 8:10-8:15 | | Discussion |
| 8:15-8:30 | 3 | “Image Guided Neuroendoscopy Using Computer-Generated Virtual Images”
Marc Mayberg |
| 8:30-8:35 | | Discussion |
| 8:35-8:50 | 4 | “Cocaine and Amphetamine Regulated Transcript (CART) Peptide and Direct Cerebral Vasoconstriction: A Novel Finding of Potential Clinical Relevance”
G. Alexander West |
| 8:50-8:55 | | Discussion |
| 8:55-9:10 | 5 | “Dynamic Stabilization: Preliminary Results from Arizona Clinical Sites”
Thomas Scully |
| 9:10-9:15 | | Discussion |
| 9:15-9:30 | 6 | “Outcomes Tracking for Neurosurgical Procedures”
Richard H. Schmidt |
| 9:30-9:35 | | Discussion |
| 9:35-10:00 | | Break – Visit Exhibits |

Session II
Sunday, September 18, 2005

Moderators: Austin Colohan, John Slater

- 10:00-10:15 7 **"An Examination of Economic Incentive and Its Role in the Evolution of Modern Neurosurgical Practice"**
Allen Efron
- 10:15-10:20 Discussion
- 10:20-10:35 8 **"Stem Cells: Myth, Fantasy, Our Current Administration and Reality"**
Victor Tse
- 10:35-10:40 Discussion
- 10:40-10:55 9 **"Ophthalmic Artery Aneurysms, A Current Series"**
Marc Vanefsky
- 10:55-11:00 Discussion

11:00-11:30	CLOWARD AWARD "Legacy of Giants in the Treatment of Spinal Disorders: Ralph Cloward and Marshall Urist." Donald J. Prolo
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11:30-12:00	INVITED PRESENTATION "Medicine and the Media: a Neurosurgeons Perspective" Sanjay Gupta CNN News Correspondent
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12:00 Scientific Session Adjournment

Session III
Monday, September 19, 2005

Moderators: Jack Bonner, Lawrence Shuer

8:30-8:45 10 **“Range of Motion, Adjacent Disc Pressure, and Facet Force Comparison for Cervical Spine Arthroplasty with Spinal Kinetics, Prodisc-C, Prestige Artificial Discs and Anterior Cervical Discectomy and Fusion”**
Daniel Kim

8:45-8:50 Discussion

8:50-9:05 11 **“A Modified Procedure for C1-C2 Lateral Mass Fusion”**
Matthew Hunt

9:05-9:10 Discussion

9:10-9:25 12 **“Tubular Retractors for Anterior Odontoid Access”**
John H McVicker

9:25-9:30 Discussion

9:30-9:45	13	RESIDENT AWARD - BASIC SCIENCE “Pain Modulation in the Rostral Pons” Jonathan Carlson
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9:45-9:50 Discussion

9:50-10:20 Break – Visit Exhibits

Session IV
Monday, September 19, 2005

Moderators: Kim Burchiel, Jay Morgan

10:20-10:35 14 **“Impact of Low-Field vs High-Field iMRI and Image-guided
Frameless Neuronavigation on Extent of Glioma Resection”**
Linda Liaw

10:35-10:40 Discussion

10:40-10:55	RESIDENT AWARD - CLINICAL SCIENCE 15 “Intraoperative Magnetic Resonance Imaging and Transsphenoidal Surgery” Matthew Hunt
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10:55-11:00 Discussion

11:00-11:30	ABLIN LECTURE “The Modern Management of Combat Neurotrauma Injuries: Battlefield to the Medical Center” Rocco Armonda, LTC, MD
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11:30-11:35 Introduction of WNS President
John “Jack” Bonner

11:35-12:00	PRESIDENTIAL ADDRESS “Neurosurgery at War” John Slater
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12:00 Scientific Session Adjournment

Session V
Tuesday, September 20, 2005

Moderators: Mark Linskey, Randy Smith

- 7:00-7:15 16 **“Long Term Outcome of Bypass for Moyamoya Disease”**
David Newell
- 7:15-7:20 Discussion
- 7:20-7:35 17 **“Genetic Polymorphisms in Patients with Brain Arteriovenous Malformations: Implications for Pathophysiology, Diagnosis and Treatments”**
Michael Lawton
- 7:35-7:40 Discussion
- 7:40-7:55 18 **“Challenges of Surgical Clipping for Residual Aneurysms after GDC Coil Treatment”**
Gary Steinberg
- 7:55-8:00 Discussion
- 8:00-8:15 19 **“CyberKnife Radiosurgical Ablation for Spinal Cord AVM: Gradual Dose Escalation”**
John Adler
- 8:15-8:20 Discussion
- 8:20-8:35 20 **“CyberKnife Image-guided Stereotactic Radiosurgery in the Treatment of Benign Spinal Tumors”**
Robert Dodd
- 8:35-8:40 Discussion
- 8:40-8:55 21 **“Precise and Detailed Reporting of Hearing Preservation in the Surgical Resection of Acoustic Neuromas”**
Marc S. Schwartz
- 8:55-9:00 Discussion
- 9:00-9:15 22 **“Efficacy and Safety of Targeted Subthreshold Cortical Stimulation for Recovery of Motor Hand Function Following Hemiparetic Stroke”**
Martin Weinand
- 9:15-9:20 Discussion
- 9:20-9:50 Break – Visit Exhibits

Session VI
Tuesday, September 20, 2005

Moderators: Moustapha Abou-Samra, Austin Colohan

- 9:50-10:05 23 **“Two-Port Endoscopic Microsurgical Excision of Colloid Cysts”**
Marvin Bergsneider
- 10:05-10:10 Discussion
- 10:10-10:25 24 **“Vascular Reconstruction and Bypasses for Complex Aneurysms – An
Alternative to Microsurgical Clipping and Endovascular Coiling”**
Laligam N. Sekhar
- 10:25-10:30 Discussion
- 10:30-10:45 25 **“Decompressive Craniectomy in a General Neurosurgical Practice”**
Brian Andrews
- 10:45-10:50 Discussion
- 10:50-11:05 26 **“Bomb Detection Device—a Prototype for Objective Pain Detection”**
Donald Olson
- 11:05-11:10 Discussion
- 11:10-11:25 27 **“Brain Amyloid Accumulation in Senescent Rats with Kaolin-induced
Hydrocephalus”**
Gerald Silverberg
- 11:25-11:30 Discussion
- 11:30-11:45 28 **“How to Predict Best Results from Bypass Coaptation Procedures for
Cervical Root Avulsion”**
Shokei Yamada
- 11:45-11:50 Discussion
- 11:50-12:05 29 **“Treatment with Minocycline Reduces Neuronal Loss and Apoptosis
After Spinal Cord Injury in Mice”**
Hui Li
- 12:05-12:10 Discussion
- 12:10 Meeting Adjournment – Closing Statements: John P. Slater

WESTERN NEUROSURGICAL SOCIETY
Pain Symposium

Tuesday, September 20, 2005

Honored Guest: John D. Loeser, M.D.

- 1:00 – 1:10 PM **Welcome**
Kim Burchiel, M.D.
- 1:10 – 1:30 PM **Anatomy and physiology of nociception, and antinociception**
Mary Heinricher, Ph.D.
- 1:35 – 1:55 PM **Examination of the lumbar spine in the pain patient**
Brian Davis, M.D.
- 2:00 – 2:20 PM **Pre-emptive analgesia**
Brett Stacey, M.D.
- 2:25 – 2:45 PM **Psychological assessment and treatment of the chronic pain patient**
Richard Kolbell, Ph.D.
- 2:50–3:10 PM **Use of opioids in chronic pain**
Brett Stacey, M.D.
- 3:15 – 3:35 PM **Neurosurgical treatment of pain**
Kim Burchiel, M.D.
- 3:35 – 4:00 PM **Break**
- 4:00 - 4:20 PM **How to arrest pain, without getting arrested**
Laura Sweet
- 4:25 – 4:45 PM **Pain and Hospice**
Fred Meyers, M.D.
- 4:50 – 5:10 PM **Pain Medicine: Concepts & Practice**
Phil Lippe, M.D.
- 5:15 – 5:30 PM **Role of the Neurosurgeon in the pain care team**
Kim Burchiel, M.D.
- 5:30 PM **Break**
- 6:30 PM **Cocktails and discussion**
- 7:00 PM **Dinner**

8:00 PM	Honored Guest Lecture: “Pain Management: Dreams and Reality” John D. Loeser M.D.
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9:00 PM **Adjourn**