



American
Association of
Neurological
Surgeons

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2014

The Winter Clinics

FOR CRANIAL & SPINAL SURGERY

Sunday, February 23 - Thursday, February 27, 2014

presented by:

Mayfield Clinic

Mayo Clinic

Cleveland Clinic

Goodman Campbell Brain and Spine

Be part of the nation's most exciting cranial, spine and peripheral nerve meeting, located at the beautiful Westin Snowmass in Snowmass Village, Colorado.

Objectives

Intended audience: neurosurgeons, orthopaedic surgeons, neurosurgical residents, fellows, nurse practitioners & physician assistants

Methods of instruction: didactic lectures, case presentations/discussions, abstract presentations, panel discussions and formal discussion periods

Upon completion of this educational activity, participants should be able to:

- Discuss emerging technologies as well as treatment paradigms for various spinal diseases and disorders.
- Discuss and review new techniques and controversies as demonstrated in various case studies, and apply that information to future clinical decision-making processes.
- Discuss options to avoid or treat spine complications and how best to communicate about them.
- Discuss lessons learned from experience in treating peripheral nerve trauma, entrapment, tumors, and pain disorders.
- Discuss and review the contemporary evaluation, pathophysiology, and treatment plans for the sacroiliac joint.
- Discuss and review changes to the business of medicine, including the Affordable Care Act and ICD-10 coding.
- Discuss emerging technologies as well as treatment paradigms for various cranial diseases and disorders. Review of the peer-review literature for each of several disorders and justification for the newer treatment algorithms including outcome reporting will be used and future directions of clinical and basic science research will be discussed.
- Discuss and review controversial cranial procedures and issues and be able to describe positives and negatives of each.
- Discuss the contemporary management of complications related to the surgical and post-operative treatment of intracranial.
- Introduce cases with either a challenging diagnosis or which present a challenging therapeutic decision; highlighting discussion of data interpretation and differential diagnosis.

Accreditation Statement & Designation Statements:

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the AANS and the Mayfield Clinic. The AANS is accredited by the ACCME to provide continuing medical education for physicians.

The AANS designates this live activity for a maximum of 25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Statement:

Before the program, anyone in control of the educational content of this activity will disclose the existence of any financial interest and/or the relationship they or their significant other have with the manufacturer(s) of any commercial product(s) to be discussed during their presentation. Disclosures will be included in the final program.

Sunday, February 23, 2014

7:00 - 9:30am **Spine: Special Interest Topics**

Moderator: R. Douglas Orr, MD
Welcome

Surgery for Basilar Invagination and Atlanto-axial Instability
Sergey Neckrysh, MD

Posterior Lumbar Motion Preservation Technology: Stand Alone vs. Hybrid Construct
Leon Abram, MD

Retention of Spinal Motion after Insertion of Interspinous Process Spacers
Edmund Frank, MD

Measuring Outcomes in Cervical Spondylotic Myelopathy: MCID of ACDF
Richard Fessler, MD, PhD

Stereotactic Radiosurgery for Schwannomas
George Bovis, MD

Lies My Teachers Taught Me: Re-thinking Scoliosis in the 21st Century
R. Douglas Orr, MD

MIS Correction of Spinal Deformity: Long Term Results (2 to 5 Years)
Neel Anand, MD

4:00 - 6:30pm **Fireside Case Discussions: Controversies**

Moderator: Robert Bohinski, MD, PhD

Single Level Spondylolisthesis
Larry Khoo, MD & R. Douglas Orr, MD

- Laminectomy and Fusion
- Laminectomy Alone

Persistent Lumbar Radiculopathy
George Mandybur, MD & Marc Orlando, MD

- More Surgery
- Spinal Cord Stimulation

Interbody Fusion at L5-S1 for Degenerative Disc Disease and Foraminal Stenosis
Jean-Pierre Mobasser, MD & Robert Bohinski, MD, PhD

- MIS TLIF
- ALIF

6:30 - 8:00pm **Welcome Reception**

Monday, February 24, 2014

7:00 - 9:30am **Tips & Tricks: Complication Avoidance & Management**

Moderator: Chad Morgan, MD

Chiari malformation: Tips, Tricks, and
What to Avoid in Surgical Treatment
Robert Parrish, MD, PhD

Vascular Injuries Secondary to Lumbar Discectomy
Claudio Feler, MD

How to Say You're Sorry: What to Say and Do
When Surgery Ends and Recovery Begins
Brad Curt, MD

How to Remove Pedicle Screws
from the Thoracic Aorta
William Tobler, MD

The Unavoidably Complicated Job We Share
Chad Morgan, MD

Minimally Invasive Spine Surgery
Complication Avoidance: Tips and Tricks
Mick Perez-Cruet, MD

Avoiding Pitfalls in Spine Imaging
Peter Kalina, MD

MIS TLIF-XLIF Outcomes and Reimbursement
Larry Khoo, MD

4:00 - 6:30pm **Peripheral Nerve Surgery: Lessons Learned**

Moderator: Robert Spinner, MD

Entrapments: Upper Extremity
Robert Spinner, MD

Entrapments: Lower Extremity
Eric Zager, MD

Trauma
Marie-Noelle Hebert-Blouin, MD

Tumor
Amgad Hanna, MD

Pain
Shaun O'Leary, MD

Tuesday, February 25, 2014

7:00 - 9:30am **The Enigmatic Sacroiliac Joint**

Moderator: William Tobler, MD

Introduction

Anatomy & Function
Cyrus King, MD

Radiologic Review, Clinical Examination and
Differential Diagnosis
John Stark, MD

Review of Pain Procedures and Injection Therapy
Thomas Berger, MD

Review and Lessons from History of Fusion
John Stark, MD

Minimally Invasive Sacroiliac Fusion
Jonathan Hyde, MD

Minimally Invasive Posteromedial,
Distraction-interference Approach to Fusion
John Stark, MD

Summary and Review of Literature
William Tobler, MD

9:30 - 11:30pm **Hands-On Simulator Session Opportunity**

4:00 - 6:30pm **Affordable Care Act, ICD-10 & Cranial: Special Interest Topics**

Moderator: H. Gordon Deen, MD

Health Reform Goes Live - Issues & Ramifications
Richard G. Cowart

ICD-10 Codes: Implications for the Neurosurgeon
Gordon Deen, MD

Neuro ICU Monitoring: Pro's & Con's
William D. Freeman, MD

Concussion Update
William Knight, IV, MD

From Dr. Kildare to Dr. House: American
Healthcare as Seen Through TV Medical Drama
Allan Hamilton, MD

7:00 - 9:30am **Emerging Treatments**

Moderator: Mario Zuccarello, MD

Intraoperative Imaging in Brain Tumors
Luca Regli, MD

Endoscopic Approach to Anterior Fossa Lesions: Indications, Limitations and Results
Fred Gentili MD, MSc, FRCSC, FACS, FAANS

Rapid Prototyping of Cerebrovascular Anatomical Models as Surgical Adjunct, Rehearsing Aneurysm Surgery
Paul Camarata, MD

The Impact of Ansel Adams and Hollywood on the Surgical Microscope: How Can We Improve the Operating Microscope?
Andrew Grande, MD

Surgical Standardization in the MISTIE Trial
Mario Zuccarello, MD

Intra-operative MRI in Functional Neurosurgery
Ellen Air, MD, PhD

4:00 - 6:30pm **Fireside Case Discussions: Controversies**

Moderator: Troy Payner, MD

Facial Pain
John Tew, Jr., MD & Nicholas Barbaro, MD

- Surgery
- Radiosurgery

Intracerebral Hemorrhage
Charles Kulwin, MD & Rabih Tawk, MD

- Observe
- Operate

Petroclival Meningioma
Ravi Gandhi, MD & Gavin Britz, MD

- Combined Middle Fossa Transpetrous
- Retrosigmoid/Extended Retrosigmoid

7:00 - 9:30am **Tips & Tricks: Complication Avoidance & Management**

Moderator: Philip Theodosopoulos, MD

Complication Avoidance in Minimally Invasive Anterior Cranial Base Surgery
Philip Theodosopoulos, MD

Complication Avoidance in Endoscopic Transclival Surgery
Sebastien Froelich, MD

The Role of Laser Interstitial Thermal Therapy for Primary Glioma, Metastasis & Radiation Necrosis
Glen Stevens, DO, PhD

Meningiomas: Lessons Learned over 20 Years
Joung Lee, MD

A Management Algorithm for Sellar/Suprasellar Reconstruction to Avoid CSF Leaks in Endoscopic Transphenoidal Surgery
Bharat Guthikonda, MD

Management of EVD-related Ventriculitis
Erin McDonough, MD

Nasal Cavity Malignancies - Anterior Cranial Fossa
Amjad Anaizi, MD

Discussion

4:00 - 6:30pm **CPC – “Stump the Chump”**

Moderator: William Knight, IV, MD

Case Discussions

Faculty:
Ellen Air, MD, PhD
Giuseppe Lanzino, MD
Joung Lee, MD
Troy Payner, MD

Residents:
Ben Bixenmann, MD
Amer Khalil, MD
Ravi Kumar, MD
Neal Patel, MD

Discussion



Lodging and Location

Snowmass Village is a beautiful area, perfect for wintertime fun. Nestled in the Colorado Rockies, Snowmass provides a serene backdrop for this educational program.

The Westin Snowmass is a full-service, ski-in, ski-out hotel featuring fully renovated guest rooms including the Heavenly Bed & Bath®, along with a luxurious renovated lobby, lounge and public spaces, two new restaurants, a new Westin Spa, slope-side pool, hot tub & sun deck, as Westin WORKOUT™ fitness center, and private ski valet.

The Wildwood Snowmass offers a completely different experience with a retro-chic design and energetic vibe. Guests will enjoy fully renovated rooms where style meets function, featuring hip art, functional space, radical design and colorful decor.

When you register for the conference, remember to make lodging reservations as well. The Westin Snowmass and Wildwood Snowmass hotels are holding a limited number of rooms at a discounted price until January 22, 2014.

To make reservations, call (800) 937-8461. Reservations will be accepted based on availability.

Registration deadline: February 7, 2014

For more detailed information and to register, visit winterclinics.com

Tuition

Full Program	Feb. 23-27	\$1300
Spinal Program Only	Feb. 23-25	\$1100
Cranial Program Only	Feb. 25-27	\$1100
Residents/Fellows Nurse Practitioners Physician Assistants	Feb. 23-27 (Full Program Only)	\$600



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* as of November 29, 2013

The Winter Clinics FOR CRANIAL & SPINAL SURGERY

Sunday, February 23 - Thursday, February 27, 2014
Westin Snowmass, Snowmass Village, Colorado

Faculty

Back Pain Clinic

John Stark, MD, PA

Baker Donelson

Richard Cowart

Cedars-Sinai Institute for Spinal Disorders

Neel Anand, MD, Mch Orth

Center of Brain and Spine Surgery

George Bovis, MD

Cleveland Clinic

Amer Khalil, MD

Joung Lee, MD

R. Douglas Orr, MD

Glen Stevens, DO, PhD

Danville Orthopedic Spine Center

Leon Abram, MD

Georgetown University

Amjad Anaizi, MD

Group Health

Marc Orlando, MD

High Mountain Brain & Spinal Surgery

Claudio Feler, MD

Indiana University/ Goodman Campbell Brain and Spine

Nicholas Barbaro, MD

Ravi Gandhi, MD

Charles Kulwin, MD

Jean-Pierre Mobasser, MD

Neal Patel, MD

Troy Payner, MD

Kansas University

Paul Camarata, MD

Lariboisière Hospital, Paris

Sebastien Froelich, MD

Louisiana State University

Bharat Guthikonda, MD

Mayo Clinic

H. Gordon Deen, MD

W. David Freeman, MD

Peter Kalina, MD

Ravi Kumar, MD

Giuseppe Lanzino, MD

Robert Spinner, MD

Rabih Tawk, MD

McGill University

Marie-Noëlle Hébert-Blouin, MD

Methodist Neurological Institute

Gavin Britz, MB BCH, MPH

Robert Parrish, MD, PhD

Michigan Head & Spine Institute

Mick Perez-Cruet, MD, MS

NorthShore Medical Group

Shaun O'Leary, MD, PhD

Oregon Health & Science University

Edmund Frank, MD

Rush University Medical Center

Richard Fessler, MD, PhD

South Florida Spine Institute

Jonathan Hyde, MD

Springfield Neurological & Spine Institute

Chad Morgan, MD

The Spine Clinic of Los Angeles

Larry Khoo, MD

University Hospital of Zurich

Luca Regli, MD, PhD

University of Arizona

Allan Hamilton, MD

University of California, San Francisco

Philip Theodosopoulos, MD

University of Cincinnati/ Mayfield Clinic

Ellen Air, MD, PhD

Thomas Berger, MD

Ben Bixenmann, MD

Robert Bohinski, MD, PhD

Bradford Curt, MD

Cyrus King, MD

William Knight, IV, MD

George Mandybur, MD

Erin McDonough, MD

John Tew, Jr., MD

William Tobler, MD

Mario Zuccarello, MD

University of Illinois

Sergey Neckrysh, MD

University of Minnesota

Andrew Grande, MD

University of Pennsylvania

Eric Zager, MD

University of Toronto

Fred Gentili, MD, MSc

University of Wisconsin

Amgad Hanna, MD