



American
Association of
Neurological
Surgeons

Jointly Provided by the AANS

2015

The Winter Clinics

FOR CRANIAL & SPINAL SURGERY

Sunday, February 22 - Thursday, February 26, 2015

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.
- Explain and review new techniques and controversies as demonstrated in various case studies, and apply that information to future clinical decision-making processes.
- Describe potential complications of peripheral nerve disorders, entrapment, injuries, tumors, and pain and how to avoid complications preoperatively, intraoperatively and postoperatively.
- Identify various complications in spine surgery, how to avoid or treat spine complications and how best to communicate about them.
- Recognize the full spectrum of chairi malformation and how it is best treated.
- Explain and review changes to the business of medicine, including physician alignment models and ICD-10 coding changes.
- Discuss and review the use of neuromodulation for pain and movement disorders, patient evaluation and update on surgical techniques.
- Review and discuss the best medical practices for stroke prevention in patients with intracranial stenosis, the appropriate role for ECIC bypass after multiple trials failed in broad indications, and how to choose appropriately between carotid endarterectomy and stenting for extra cranial carotid stenosis.
- Identify the contemporary management, surgical techniques and post-operative treatment of intracranial lesions.
- Apply processes involved in clinical decision making for cases that demonstrate controversies, the application of new and emerging technology, and complication management.

Accreditation Statement & Designation Statements: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership 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 22, 2015

7:00 - 9:30am Emerging Treatments in Spine Surgery

Moderator: William Tobler, MD

Shooting at the Right Target:
Hip, Low Back, or SI Joint Pain?
Marc Orlando, MD

Techniques of SI Joint Fusion & Clinical Outcomes
David L. Greenwald, MD, FACS

Minimally-Invasive SI Joint Fusion: Updates
Brad Duhon, MD

Interlaminar Stabilization in the Lumbar Spine
Michael Musacchio, Jr., MD

Principles & Methods of Endoscopic Spine Surgery
Anthony Yeung, MD

Review of Stem-Cell Research for Degenerative Disc Disease
Mick Perez-Cruet, MD, MS

Oblique Lumbar Interbody Fusion
Jean-Pierre Mobasser, MD

4:00 - 6:30pm Controversies in Spine Surgery

Moderator: R. Douglas Orr, MD

The Year in Review of Spinal Controversies
William Tobler, MD

Failed Back Surgery: Why Bother?
R. Douglas Orr, MD

Controversies of Dynamic Stabilization for the Lumbar Spine
Leon Abram, MD

MIS Surgical Techniques: Decompression to Deformity Correction - Outcomes and Limitations
Larry Khoo, MD

Limitations & Complications of Circumferential MIS for Adult Spinal Deformity
Neel Anand, MD, Mch Orth

How to Apply Kaizen Techniques in Neurosurgery
Brad Curt, MD

How Do We Train Residents in the Era of Image Guided Spine Surgery?
William Krauss, MD

6:30 - 8:00pm Welcome Reception

7:00 - 9:30am **Complications of Peripheral Nerve Surgery**

Moderator: Robert Spinner, MD

Case Illustrations: Complications
Shaun O'Leary, MD, PhD, FAANS

Complications in the Evaluation of Patients with Peripheral Nerve Disorders
Robert J. Spinner, MD

Complications Related to Entrapment Surgery
Eric Zager, MD

Complications Related to Surgery for Peripheral Nerve Injuries
Amgad Hanna, MD

Complications Related to Surgery for Peripheral Nerve Tumors
Manish Sharma, MBBS

Complications Related to Surgery for Nerve Pain
Marie-Noëlle Hébert-Blouin, MD

Discussion

4:00 - 6:30pm **Complication Avoidance & Management**

Moderator: H. Gordon Deen, MD

Dural Erosion Caused by Crosslink
H. Gordon Deen, MD

Use of Navigation in Anterior and Lateral Spine Surgery
Stephen Pirris, MD

What Surgery Not To Do Minimally Invasively!
Richard Fessler, MD, PhD

Misses, Misinterpretations, & Mimics in Spine Imaging
Peter Kalina, MD

Successful Spinal Fusions: A Review of the Environmental, Endocrine & Nutritional Components
Rob Parrish, MD, PhD, FAANS

Surgical Complications & Spine Tumor Surgery
Michelle Clarke, MD

What If I Could Do This Case Again?
Sergey Neckrysh, MD

Laser Interstitial Thermotherapy for Spinal Metastasis
Claudio Tatsui, MD

Discussion

7:00 - 9:30am **Chiari Malformation**

Moderator: Robert Bohinski, MD, PhD

Historical Perspective of Chiari Malformation
Daniel Harwell, MD

Pathophysiology of Chiari Malformation – The Basic and Clinical Science
John Heiss, MD

Radiologic Evaluation of Chiari I Malformation
Mary Gaskill-Shiple, MD

Chiari Malformation, other Associated Conditions & Special Circumstances We Should Know About
Robert Bohinski, MD, PhD

Management of Persistent Syringomyelia after Craniocervical Decompression and of Primary Spinal Syringomyelia
John Heiss, MD

Case Discussion

4:00 - 6:30pm **Physician Alignment Models & Business of Neurosurgery**

Moderator: Troy Payner, MD

Changing Demographics of Hospital Employment and Medicare
Peter Carmel, MD

Alternative Payment Models and Other Regulatory Requirements in the New Value World Order
Katie Orrico, JD

The Swiss Healthcare System. A Possible View of Our Future?
Edmund Frank, MD

Hospital DRGs and How These Are Used to Define and Compare Neurosurgery: Should We Pay Attention to the Fine Print?
Andrew Grande, MD

Coma Dépassé - New Thoughts on an Old Concept
William Knight, IV, MD

Escaping the Gulag: Unlocking the Loneliness of the Dying
Allan Hamilton, MD

7:00 - 9:30am Neuromodulation for Pain & Movement Disorders

Moderator: George Mandybur, MD

Evaluations for Patient Needing DBS for Movement Disorders
Fredy J. Revilla, MD

Update on Surgical Techniques for Movement Disorders
George Mandybur, MD

Neuromodulation for Failed Back Syndrome
Claudio Feler, MD

Surgery for Medically Intractable Epilepsy
Nicholas Barbaro, MD

ICU EEG in Brain-Injured Patients: Worth or Waste?
William Freeman, MD

Surgical Treatment of Trigeminal Neuralgia: How Do We Decide What's First?
Chad Morgan, MD & Andrew Grande, MD

Anatomic Evaluation of the Foramen Ovale: Impact on Trigeminal Neuralgia Treatment
Adel El-Nashar, MD

4:00 - 6:30pm Surgical & Endovascular Treatments for Revascularization

Moderator: Andrew Ringer, MD

Management of Steno-occlusive Disease after CREST & SAMMPRIS
Ricardo Hanel, MD, PhD

When to Bypass after COSS
David Langer, MD

Acute Stroke Revascularization
Alexander A. Khalessi, MD, MS, FAHA

Carotid Occlusions: Endovascular or Open Repair?
Rabih Tawk, MD

Revascularization Strategies for Complex Aneurysms
Fady Charbel, MD

Flow Diversion for Aneurysms
Giuseppe Lanzino, MD

7:00 - 9:30am Ordinary & Extraordinary Intracranial Lesions

Moderator: Philip Theodosopoulos, MD

Radiosurgery for Vestibular Schwannomas
George Bovis, MD

Acoustic Neuromas: What I've Learned & How I've Changed My Approach
Philip Theodosopoulos, MD

Six Pillars Approach to Glioma Surgery
Ronald Young, II, MD

Glioblastoma in the Elderly
Glen Stevens, DO, PhD

Combined Transcranial and Endoscopic Approaches to Complex Skull Base Lesions
Sebastien Froelich, MD

Measuring Anticoagulation in Neurosurgery - Review of TEG/Verify Now
Erin McDonough, MD

Discussion

4:00 - 6:30pm CPC – “Stump the Chump”

Moderator: William Knight, IV, MD

Case Discussions

Faculty:
H. Gordon Deen, MD
Joung Lee, MD
Chad Morgan, MD
Rabih Tawk, MD

Residents:
Charles Kulwin, MD
Ryan Tackla, MD
Jang Yoon, MD
Jonathan York, MD



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 Holiday Inn Express (formerly 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 Holiday Inn Express (formerly Wildwood Snowmass) hotels are holding a limited number of rooms at a discounted price until January 21, 2015.

To make reservations: Westin Snowmass (800) 525-9402
Holiday Inn Express (formerly Wildwood Snowmass) (970) 923-8400

Reservations will be accepted based on availability.

Registration deadline: February 6, 2015

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

Tuition

Full Program	Feb. 22-26	\$1300
Spinal Program Only	Feb. 22-24	\$1100
Cranial Program Only	Feb. 24-26	\$1100
Residents/Fellows Nurse Practitioners Physician Assistants	Feb. 22-26 (Full Program Only)	\$600



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* as of November 18, 2014

The Winter Clinics FOR CRANIAL & SPINAL SURGERY

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Westin Snowmass, Snowmass Village, Colorado

Faculty

American Association of Neurological Surgeons

Katie Orrico, JD

Baptist Neurological Institute of Jacksonville

Ricardo Hanel, MD, PhD

Cedars-Sinai Spine Center

Neel Anand, MD, Mch Orth

Center of Brain and Spine Surgery

George Bovis, MD

Cheyenne Regional Medical Center

Claudio Feler, MD

Cleveland Clinic

Glen Stevens, DO, PhD
R. Douglas Orr, MD

Danville Orthopedic Spine Center

Leon Abram, MD

Desert Institute for Spine Care

Anthony Yeung, MD

Flagler Brain & Spine Institute

David L. Greenwald, MD, FACS

Hofstra University

David Langer, MD

Indiana University/ Goodman Campbell Brain and Spine

Nicholas Barbaro, MD
Charles Kulwin, MD
Jean-Pierre Mobasser, MD
Troy Payner, MD
Ronald Young, II, MD

Lariboisière Hospital, Paris

Sebastien Froelich, MD

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William Krauss, MD
Peter Kalina, MD
Giuseppe Lanzino, MD
Stephen Pirris, MD
Robert Spinner, MD
Rabih Tawk, MD
Jang Yoon, MD

Mayo Clinic Health System

Manish Sharma, MBBS

McGill University

Marie-Noëlle Hébert-Blouin, MD

MD Anderson Cancer Center

Claudio Tatsui, MD

Methodist Neurological Institute

Rob Parrish, MD, PhD, FAANS

Michigan Head & Spine Institute

Mick Perez-Cruet, MD, MS

National Institutes of Health

John Heiss, MD

Neurosurgical and Spine Specialists

Brad Duhon, MD

NorthShore University HealthSystem

Michael Musacchio, Jr., MD

Northwest Community Healthcare

Shaun O'Leary, MD, PhD, FAANS

Oregon Health & Science University

Edmund Frank, MD

Rush University Medical Center

Richard Fessler, MD, PhD

Rutgers New Jersey Medical School

Peter Carmel, MD

The Hycy and Howard Hill Neuroscience Institute, Providence St. Joseph Medical Center

Joung Lee, MD

The Spine Clinic of Los Angeles

Larry Khoo, MD

University of Arizona

Allan Hamilton, MD

University of California, San Diego

Alexander A. Khalessi, MD, MS, FAHA

University of California, San Francisco

Philip Theodosopoulos, MD

University of Cincinnati/Mayfield Clinic

Robert Bohinski, MD, PhD
Bradford Curt, MD
Mary Gaskill-Shipley, MD
Daniel Harwell, MD
William Knight, IV, MD
George Mandybur, MD
Erin McDonough, MD
Marc Orlando, MD
Andrew Ringer, MD
Ryan Tackla, MD
William Tobler, MD
Jonathan York, MD

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Sergey Neckrysh, MD

University of Minnesota

Adel El-Nashar, MD
Andrew Grande, MD

University of Missouri/Springfield Neurological and Spine Institute

Chad Morgan, MD

University of Pennsylvania

Eric Zager, MD

University of South Carolina - Greenville

Fredy J. Revilla, MD

University of Wisconsin

Amgad Hanna, MD