SEPARATE REGISTRATION REQUIRED

THURSDAY, APRIL 11 AND FRIDAY, APRIL 12
The Benzel Symposium: State-of-the-art in Complex Spine Surgery, A Scientific Tribute and Global Celebration (Separate Registration Required)
AANS Neurosurgeon Member: $500
Neurosurgeon Non-member: $625
Resident and APP Member: $350
Resident and APP Non-member: $450
Benzel Gala and Roast: $200 per person

THURSDAY, APRIL 11 AND FRIDAY, APRIL 12
The Evandro de Oliveira Symposium: Mastery and Legacy in Neuroanatomy and the Surgery of Cerebrovascular Lesions, Complex Brain Tumors and Epilepsy, A Scientific Tribute and Career Celebration (Separate Registration Required)
AANS Neurosurgeon Member: $500
Neurosurgeon Non-member: $625
Resident and APP Member: $350
Resident and APP Non-member: $450
Gala Dinner: $200 per person

SUNDAY, APRIL 14
The NeuroPoint Alliance, Inc. (NPA) and Your Practice: Using Registries to Enhance Quality, Reimbursement, Certification and Clinical Research (Separate Registration Required)
Participating in NPA Project
Physician: $250
APP and Office Administrator/Staff: $150
Fellow, Resident and Medical Student: $50
Not Participating in NPA Project
Physician: $650
APP and Office Administrator/Staff: $450
Fellow, Resident and Medical Student: $150

PRACTICAL CLINICS
Fees are listed after the course title.

APP Fee indicates a reduced fee for Advanced Practice Providers (APPs), nurses, nurse practitioners (NPs) and physician assistants (PAs).
C&MS Fee indicates a reduced fee for Candidates (Residents or Fellows) and Medical Students.

SATURDAY, APRIL 13
8 a.m.-5 p.m.
Full-day Practical Clinics

NEW
002 Bedside Biostatistics: How to Find and Use Evidence to Take Care of Patients
Fee: $600
APP Fee: $420
C&MS Fee: $130

003 You Are Never Too Old for Surgery: Spine Management in an Aging Population
Fee: $600
APP Fee: $420
C&MS Fee: $130

NEW
006 The Art and Science of Leadership: How to Maximize Personal and Team Success
Fee: $600
APP Fee: $420
C&MS Fee: $130

1-5 p.m.
Afternoon Practical Clinics

NEW
017 Complex Wound Management
Fee: $650
APP Fee: $455
C&MS Fee: $65

018 Cranio-cervical and C1C2 Stabilization Techniques, Surgical Approaches
Fee: $850
APP Fee: $655
C&MS Fee: $265

001 Society of Neurological Surgeons (SNS) Senior Resident Course: Transition to Practice
Non-CME Event
C&MS Fee: $65

007 Endovascular Neurosurgery: Understanding the Procedure - Pre and Post Care Management
Fee: $450
APP Fee: $315
C&MS Fee: $65

008 Neurotrauma and Neurocritical Care for the Practicing Neurosurgeon: MOC Review and Update
Fee: $450
APP Fee: $315
C&MS Fee: $65

009 Update on Techniques and Equipment for Neurosurgical Patient Positioning
Fee: $650
APP Fee: $455
C&MS Fee: $65

010 Laser Thermocoagulation (LITT) - How, When and Why
Fee: $450
C&MS Fee: $65

011 Fundamentals in Spinal Stabilization
Fee: $650
APP Fee: $455
C&MS Fee: $65

012 Spinal Cord Stimulation-Integrating Pain Management into Your Neurosurgical Practice
Fee: $450
APP Fee: $315
C&MS Fee: $65

013 Emerging Technologies in Spine Surgery
Fee: $650
APP Fee: $455
C&MS Fee: $65

014 Neurosurgical Care of Athletes: Concussion, Spine, Peripheral Nerve and Return-to-play
Fee: $450
C&MS Fee: $65

015 Update on the Management of Spine and Spinal Cord Injury
Fee: $450
APP Fee: $315

NEW
016 Update on the Management of Spine and Spinal Cord Injury
Fee: $450
APP Fee: $315

NEW
005 The Art and Science of Leadership: How to Maximize Personal and Team Success
Fee: $600
APP Fee: $420
C&MS Fee: $130
Meeting Reference Sheet

019 Deep Brain Stimulation (DBS): Update and New Directions
   Fee: $450

NEW
020 Robotics in Neurosurgery: Neuromodulatory Surgeries for Epilepsy and Beyond
   Fee: $650
   APP Fee: $455
   C&MS Fee: $65

NEW
021 Latest Breakthroughs for Meningiomas: Surgery vs. Radiosurgery
   Fee: $450
   C&MS Fee: $65

SUNDAY, APRIL 14
7:30 a.m.-4:30 p.m.
Full-day Practical Clinics

024 CPT Coding Update with ICD-10 for Neurosurgeons: Coding Concepts by Case Example
   Fee: $600
   APP Fee: $420
   C&MS Fee: $130

025 Introduction to Cerebrovascular Neurosurgery for Residents
   Non-CME Event
   C&MS Fee: $130

NEW
027 Global Neurosurgical Practice
   Fee: $900
   APP Fee: $630
   C&MS Fee: $130

028 Case-based Management of Traumatic Brain Injury
   Fee: $600
   APP Fee: $420

7:30-11:30 a.m.
Morning Practical Clinics

030 How to Apply to Residency
   Fee: $450
   C&MS Fee: $65

NEW
031 Complications Avoidance in Intracranial Surgery
   Fee: $450
   APP Fee: $315
   C&MS Fee: $65

NEW
032 Cerebral Bypass Surgery: Indications, Techniques, New Directions
   Fee: $650
   APP Fee: $455
   C&MS Fee: $65

033 Controversies, Complications, Indications and Advances in MIS Spine Surgery
   Fee: $450
   C&MS Fee: $65

034 Update on Tumors for the General Neurosurgeon I: Adult Gliomas and Metastases
   Fee: $450
   C&MS Fee: $65

NEW
035 Neurosurgery Around the World: Education and Other Opportunities
   Fee: $450
   APP Fee: $315
   C&MS Fee: $65

NEW
036 Pearls and Pitfalls of Open vs. Endoscopic Transsphenoidal Surgery
   Fee: $450
   APP Fee: $315
   C&MS Fee: $65

NEW
037 Brain Mapping and Awake Mapping Techniques
   Fee: $450
   C&MS Fee: $65

NEW
038 Spinal Alignment: Cervical to Pelvis... What EVERY Surgeon Needs to Know; With Case Discussions
   Fee: $450
   APP Fee: $315

NEW
039 Peripheral Nerve Injuries, Entrapments and Tumors: Examination and Evaluation
   Fee: $450
   C&MS Fee: $65

NEW
040 Update on Tumors for the General Neurosurgeon II: Skull Base, Pediatric and Spine Tumors
   Fee: $450
   APP Fee: $315
   C&MS Fee: $65

MONDAY, APRIL 15
SUNRISE SESSIONS

118 Global Neurosurgery
119 Attaining a Solid Fusion: Evidence Review and Suggestions for Success

BREAKFAST SEMINARS

100 Enhancing Neurosurgeons Productivity
101 Spinal Cord Tumors
102 New Neurons: The Future of Regenerative Therapy
103 ICH Trial Update
105 3D Simulation and Navigation for Advanced Practice Providers: A Team Based Approach
106 Sherrington’s Influence on Neurosurgery and the Incorporation of Neurophysiology into the Neurosurgical Research Paradigm: A Seminar
107 Brain Metastases 2.0: Expert Management Strategies and Challenging Cases
108 My Worst Mistakes in my First Year of Practice - Lessons Learned for Senior Residents and Recent Graduates
109 Pediatric Neurosurgery for General Neurosurgeons
110 Management of Adult Scoliosis
Meeting Reference Sheet

111 Return-to-play After Sports Injury I: Spine Injury
112 Cerebral Trauma: State-of-the-art Treatment
113 Adult Low-grade Gliomas
114 Surgical Treatment of Movement Disorders
115 New and Evolving Technologies for Minimally Invasive Lumbar Disc Surgery
116 Anticoagulation for the Neurosurgeon and Hemostasis in Neurosurgery
117 Challenging Spinal Cases: Pearls and Pitfalls

7:30-9 a.m.
150 AANS/CNS Section on Women in Neurosurgery (WINS) Breakfast Non-CME Event Fee: $100 APP Fee: $100 C&MS Fee: $65

1:40-2:30 p.m.
175 Neurosurgery “In Press”: Latest Results of Clinical Trials in Neurosurgery and Allied Fields Fee: $65 APP Fee: $65 C&MS Fee: $65

1:45-3:15 p.m.
178 Advanced Practice Providers Luncheon: The Science of Practice: Gaining the Trust of the Pediatric Neurosurgical Patient and Family - How to Dance Your Way into Their Hearts! APP Fee: $25

6:30-9 p.m.
Young Neurosurgeons Evening at the San Diego Zoo Non-CME Event Fee: $25 Medical Student: $10

6:30-9:30 p.m.
151 AANS Section on the History of Neurological Surgery Annual Dinner Non-CME Event Fee: $160

7-9 p.m.
DINNER SYMPOSIA
176 Novel Techniques and Strategies to Treat Spine Disease in the Aging Population Fee: $195
177 New Strategies for Endovascular Aneurysm Treatment Fee: $195

TUESDAY, APRIL 16

7-9 a.m.
NEW
218 Common Pitfalls and Artifacts on Brain CT and MRI Imaging
219 ABNS Board Preparation: What You Must Know

BREAKFAST SEMINARS
Breakfast Seminar Fees Fee: $150 C&MS Fee: $65

7-9 a.m.
NEW
200 Transvenous AVM Embolization

NEW
201 Precision Medicine for Individualized VTE Prophylaxis in the Neurosurgical Patient, Including Trauma and Critical Care

NEW
202 Neurocritical Care Documentation, Coding, Billing, & Practice: Pearls and Pitfalls to Maximize Revenues and Outcomes

NEW
203 Meet the Experts: The Business of Neurosurgery

NEW
204 Leveraging Your Leadership Style

NEW
206 The APP and Neurosurgical On Call - When should I Call the Surgeon?
207 Lumbar Fusion and Non Fusion Intra-Laminar Stabilization: Options, Indications and Considerations
208 Chiari Malformations: Diagnosis, Treatments and Failures
209 Controversies in Cerebrovascular and Endovascular Neurosurgery

NEW
210 “Seeing Inside”: Early Experiences with Diagnostic and Therapeutic X-ray in Neurosurgery
211 Pituitary Tumors
212 Peripheral Nerve Entrapment Syndromes
213 Management of Acute Spinal Cord Injury
214 Return-to-play After Sports Injury II: Concussion
216 Cavernous Malformation: Current Controversies in Management
217 The Use of Opioids in Neurosurgical Practice: How to be Safe, Effective and Compliant with New Prescribing Laws

1:45-3:15 p.m.
250 Young Neurosurgeons Luncheon Non-CME Event Fee: $10 C&MS Fee: $10

1:45-3:30 p.m.
278 Mentorship: Lessons in Resiliency Fee: $150 C&MS Fee: $65
2:30-6 p.m.
275 Advancements in Neurotrauma Care
Fee: $100
APP Fee: $100
C&MS Fee: $100

7-9 p.m.
DINNER SYMPOSIA
276 Ripped from the Headlines - Doctors in Medico-legal Crosshairs: Lessons Learned to Keep Lawyers and Regulators Away
Fee: $195

NEW
277 Time for Change: The Future of Neurosciences Delivery and Integration
Fee: $195

WEDNESDAY, APRIL 17

SUNRISE SESSIONS
Sunrise Session Fees
Fee: $105
C&MS Fee: $20

7-9 a.m.
306 Peri-operative Pain Management - is Narcotic Free America Possible?
307 Shoulder vs. Spine: Differentiating Shoulder and Cervical Spine Pathology

BREAKFAST SEMINARS
Breakfast Seminar Fees
Fee: $150
C&MS Fee: $65

7-9 a.m.
NEW
300 Past, Present and Future of Carotid Stenosis
301 Contemporary Management of Spinal Fractures
303 Cervical Spondylotic Myelopathy
304 Management of Cranial Incidental Imaging Findings
305 The Spectrum of Adjuvant Therapy for Brain Tumors