



# Meeting Reference Sheet

## 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

**8 a.m.-12 p.m.**  
**Morning Practical Clinics**

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

#### NEW

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

#### NEW

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: \$165

#### NEW

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

**1-5 p.m.**  
**Afternoon Practical Clinics**

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

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

#### 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



# 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

**12:30-4:30 p.m.**

### Afternoon Practical Clinics

**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

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

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

039 Peripheral Nerve Injuries, Entrapments and Tumors: Examination and Evaluation  
Fee: \$450  
C&MS Fee: \$65  
APP Fee: \$315

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

Sunrise Session Fees  
Fee: \$105  
C&MS Fee: \$20

**7-9 a.m.**

118 Global Neurosurgery

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

### BREAKFAST SEMINARS

Breakfast Seminar Fees  
Fee: \$150  
C&MS Fee: \$65

**7-9 a.m.**

**NEW**

100 Enhancing Neurosurgeons Productivity

**NEW**

101 Spinal Cord Tumors

**NEW**

102 New Neurons: The Future of Regenerative Therapy

**NEW**

104 ICH Trial Update

**NEW**

105 3D Simulation and Navigation for Advanced Practice Providers: A Team Based Approach

**NEW**

106 Sherrington's Influence on Neurosurgery and the Incorporation of Neurophysiology into the Neurosurgical Research Paradigm: A Seminar

**NEW**

107 Brain Metastases 2.0: Expert Management Strategies and Challenging Cases

**NEW**

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

### SUNRISE SESSIONS

Sunrise Session Fees  
Fee: \$105  
C&MS Fee: \$20

---

### 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



## Meeting Reference Sheet

### **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  
302 Fast Tracking Patients in Neurosurgery:  
Protocols and Pathways for Enhanced  
Recovery  
303 Cervical Spondylotic Myelopathy  
304 Management of Cranial Incidental  
Imaging Findings  
305 The Spectrum of Adjuvant Therapy for  
Brain Tumors