Course Description
This course provides a peer review forum for the discussion of complications related to spinal surgery. Management, technical, and equipment-related issues will be discussed in order to pass along lessons learned, point out safety concerns, and improve the surgical management of patients with spine disorders.

Participants will be asked to present a complicated case of their own, and engage in discussion with peers and expert faculty on management and preventative strategies.

Learning Objectives
• Upon completion of this course, participants will be able to:
  Recognize factors that lead to complications and poor outcomes when treating spine disorders
• Discuss new and different strategies for how to best resolve spine surgery complications should they arise
• Discuss current research and developments in diagnostic techniques, methods of therapy, and treatment alternatives for the management of spine diseases

Accreditation
The Congress of Neurological Surgeons is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement
The CNS designates this live activity for a maximum of 16 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Course Directors
• Daniel J. Hoh
• Adam S. Kanter
• Praveen V. Mummaneni

Course Faculty
• Sigurd Berven
• Erica F. Bisson
• John R. Dimar
• Catherine Miller-Simington
• David O. Okonkwo
• John Pollina
• Daniel K. Resnick
• Terry Rooney
• Michael Wang
Agenda

**Friday, February 4**

6:00-7:45 am  
**Breakfast Session:** Cervical Spine Dilemmas  
Moderators: Daniel K. Resnick, John Pollina, Daniel Hoh

7:45-9:30 am  
Thoracolumbar Quandries  
Moderators: Adam Kanter, John R. Dimar

9:30-11:15 am  
Minimally Invasive Mishaps  
Moderator: Michael Wang, Praveen Mummaneni

11:15 am-12:00 pm  
Deformity Disasters  
Moderators: Sigurd Berven, David O. Okonkwo

12:00-5:00 pm  
**Open Afternoon**

6:00-7:30 pm  
**Opening Reception**  
Non-CME Sponsored Talks (TBD)

**Saturday, February 5**

6:00-7:45 am  
**Breakfast Session:** Geriatric Surgery Gone Awry  
Moderators: John Dimar, Catherine Miller-Simington, Daniel K. Resnick

7:45-9:30 am  
It Was the Implant’s Fault!  
Moderators: David O. Okonkwo, Sigurd Berven

9:30-10:15 am  
Robots and Technology: Humans vs. Machines  
Moderator: Praveen Mummaneni, Michael Wang, John Pollina

10:15-11:00 am  
Attendee Case Presentation  
Moderators: Erica F. Bisson, Daniel J. Hoh

11:00 am-12:00 pm
Sunday, February 6

6:00-7:45 am  
**Breakfast Session:** Trauma and Tumors: Trials and Tribulations  
Moderators: John R. Dimar, Catherine Miller-Simington, Daniel K. Resnick

7:45-9:30 am  
Spinal Abscess & Hematoma: Drainage & Debridement Distress  
Moderators: Adam S. Kanter, John Pollina, Sigurd Berven

7:45-9:30 am  
Optional Breakout Session: Oral Board Prep Cases (degenerative, tumor, trauma, infection, deformity)  
Room: Arches A and B  
Faculty: Catherine Miller-Simington, David O. Okonkwo

9:30-10:00 am  
**Closing Remarks**  
Speakers: Daniel J. Hoh, Adam S. Kanter, Praveen V. Mummaneni

*Agenda and faculty subject to change*

**CNS Disclosure Policy:**  
The Congress of Neurological Surgeons controls the content and production of this CME activity and attempts to assure the presentation of balanced, objective information. In accordance with the Standards for Commercial Support established by the Accreditation Council for Continuing Medical Education, speakers are asked to disclose any relationship they have with commercial interests* which may be related to the content of their lecture. Speakers who have disclosed a relationship with commercial interests whose products may have a relevance to their presentation are listed below.

Any planner, reviewer or faculty member not on the disclosure list has reported they have nothing to disclose.