

***The 37<sup>th</sup> Annual  
NEUROSURGERY IN THE ROCKIES  
PROGRAM***

**Presented by the  
*Department of Neurosurgery  
University of Colorado School of Medicine  
and  
The Colorado Neurosurgical Society***

**Sponsored by the  
*University of Colorado School of Medicine  
Office of Continuing Medical Education***

**Honored Guest Speaker, Allen Sills, MD**

**Meeting Director, D. Ryan Ormond, MD, PhD**

**Scientific Committee:  
Peter Lennarson, MD - Chair  
Ernest Braxton, MD  
Richard Hughes, MD**

***(Please note that all times listed are MDT)***

## ***Sunday***

- 1:00 – 4:00 pm      **Vendor Set-up and Registration**
- 4:00 – 8:00 pm      Registration
- Degenerative Spine and Welcome –**  
                         **Moderator: D. Ryan Ormond, MD, PhD**
- 4:00 - 4:20 pm      **Welcome and Introduction to the meeting and Neurosurgery in**  
                         **Colorado**  
                         D. Ryan Ormond, MD, PhD
- 4:20 – 4:40 pm      **I asked a ChatGPT to Write an Editorial About How We Can**  
                         **Incorporate Chatbots Into Neurosurgical Research and Patient Care**  
                         David Langer, MD
- 4:40 – 5:00 pm      **Minimally invasive TLIF**  
                         Kaushik Das, MD
- 5:00 – 5:15 pm      **Patient safety in spinal deformity surgery: standard work protocols,**  
                         **moral hazard in decision making, prospective validation and protocol**  
                         **development and validation.**  
                         Sigurd Berven, MD
- 5:15 – 5:45 pm      Snack break with vendors
- 5:45 – 6:00 pm      **Clinical validation of a novel musculoskeletal modeling framework to**  
                         **predict postoperative sagittal alignment.**  
                         Jens- Peter Witt, MD
- 6:00 – 6:20 pm      **Ultrasound-guided bilateral erector spinae plane nerve blocks.**  
                         Ernest Braxton, MD
- 6:20 – 6:40 pm      **Avoiding pitfalls in anterior spinal access.**  
                         John Schoeff, MD
- 6:40 – 7:00 pm      **Posterior Transpedicular Approach with Trench Vertebrectomy for**  
                         **Treatment of Giant Thoracic Disc Herniation: Case Series,**  
                         **Description of Operative Technique, and Review of Literature.**  
                         Blake Wittenberg, MD
- 7:00 pm**              ***Opening reception and dinner***

## ***Monday***

- 6:30 - 8:30 am Breakfast
- 6:30 – 9:30 am **Exhibit Viewing**
- 6:30 - 7:00 am Annual business meeting Colorado Neurosurgical Society
- Spinal lesions (non-trauma) CME Lectures – Moderator:**
- 7:00 - 7:20 am **Algorithmic multimodality approach to diagnosis and treatment of spinal CSF leak and venous fistula in patients with spontaneous intracranial hypotension.**  
Peter Lennarson, MD
- 7:20 – 7:40 am **Long-Term Reoperation Rates After Open versus Minimally Invasive Spine Surgery for Degenerative Lumbar Disease: Five Year Follow-Up of 2130 Patients**  
Mick Perez-Cruet, MD
- 7:40 – 8:00 am **Spine Robotics: Accuracy, cost and efficiency.**  
Kevin Foley, MD
- 8:00 – 8:15 am **pediatric spine lecture,**  
Mohammed Alshareef, MD
- 8:15 - 8:35 am Coffee break with vendors**
- 8:35 – 8:50 am **Managing prior authorization denials to improve patient care in spine surgery.**  
Ladislau Albert Jr., MD
- 8:50 – 9:10 am **Awake vs asleep TLIF**  
Colin Gold, MD
- 9:10 – 9:30 am **Nonoperative management of kyphoscoliosis.**  
Reinier Alvarez, MD
- 4:00 – 7:00 pm **Exhibit Viewing**
- CME lectures (SCI and spine trauma) – Moderator:**
- 4:00 – 4:55 pm **Honored guest-led panel discussion on concussion: difficult cases**  
Allen Sills, Kerry Brega, Peter Lennarson
- 4:55 - 5:25 pm **Snack break with vendors**
- 5:25 – 5:40 pm **Cauda equina syndrome, presentation, management and outcome**  
Josh Beckman, MD

- 5:40 – 6:00 pm      **Operative management of central cord syndrome**  
Adam Smith, MD
- 6:00 – 6:20 pm      **Cranio-cervical instability in trauma: halo fixation vs OC fusion**  
Wissam Asfahani, MD
- 6:20 – 6:40 pm      **Minimally invasive surgical approaches in trauma**  
Lindsey Freeman, MD
- 6:40 – 7:00 pm      **Traumatic spondylolisthesis.**  
Greg Chatain, MD

***Tuesday***

6:30-8:30 am Breakfast

**6:30 – 9:30 am Exhibit Viewing**

**CME Lectures, Trauma– Moderator:**

7:00 - 7:40 am **Diagnosis and Management of Concussion in the NFL**  
Allen Sills, MD

7:40 – 7:55 am **Concussion in youth sports.**  
Julia Pazniokas, MD

7:55 – 8:25 am **Coffee break with vendors**

8:25 - 8:40 am **Blunt cerebrovascular injury: evaluation and management**  
Shelly Timmons, MD

8:45 - 9:00 am **Psychedelics for traumatic brain injury**  
Alexa Cameron, RN

9:00 – 9:20 am **Peripheral nerve trauma**  
Alexander Yang, MD

**4:00 pm Exhibit Viewing**

**CME (moderate to severe TBI)– Moderator:**

4:00 - 4:40 pm **Emergency preparedness in Sport – are you ready for catastrophic injury?**  
Allen Sills, MD

4:40 – 5:00 pm **Traumatic vasospasm in severe TBI**  
Luis Cava, MD

5:00 – 5:15 pm **The evolving role of ICP management and hemicraniectomy in severe TBI.**  
Will Harris, MD

5:15 – 5:45 pm **Snack break with vendors**

5:45 – 6:00 pm **Trigeminal neuralgia management**  
Robert Breeze, MD

6:00 – 6:20 pm **What has Deep Brain Stimulation taught us about the pathophysiology of Parkinson's disease?**  
Yasin Temel, MD

6:20 – 6:40 pm

**An update on advanced therapies for Parkinson's disease: from gene therapy to neuromodulation.**

Steve Ojemann, MD

6:40 – 7:00 pm

**The role of the piriform cortex in temporal lobe epilepsy.**

Daniel Kramer, MD

## ***Wednesday***

6:30-8:30 am Breakfast

**6:30 – 9:30 am Exhibit Viewing**

### **CME Lectures – Moderator:**

#### **Early brain tumor/functional, later stroke/vascular/critical care**

- 7:00 - 7:20 am **Exploring the Role of Spectroscopic MRI in Brain Tumor Management: Current Trends and Future Directions.**  
Jeff Olson, MD
- 7:20 – 7:40 am **High-grade glioma imaging volumes and survival**  
Randy Jensen, MD
- 7:40 – 8:00 am **Treatment of Adult craniopharyngioma: Review**  
Kevin Lillehei, MD
- 8:00 – 8:20 am **Third Ventricular Subependymomas: Clinical Features and Outcomes Over Two Decades**  
Isabelle Germano, MD
- 8:20 – 8:40 am **Stereotactic radiosurgery for trigeminal neuralgia secondary to tumor: a single-institution retrospective series.**  
Tim Ung, MD
- 8:40 – 9:00 am **Focused ultrasound and the opening of the blood brain barrier**  
D. Ryan Ormond, MD, PhD
- 9:00 – 9:20 am **Improving Surgeon well-being: ergonomics in neurosurgery.**  
Costas Hadjipanayis, MD
- 9:20 – 9:35 am **Preradiosurgical embolization of AVMs**  
Evan Winograd, MD
- 9:35 – 10:05 am Coffee Break with vendors
- 10:05 – 10:20 am **Surgical management of spontaneous IPH.**  
Jessa Hoffman, MD
- 10:20 – 10:40 am **Safety and efficacy of the Pipeline Flex embolization device with Shield Technology for the acute treatment of ruptured internal carotid artery pseudoaneurysms**  
Josh Seinfeld, MD
- 10:40 – 11:00 am **Vascular title TBD,**  
Nikolay Velinov, MD

11:00 – 11:20 am **Untangling modern treatment paradigms for unruptured brain AVMs.**

Chris Roark, MD

11:20 – 11:40 am **Hydrocephalus, sonolucent cranioplasty and ultrasound**

Mark Luciano, MD

11:40am – 12:00pm **The role of ETV/CPC in the West**

Todd Hankinson, MD

**12:00 pm - 12:30 pm**                      **Lunch**

12:30 pm                      Meeting adjourns