The 37th 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
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<thead>
<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>5:40 – 6:00 pm</td>
<td>Operative management of central cord syndrome</td>
<td>Adam Smith, MD</td>
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<td>6:00 – 6:20 pm</td>
<td>Cranio-cervical instability in trauma: halo fixation vs OC fusion</td>
<td>Wissam Asfahani, MD</td>
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<td>6:20 – 6:40 pm</td>
<td>Minimally invasive surgical approaches in trauma</td>
<td>Lindsey Freeman, MD</td>
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<td>6:40 – 7:00 pm</td>
<td>Traumatic spondylolisthesis.</td>
<td>Greg Chatain, MD</td>
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### Tuesday

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<th>Time</th>
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<tr>
<td>6:30-8:30 am</td>
<td>Breakfast</td>
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<td><strong>6:30 – 9:30 am</strong></td>
<td>Exhibit Viewing</td>
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<td><strong>CME Lectures, Trauma– Moderator:</strong></td>
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<tr>
<td>7:00 - 7:40 am</td>
<td><strong>Diagnosis and Management of Concussion in the NFL</strong></td>
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<td>Allen Sills, MD</td>
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<td>7:40 – 7:55 am</td>
<td><strong>Concussion in youth sports.</strong></td>
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<td>Julia Pazniokas, MD</td>
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<td>7:55 – 8:25 am</td>
<td><strong>Coffee break with vendors</strong></td>
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<td>8:25 - 8:40 am</td>
<td><strong>Blunt cerebrovascular injury: evaluation and management</strong></td>
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<td>Shelly Timmons, MD</td>
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<td>8:45 - 9:00 am</td>
<td><strong>Psychedelics for traumatic brain injury</strong></td>
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<td>Alexa Cameron, RN</td>
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<td>9:00 – 9:20 am</td>
<td><strong>Peripheral nerve trauma</strong></td>
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<td>Alexander Yang, MD</td>
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<td><strong>4:00 pm</strong></td>
<td>Exhibit Viewing</td>
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<td><strong>CME (moderate to severe TBI)– Moderator:</strong></td>
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<td>4:00 - 4:40 pm</td>
<td><strong>Emergency preparedness in Sport – are you ready for catastrophic injury?</strong></td>
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<td>Allen Sills, MD</td>
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<tr>
<td>4:40 – 5:00 pm</td>
<td><strong>Traumatic vasospasm in severe TBI</strong></td>
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<td>Luis Cava, MD</td>
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<td>5:00 – 5:15 pm</td>
<td><strong>The evolving role of ICP management and hemicraniectomy in severe TBI.</strong></td>
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<td>Will Harris, MD</td>
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<td>5:15 – 5:45 pm</td>
<td><strong>Snack break with vendors</strong></td>
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<td>5:45 – 6:00 pm</td>
<td><strong>Trigeminal neuralgia management</strong></td>
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<td>Robert Breeze, MD</td>
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<td>6:00 – 6:20 pm</td>
<td><strong>What has Deep Brain Stimulation taught us about the pathophysiology of Parkinson’s disease?</strong></td>
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<td>Yasin Temel, MD</td>
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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