

The 39th Annual Neurosurgery in the Rockies

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, Prof. Dr. Walter Stummer

Meeting Director, D. Ryan Ormond, MD, PhD

Scientific Committee:
Kevin Lillehei, MD - Chair
Ernest Braxton, MD
Bob Breeze, MD
D. Ryan Ormond, MD, PhD

(Please note that all times listed are MDT)

Sunday

1:00 - 4:00 PM	Vendor Set-up and Registration - Cascade Foyer
4:00 - 8:00 PM	Registration - Cascade Foyer
4:00 - 7:00 PM	Brain Tumors - Moderator D. Ryan Ormond, MD, PhD
	Welcome and Introduction - Dr. Ryan Ormond, MD, PhD
	Next-Gen ALA Tumor Fluorescence: AI, Quantification & Surgical Decision Making - Walter Stummer, MD
4:55 - 5:25 PM	Snack Break with Vendors - Cascade Foyer
	Biology and Current Clinical Trials for Childhood Craniopharyngioma - Todd Hankinson, MD
	Radiographic predictors of surgical approaches and clinical outcomes in pediatric adamantinomatous craniopharyngioma: a multi-center study. - Yan Zhou
	Development and Characterization of Organoid and Mouse Model Systems of Adamantinomatous Craniopharyngioma. - Aaron J. Knox
	Increased Incidence of Glioblastoma in Immunosuppressed Receipts of Transplanted Organs - Christopher Carr, MD
	Arterial Spin Labeling in Recurrent Glioblastoma Predicts Microscopic Tumor Composition by Molecular Subtype. - Eric Montgomery, MD
7:00 PM	Opening Reception and Dinner

Monday

6:30-8:30 AM Breakfast - Cascade Ballroom C

6:30-9:30 AM Exhibit Viewing

6:30 - 7:00 AM Annual Business meeting: Colorado Neurosurgical Society

7:00 - 9:30 AM Brain Tumors - Moderator - Kevin Lillehei, MD

Exploiting 5-ALA-Induced Porphyrins for Local Glioma Treatment: Photodynamic, Sonodynamic and Radiation-Induced Activation - Walter Stummer, MD

7:45-8:15 AM Coffee Break with Vendors

Antiviral Prophylaxis in Preventing Delayed Facial Nerve Palsy Following Vestibular Schwannoma Resection. - Reinier Alvarez, MD

Preoperative Steroid Use and Surgical Site Infection Risk in Brain Tumor Surgery: A Systematic Review - Fabio Grassia, MD

Exploiting Metabolic Vulnerabilities in Glioblastoma: A Review of Genetic Alterations, Metabolic Adaptations, and Emerging Therapeutic Interventions. - Jawad A. Saad, MD Candidate

Advances in Ventriculoscopy for the Brain Tumor Surgeon. D. Ryan Ormond, MD, PhD

4:00-7:00 PM Exhibit Viewing

4:00 - 7:00 PM Brain Tumors - Moderator - Ryan Ormond, MD, PhD

Panel Discussion: Common but Controversial Tumor Cases - Moderator, Walter Stummer, MD

4:55 - 5:25 PM Snack Break with Vendors

AI at the Sella Turcica: Multi-Model Large Language Model Evaluation in Pituitary Adenomas. - Rauf Nasirov, MD

Innovation and Technology in Neurosurgical Oncology. Innovation and Technology in Neurosurgical Oncology. - Isabelle Germano, MD

Advances in Ventriculoscopy for the Brain Tumor Surgeon - D. Ryan Ormond, MD, PhD

Tuesday

6:30 - 8:30 AM

Breakfast

6:30-9:30 AM

Exhibit Viewing

7:00 - 8:30 AM

Functional - Moderator - Steve Ojemann, MD

Revealing the Thalamic Connectome: From Microdissection and Tractography to Targeted Neuromodulation.
- Vanessa Milanese

Pulsatile Tinnitus: It's Not a DSM Diagnosis, it's in the Blood - Diagnosis and Work-up to Determine an Etiology. - Zachary Barnard, MD

Peripheral Nerve Stimulation for Atypical Craniofacial Pain. - William Harris, MD

Neurophysiologic Features of Centromedial Nucleus and its Subregions to Guide Surgical Targeting. - Meg Ryan, MD

8:10 - 8:45 AM

Coffee Break with Vendors

Theta Oscillations and Oculomotor Coupling in Cognitive and Memory Networks. - Matthew Svalina, MD

Current Status of Cell Therapies for Movement Disorders and Epilepsy. - Steven Ojemann, MD

4:00-7:00 PM

Exhibit Viewing

4:00 - 7:00 PM

Vascular - Moderator - Joshua Seinfeld, MD

Drug-eluting versus self-expanding stents as a rescue strategy in Acute Ischemic Stroke: A single center series and technical perspective. - Joshua Seinfeld, MD

The Feasibility of Venous Sinus Manometry under General Anesthesia with Controlled Cardiorespiratory Parameters. - Ahmed Helal, MD

Predictors of Morbidity and Mortality in Aneurysmal Subarachnoid Hemorrhage: Insights from 2 decades of National Data. - Mohamed Salem, MD

Risks of Treatment Using Synergistic Surgical and Endovascular Management of Unruptured Intracranial Aneurysms: A Multicenter Analysis. - Christopher S. Ogilvy, MD

5:15-5:45 PM

Snack Break with Exhibitors

5:45 - 7:00 PM

Spine/Trauma - Moderator - Ernest Braxton, MD

Trouble in Paradise: A Clinical Vignette and Literature Review of Surfer's Myelopathy from the Home of Surf Culture. - Aiyana Adams, MD Candidate

Duraplasty in Acute Spinal Cord Injury: A Systemic Evidence Gap Analysis of Neurological Outcomes and Complications. - Fabio Grassia, MD

Epidural Stimulation after Spinal Cord Injury: A New Standard of Care. - Uzma Samadani, MD

Review of Brachial Plexus Injury. - James Berry, MD

Wednesday

6:30 – 8:30 AM Breakfast

6:30-9:30 AM Exhibit Viewing

7:00 – 9:30 AM Spine – Moderator – Ernest Braxton, MD

Robotic Spine Surgery for the treatment of Ankylosing Spondylitis traumatic fractures – Martin Herman, MD

Organized Neurosurgery and Peer Review. - Michael Chabraja, MD

Title TBD. – Shekar Kurpad, MD

Cervical Deformity. – Sonny Gill, MD

8:50 – 9:20 AM Coffee Break with Vendors

9:20 – 12:00 PM General Neurosurgery – Moderator – Ryan Ormond, MD, PhD

Advocacy and Professionalism. – Ciara Harraher, MD

Global Neurosurgery. – Dilan Ellegala, MD

The Predictive Value of Bern Score Criteria and Symptom Duration for CSF-Venous Fistula Ligation Outcomes. – Ahmed Helal, MD

Early Intervention Protocol for Neonatal Intraventricular Hemorrhage: How Early are we Really Intervening? – Julia Pazniokas, MD

A Triangular Anterior Fontanelle is Associated with Sagittal Craniosynostosis. – C. Corbett Wilkinson, MD

Small Intestine Submucosa (SIS): The Future of Dural Grafts. – Peter Fecci, MD, PhD

12:00 – 1:00 PM Lunch

1:00 PM Meeting Adjourns

Faculty:

