

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 Ormind, 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:

