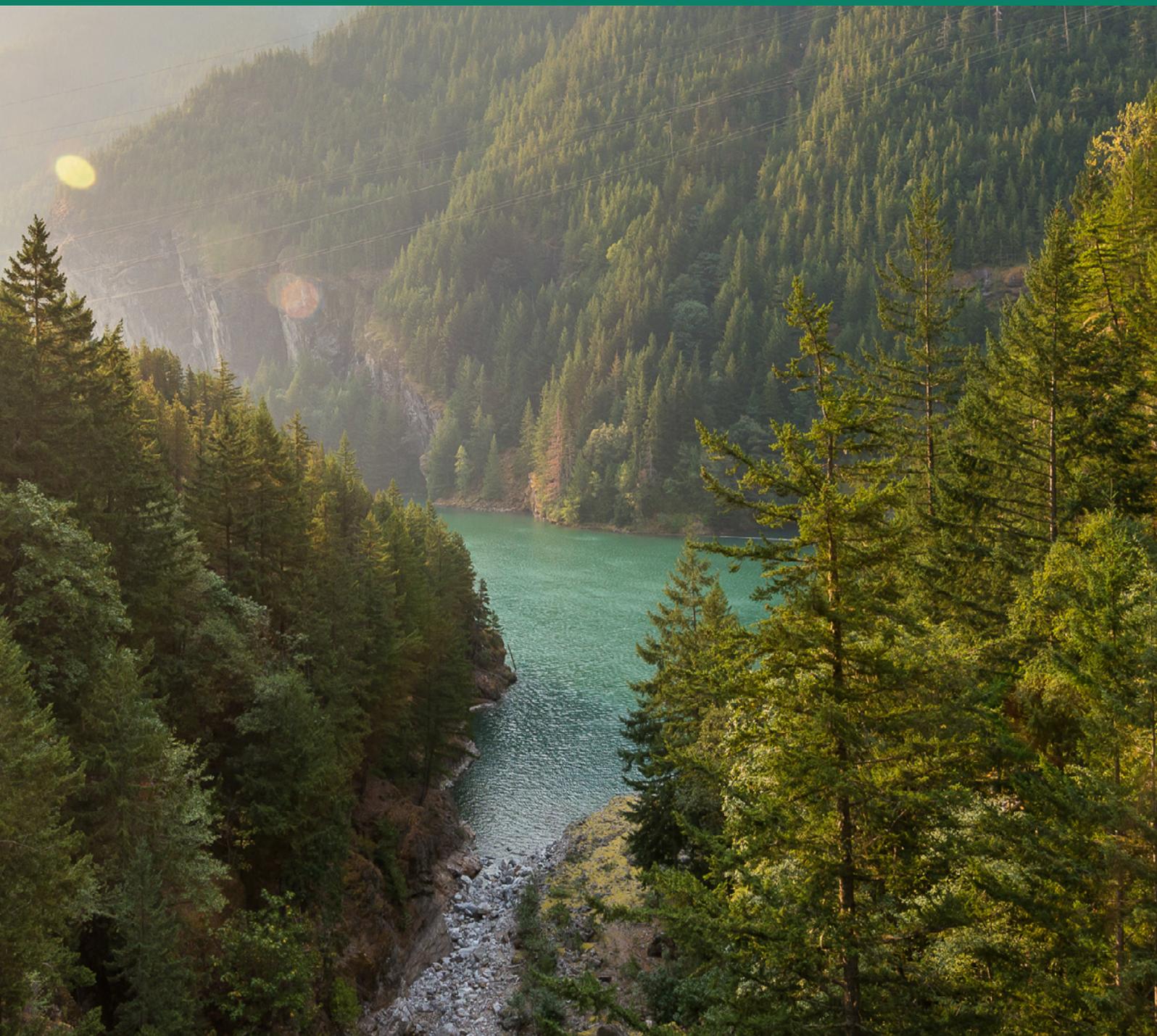


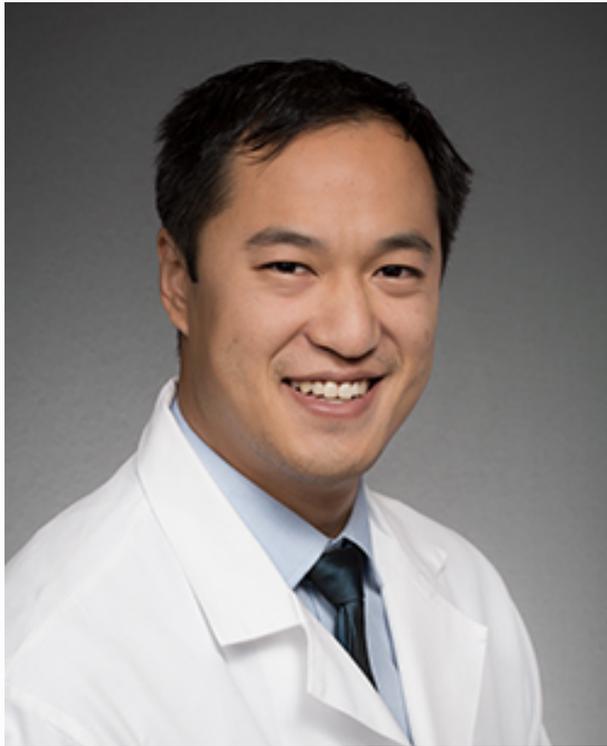
2025 WSANS

ANNUAL CONFERENCE

SEPTEMBER 26th - 28th • SUNCADIA RESORT • CLE ELUM, WASHINGTON



WELCOME LETTER



On behalf of the Washington State Association of Neurological Surgeons, welcome to the 2025 WSANS Annual Conference here at the beautiful Suncadia Resort.

It is an honor to serve as President of this organization, with its rich history of connecting colleagues from across the state. I am so grateful that you would take time from busy lives to be here, and I am looking forward to sharing an educational and enjoyable weekend with you all.

The agenda has been carefully crafted to cover a wide range of neurosurgical topics. We hope to provide both a glimpse into the current state of the art, as well as what the future holds. Importantly, we hope that the presentations this weekend impact not only how we do neurosurgery, but examine how doing

neurosurgery can impact us, both mentally and physically. "Cura te ipsum," as they say.

I would like to welcome as members those working beside us, the RNs, ARNPs, PAs, and colleagues that make our practices what they are. In doing so, we hope to foster a more broad, active participation in the development and growth in WSANS, including these valuable perspectives, which are so necessary for the vitality of our field.

We offer CME Category 1 credits for this meeting. WSANS will cover the cost for these credits for all members and associates that attend the annual meeting and renew membership. We are also grateful for the continued sponsorship of our industry colleagues, whose support makes these educational events possible. Thank you all again for attending the 2025 meeting.

I love what we do, and the people with whom we do it. It is going to be a great weekend.

Sincerely,

Andrew L. Ko, MD, President

WASHINGTON STATE ASSOCIATION OF NEUROLOGICAL SURGEONS



COURSE DESCRIPTION

The 2025 WSANS Annual Conference at Suncadia Resort serves as an update for Washington State neurosurgeons, ARNPs, PA-Cs and nurses that provide neurosurgical care in the state of Washington to assemble and discuss a number of relevant topics, with the primary goal of providing current state of treatment in conditions of spine, tumor, vascular and functional neurosurgery.

COURSE OBJECTIVES

- Attendees will be able to identify the major considerations in deciding whether fusion is needed or not.
- Attendees will be familiar two new developments in technology affecting endovascular treatment of aneurysms and stroke.
- Attendees will be able to identify ergonomic factors to be aware of during neurosurgery.
- Attendees will be able to identify common pain syndromes affecting neurosurgeons
- Attendees will learn and be able to discuss developments in pediatrics, trauma and tumor Neurosurgery.

ACCREDITATION STATEMENT

This educational activity is designated for a maximum of 8 hours of AMA PRA Category 1 Credit(s). This live activity has been planned and implemented in accordance with the accreditation requirements and policies of the Colorado State Medical Society through the joint providership of Gritman Medical Center and Washington State Association of Neurological Surgeons. Gritman Medical Center is accredited by the Colorado State Medical Society to provide continuing medical education for physicians.

HOW TO GET YOUR CME CERTIFICATE

Self-reporting CME certificates will be available for download via the WSANS website (wsans.org) starting on Sunday, September 28, 2025.

DISCLOSURES

The presenters, WSANS Board, and administrative team, have disclosed any relevant financial relationships with any commercial interest for themselves or their spouse. The standard is primarily here to not prevent speakers from speaking, but so the participants have full disclosure on the facts, so they can form their own judgment of the content.

AGENDA

FRIDAY, SEPTEMBER 26, 2025

4:30 PM	REGISTRATION OPENS
5:30 – 7:00 PM	WELCOME RECEPTION AND EXHIBIT FAIR
6:00 – 6:30 PM	WORKSHOP: “Modernize Your Practice with AI: Elevate Efficiency. Accelerate Approvals. Maximize Reimbursement.”
6:30 – 8:00 PM	DINNER BUFFET
6:45 – 7:00 PM	WELCOME BY WSANS PRESIDENT Andrew Ko, MD, Neurosurgeon, UW Medicine
7:00 – 7:45 PM	“The Art of Being: Humanizing Healthcare, Cultivating Fulfillment and Rediscovering Meaning” Sarah Hermanson, DNP, ARNP, Neurology, Executive Coach & Consulting, Chicago, IL
7:45 – 8:30 PM	KEYNOTE: “Leadership and Neurosurgery in Crisis” Richard Ellenbogen, MD, Neurosurgeon, Chairman of Neurosurgery, UW Medicine

SATURDAY, SEPTEMBER 27, 2025

7:30 – 8:30 AM	BREAKFAST BUFFET SPONSORED BY BRAINLAB, AND EXHIBIT FAIR
7:30 – 8:00 AM	“New Findings, Treatments, Strategies for Common Pediatric Neurosurgical Pathologies” Matt Recker, MD, Pediatric Neurosurgeon, Seattle Children’s
8:00 – 8:30 AM	“Trauma Updates” Ali Ravanpay, MD & Robert Bonow, MD, Neurosurgeons, UW Medicine
8:30 – 9:00 AM	“Stereotactic Radiosurgery Updates” Christopher Loiselle, MD, Radiation Oncologist, Swedish
9:00 – 9:30 AM	“Pain in the Neurosurgeon” Fangfang Xing, MD, Pain Medicine, Swedish
9:30 – 10:00 AM	“Don’t Break Your Back Fixing Others: Ergonomic Considerations in Neurosurgery” Farrokh Farrokhi, MD, Neurosurgeon, Virginia Mason Franciscan Health
10:00 – 10:15 AM	BREAK
10:15 – 10:45 AM	“Delirium in the NCCU/Neurosurgery Patient: Recognition and Treatment” Dean Hamilton, DNP, ARNP, Neurocritical Care & Neuroradiology, Swedish Cerebrovascular Center

AGENDA (continued)

SATURDAY, SEPTEMBER 27, 2025

10:45 – 11:15 AM “STAR (STA Retrograde) Access for Neurointerventions”
Akshal Patel, MD, Neuroradiologist, Swedish Cerebrovascular Center

11:15 – 12:15 PM **RESEARCH PRESENTATIONS:**
“Structural Changes of Pipeline Embolization Device Utilized for Treatment of Intracranial Aneurysms”
Clint Badger, DO, Neuro Cerebro/Endovascular Fellow, Swedish

“Expanding Indications for Thrombectomy”
Tye Patchana, DO, Neuro Cerebro/Endovascular Fellow, Swedish

“The Role of Brain Capillary Pericytes in Delayed Cerebral Ischemia After Aneurysmal Subarachnoid Hemorrhage”
Julian Clarke, MD, Neurosurgery Resident, UW Medicine

“The Role of Neutrophil Extracellular Traps (NETs) in Acute Ischemic Stroke Severity and Influence on Treatment Failure”
Dominic Nistal, MD, Neurosurgery Resident, UW Medicine

12:15 – 1:15 PM **LUNCH**

12:30 – 1:00 PM **LUNCH TALK**
“Start-ups: Succeeding Despite 5% Odds”
Ray King, MD, MBA, Phasor Health

1:15 – 5:30 PM **TIME ON YOUR OWN**

5:30 – 6:30 PM **RECEPTION, EXHIBIT FAIR AND BINGO**

6:00 – 6:30 PM **WORKSHOP:**
“Modernize Your Practice with AI: Elevate Efficiency. Accelerate Approvals. Maximize Reimbursement.”

6:30 – 7:30 PM **DINNER BUFFET**

7:00 – 7:30 PM “MISS-ing the Fusion? Redrawing the Boundaries of Spinal Decompression Surgery”
Christoph Hofstetter, MD, PhD, Neuro & Spine Surgeon, UW Medicine

7:30 – 8:00 PM “Degenerative L4 Five Spondylolisthesis with Stenosis: Do We Always Have to Fuse?”
Jens Chapman, MD, Orthopedic & Spine Surgeon, Swedish

8:00 – 9:00 PM **DISCUSSION, DEBATE: FUSION VS. NONFUSION**
Moderator: Katie Krause, MD, PhD
Panelists: Jens Chapman, MD & Christoph Hofstetter, MD, PhD

AGENDA (continued)

SUNDAY, SEPTEMBER 28, 2025

8:00 – 10:00 AM **BREAKFAST BUFFET, WSANS BUSINESS MEETING**

11:00 AM **SUNCADIA CHECK-OUT TIME**

THANK YOU FOR ATTENDING!

WSANS Executive Board Members:

Andrew Ko, MD, President
Stephen Monteith, MD, Vice President
Ali Ravanpay, MD, PhD, Treasurer
Katie Krause, MD, PhD, Secretary
Jacob Ruzevick, MD, Historian

WSANS Conference Coordinators:

Linda O'Keefe
Michi Wohns
Janet Clardy
Kelty Pierce



THANK YOU TO THE FOLLOWING COMPANIES FOR THEIR SUPPORT OF THIS ACTIVITY:

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- IRRAS
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- SPECIALTY CARE
- STRYKER
- STRYKER, ENABLING TECHNOLOGIES
- VB SPINE
- ZIMMER BIOMET

WORKSHOP

Medtronic FLOW MATTERS: THE HISTORY & HYDRODYNAMICS OF SHUNTS

This program delves into the fascinating world of shunt technology, providing a comprehensive overview of various commercially available shunt products.

WORKSHOP: FRIDAY 6:00 - 6:30PM, SATURDAY 6:00 -6:30PM



MODERNIZE YOUR PRACTICE WITH AI: ELEVATE EFFICIENCY.

Join the Athelas workshop to see how AI can transform your workflow, cut through administrative bottlenecks, and free you to focus on what matters most—delivering world-class care to your patients.

LUNCH SPEAKER: SATURDAY 12:30 – 1:00PM



PHASOR HEALTH, START-UPS: SUCCEEDING DESPITE 5% ODDS, RAY KING, MD, MBAACCELERATE APPROVALS. MAXIMIZE REIMBURSEMENT.

Dr. Ray King, founding CEO of Phasor Health, is a former neurosurgeon and JP Morgan Private Equity Vice-President who lead innovations in disposable power drills for cranial access, including FDA-cleared products widely used in U.S. hospitals and internationally.

SPEAKER SESSIONS



SARAH HERMANSON
DRP, ANRP

Neurology,
Executive Coach & Coaching,
Chicago, Illinois

[*for more information*](#)



RICHARD ELLENBOGEN
MD

Neurosurgeon,
Chairman of Neurosurgery,
UW Medicine

[*for more information*](#)



MATT RECKER
MD

Pediatric Neurosurgeon,
Seattle Children's

[*for more information*](#)



ALI RAVANPAY
MD

Neurosurgeon,
UW Medicine

[*for more information*](#)



ROBERT BONOW
MD

Neurosurgeon,
UW Medicine

[*for more information*](#)

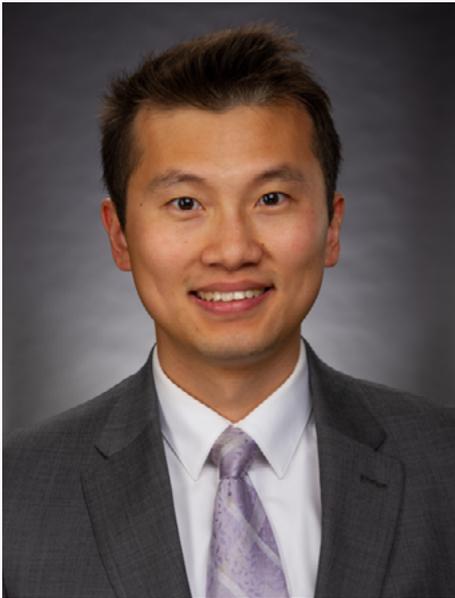


CHRISTOPHER LOISELLE
MD

Radiation Oncologist,
Swedish

[*for more information*](#)

SPEAKER SESSIONS



FANGFANG XING
MD

Pain Medicine,
Swedish

[for more information](#)



FARROKH FARROKHI
MD

Neurosurgeon,
Virginia Mason Franciscan
Health

[for more information](#)



DEAN HAMILTON
DRP, ANRP

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Neuroradiology,
Swedish Cerebrovascular Center

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AKSHAL PATEL
MD

Neuroradiology,
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CLINT BADGER
DO

Neuro Cerebro/Endovascular
Fellow, Swedish

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TYE PATCHANA
DO

Neuro Cerebro/Endovascular
Fellow, Swedish

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SPEAKER SESSIONS



JULIAN CLARKE
MD

Neurosurgery Resident,
UW Medicine

[*for more information*](#)



DOMINIC NISTAL
MD

Neurosurgery Resident,
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[*for more information*](#)



CHRISTOPH HOFSTETTER
MD, PHD

Neuro & Spine Surgery,
UW Medicine

[*for more information*](#)



JENS CHAPMAN
MD

Orthopedic & Spine Surgery,
Swedish

[*for more information*](#)



KATIE KRAUSE
MD, PHD

WSANS Secretary,
Neurosurgeon, Virginia Mason
Franciscan Health

[*for more information*](#)



SAVE THE DATE

2026 WSANS ANNUAL CONFERENCE
SEPTEMBER 11 - 13, 2026, Suncadia Resort

For more information, please contact:

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Linda O'Keefe: 206-650-6018, linda@wsans.org