

Pickup Family Neurosciences Institute Presents

2025 Neuroscience Symposium

Friday, November 7

Excellence in Nursing Symposium

Saturday, November 8

Interdisciplinary Symposium
(Physicians & Nurses)

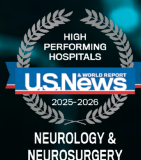
The Waterfront Beach Resort,
A Hilton Hotel
21100 Pacific Coast Highway
Huntington Beach, CA 92648

Register at
hoag.org/NeuroSymp2025



hoag.

Pickup Family
Neurosciences Institute



Supported by philanthropy through the Hoag Hospital Foundation

Symposium *Overview*

The 2025 Pickup Family Neurosciences Institute Neurosciences Symposium is a two-day accredited CME/CE program for physicians, advanced practice providers, nurses, and allied health professionals. Expert-led lectures, interactive panels, and case-based discussions will provide the latest evidence-based updates in neurological care, emphasizing interdisciplinary collaboration and practical application.

This program highlights translational neuroscience and emerging innovations, from mixed reality in neurosurgery to engineered neuroplasticity, tumor-treating fields, cellular immunotherapy, psychedelics, and advanced neuromodulation. Additional sessions will explore AI-driven diagnostics, biomarker-based Alzheimer's detection, and new strategies for stroke, TBI, and concussion. Ethical, clinical, and operational considerations will guide the responsible integration of these advancements into practice.

Conference Venue and Accommodations

The Waterfront Hilton Beach Resort, A Hilton Hotel
Huntington Beach, California

This 2025 Neuroscience Symposium will be held at The Waterfront Hilton Beach Resort located in Huntington Beach.

The Waterfront Hilton Beach Resort is conveniently located one hour from Los Angeles International Airport (LAX) and just minutes away from John Wayne Airport, Orange County (SNA). A room block has been secured for this meeting through October 17, 2025 after which the room block will be released. Room block rates for this event begin at \$349+ resort fees and taxes, per evening. Overnight guest parking is available for \$35 per vehicle and daily parking is \$18 per vehicle.



To make a room reservation, call (714) 845-8000 and ask for the Hoag Neuroscience Symposium room block or book online at hoag.org/neurosymp2025 and click the HOTEL tab. Rooms are based on availability and subject to sell out.

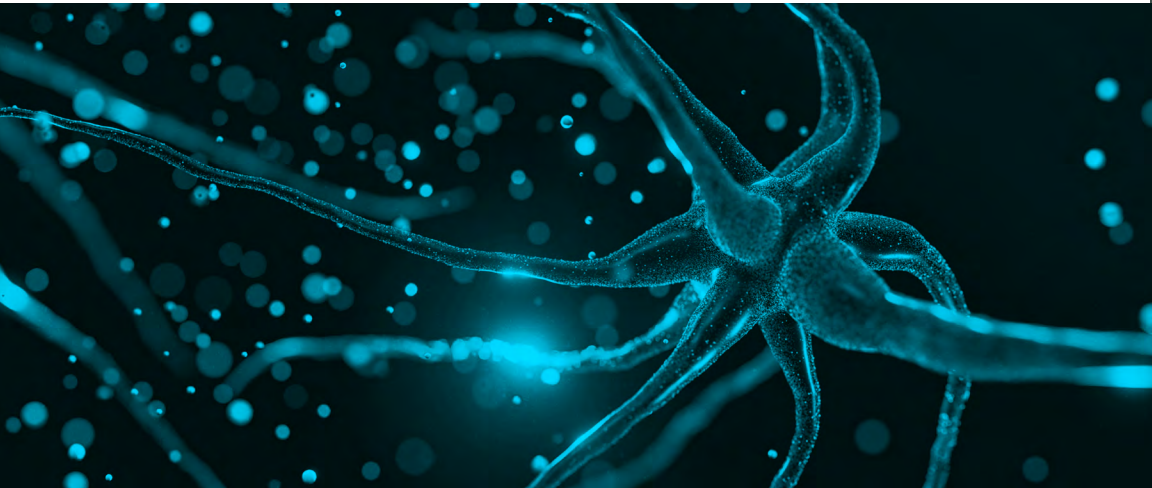


Accreditation
Accreditation Hoag Memorial Hospital Presbyterian is accredited by the California Medical Association (CMA) to provide continuing medical education for physicians.



Credit Designation
Hoag Memorial Hospital Presbyterian designates this educational activity for the maximum of 7.5 *AMA PRA Category 1 Credits*™. Physicians should claim credit commensurate with the extent of their participation in the activity. This credit can apply to the CMA Certification of Continuing Medical Education.

BRN Contact Hours
Hoag Hospital is approved by the California Board of Registered Nurses, provider number 17163, for a total of 6.0 contact hours (7.0 Friday / 6.0 Saturday) of continuing education credit for registered nurses.



Symposium Objectives

Friday, November 7

- Define and differentiate functional seizures from epileptic seizures, including their causes, risk factors, diagnostic process, and distinguishing clinical features.
- Describe interdisciplinary management strategies—covering communication, stigma reduction, treatment options, and nursing interventions—to ensure patient safety, comfort, and adherence to care.
- Differentiate the processes and purposes of Phases 1, 2, and 3 of epilepsy evaluation, highlighting diagnostic methods, seizure localization, and criteria for surgical candidacy.
- Describe surgical intervention planning—linking EEG findings to appropriate procedures—and outline the nurse's role in perioperative care.
- Identify critical neuroimaging findings and understand the decision-making process for urgent radiology calls in relation to acute neurological deterioration.
- Describe the nursing role in applying imaging results to bedside care, including rapid escalation, interdisciplinary collaboration, and informed clinical decision-making.
- Summarize anticoagulation reversal strategies for common agents and apply laboratory testing to guide management in patients with CNS hemorrhage.
- Evaluate transfusion appropriateness and review evidence-based timing for restarting anticoagulation after CNS hemorrhage or neurosurgery.
- Identify and interpret key neurologic exam findings, correlating them with underlying anatomy and potential complications to guide timely escalation of care.
- Enhance nursing proficiency and interdisciplinary communication in recognizing, describing, and responding to subtle neurologic changes.

Saturday, November 8

- Explore how mixed reality and advanced visualization tools are transforming neurosurgical precision.
- Evaluate the potential for engineering neuroplasticity following brain injury using bypass and circuit redirection techniques.
- Assess the future of brain tumor therapy through emerging approaches like tumor-treating fields and cellular immunotherapy.
- Examine the clinical and ethical implications of using psychedelics and neuromodulation to treat mood and addiction disorders.
- Analyze how implants like DBS and focused ultrasound are disrupting traditional psychiatric treatment models.
- Discuss the limitations of conventional mental health care and the integration of biologically driven approaches.
- Identify key leadership principles necessary to guide institutions through healthcare disruption and digital transformation.
- Understand how AI and advanced imaging are reshaping diagnostic workflows in value-based care environments.
- Review the current and emerging pharmacological and neuromodulation strategies for epilepsy treatment.
- Assess the potential of brain-computer interfaces and seizure forecasting tools in predicting and preventing epileptic events.
- Debate the balance between technological surveillance and patient autonomy in epilepsy care.
- Evaluate how personalized tech and wearables are reshaping clinical management in Parkinson's disease.
- Explore the impact of adaptive DBS and neuromodulation on expanding indications and improving outcomes.
- Reconsider Parkinson's as a circuit-based disorder and the role of new drug targets beyond dopamine.
- Analyze the clinical utility and ethical concerns of AI-driven imaging and blood-based biomarkers in Alzheimer's disease.
- Debate the timing and implications of diagnosing cognitive decline before symptoms manifest.
- Consider population-wide screening strategies for dementia and their potential risks and benefits.
- Compare the roles of imaging, AI, and clinical judgment in acute stroke and TBI triage.
- Discuss the next frontier in stroke and trauma care, from recanalization to long-term neuroprotection.
- Critically examine the evolving science of concussion and CTE, and its implications for diagnosis and prevention.

Program Directors



Adam Kanter, MD

FAANS, MBA

Ron & Sandi Simon Executive
Medical Director Endowed Chair,
Pickup Family Neurosciences
Institute

Chief of Neurology,
Hoag Specialty Clinic



Yasir Jassam, MD

FRCP, FAAN

Multiple Sclerosis and
Neuroimmunology Program
Director

Chief of Neurology,
Hoag Specialty Clinic

Inaugural Guest Lectureship

Michael Modic, MD

Senior Vice President Population Health and Professor of Radiology and Radiological Sciences
Vanderbilt University Medical Center

Invited Faculty

Alexander Coon, MD

Director of Cerebrovascular and Endovascular
Neurosurgery
Carondelet Neurological Institute at St. Joseph's
and St. Mary's Hospitals

Daniel DiLorenzo, MD, PhD, MBA

Assistant. Professor of Neurosurgery and Biomedical
Sciences
Loma Linda University

Charlotte Eaton, PhD

Postdoctoral Scholar, The Raleigh Laboratory
University of San Francisco, California

Charles Liu, MD, PhD

Professor of Clinical Neurological Surgery, Surgery,
Psychiatry and the Behavioral Sciences and
Biomedical Engineering
University of Southern California Viterbi School of
Engineering, Biomedical Engineering

Hoag and Pickup Neurosciences Family Institute Faculty

Kim Alles, BSN, RN, CCRN

Surgical Neuroscience ICU Nurse

Christopher B. Baker, MD

Interventional Radiologist

Michael N. Brant-Zawadzki, MD, FACR

Vice President, Clinical Research
Administration, CATALIST and
Addiction Services

Stephanie Chow, MSN, RN, CCRN

Nurse Navigator, Hoag Epilepsy
Program

Christopher M. Duma, MD

Neurosurgeon, Brain Tumor Program
Director

Steven Grossman, MD, PhD

Grace E. Hoag Executive Medical
Director Endowed Chair at the Hoag
Family Cancer Institute

Simon Khagi, MD

Neuro-oncology, Medical Director
Hoag Family Cancer Institute

Gustavo Alva, MD

Psychiatrist

Abhinandan A. Bharne, MD

Intensivist

David M. Brown, MD

Stroke Program Director

Keith Cochran, MD

Movement Disorders Neurologist

Tatyana V. Ellison, MD

Psychiatrist, Addiction Medicine

Neal Hermanowicz, MD, FAAN

Neurologist, Parkinson's Disease
and Movement Disorders Program

Robert Louis, MD

Empower360 Endowed Chair in
Skull Base and Minimally Invasive
Neurosurgery; Skullbase and
Pituitary Tumor, Program Director

Lauren L. Bennett, PhD

Clinical Neuropsychologist

Mindy K. Bixby, DO

Movement Disorders Neurologist

Isis Cauoette, R.EEGT, CNIM, B.S

Manager, Neurodiagnostics

Michael J. Demeure, MD

Program Director, Hoag Precision
Medicine Program
Otis Healy Family Endowed Chair in
Applied Genomics

Ezequiel Goldschmidt, MD

Neurosurgeon

Patty Y. Huang, MD

Hospitalist

Timothy H. Lucas, MD

Functional Neurosurgeon

Andrew Ly, MD Concussion/Mild TBI Program Director; Program Advisor, Neurophysiology Services	Avinash Mesipam, MD Interventional Radiologist	David Millett, MD, PhD Epilepsy Program Director
Ruth Morin, PhD Neuropsychologist	Chelsea Manahan, MSN, RN, FNP-C Surgical Neuroscience ICU Nurse	Joshua Martin, MD Neurologist, Epileptologist
Jen Martinez, MSN, RN, PHN Sub-ICU and Surgical Neuroscience ICU Nurse	Stephanie Martins, MSN, RN, PHN, DCS Program Manager, Memory & Cognitive Disorders	Anna Morenkova, MD, PhD Neurologist, Parkinson's Disease and Movement Disorders Program
Joey Nesler, LCSW Clinical Social Worker	C. Phillip O'Carroll, MD Program Director, Neurobehavioral Medicine Program at Hoag	James Park, DO Neurologist, Epileptologist
Aaron J. Przybysz, MD Chief of Pain Medicine, Hoag Specialty Clinic; Medical Director, Hoag Pain Management	Matthew Reed, MD, MSPH Chief of Inpatient Pain and Outpatient Addiction Services Medical Director, SolMar Residential Program	Danielle Reaves, MSN, RN, PMHNP-BC Surgical Neuroscience ICU Nurse
Aaron R. Ritter, MD Larkin Family Endowed Chair in Integrative Brain Health and Director of the Memory & Cognitive Disorders Program	Sina Safahieh, MD Program Director, ASPIRE and Young Adult Mental Health Program	Kelly A. Scheneman, PSYD Psychologist
William R. Shankle, MD, FACP Judy & Richard Voltmer Endowed Chair in Memory and Cognitive Disorders	Belinda Stewart-Burger MSN, RN, CRRN, CNRN, SCR N Nurse Navigator, Movement Disorders Program	Nina Surber, PT, DPT Concussion Program Nurse Navigator
Justin Vechayiem, BSN, RN, SCR N Nurse Navigator, Stroke Program	Daniel Vitantonio, MD Neurologist	Katie Wilkinson, MD Medical Director, Laboratory Services and Transfusion Medicine
Melissa Yu, MD Neuroimaging Radiologist		

Friday, November 7

7 — 7:50 AM	Registration, Breakfast, and Exhibits
8 — 8:45 AM	From Ideas to Impact: Empowering Nurses to Innovate in Neuroscience Care Ezequiel Goldschmidt, MD
8:45 — 9:30 AM	Breaking the “Sorry to Bother You” Barrier: Building Confidence & Collaboration in Critical Care Moderator: Jen Martinez, RN; Panel Members: Chelsea Manahan, RN, Danielle Reaves RN, Kim Alles RN, Jamie Scinto, RN, Lauren Njam RN
9:30 — 10 AM	The Heart of our Brain Institute: Lessons in Listening, Leading and Letting Go Adam Kanter, MD
10 — 10:15 AM	Morning Break and Exhibits
10:15 — 11 AM	Unraveling Functional Seizures (PNES): A Multidisciplinary Approach to Care & Recovery Moderator: Joey Nesler, LCSW; Panel Members: Joshua Martin MD, Kelly Scheneman PSYD, and Stephanie Chow RN
11 — 11:30 AM	Seizure Evaluation and Surgical Readiness: An In-Depth look at EMU Phases 1-3 James Park, DO, Timothy Lucas, MD
11:45 — 1 PM	Lunch and Exhibits
1 — 1:30 PM	Through the Wire: An ICU Nurse Story from the Frontlines Justin Vechayiem, RN

1:30 — 2:30 PM	Making Sense of Confusion: Best Practices for Recognizing and Escalating Encephalopathy Panel Members: Patty Huang, MD, Abhinandan Bharne, MD, Joshua Martin, MD, and Ezequiel Goldschmidt, MD Moderator: Belinda Stewart-Burger, MSN
2:30 — 2:45 PM	Afternoon Break and Exhibits
2:45 — 3:15 PM	From Scan to Save: How Imaging Guides Life-Saving Decisions Melissa Yu, MD
3:15 — 3:45 PM	Stopping the Bleed: Reversal of Anticoagulation and Hemostatic Management in CNS Hemorrhage Katie Wilkinson, MD
3:45 — 4:30 PM	Brains, Spines, and the Invisible Lines: Neuro Exams that Keep Us Up at Night Mallory Haji, NP, Shamir Haji, MD
4:30 — 5:30 PM	Networking Reception

Saturday, November 8

8 — 8:50 AM	Registration, Breakfast, and Exhibits
8:50 — 9 AM	Welcome and Opening Remarks Adam Kanter MD, Julie Riley, MBA
Session 1 9 — 10 AM	Precision Neuroscience: Immersive Tools, Brain Repair & Cellular Warfare Moderator: Steve Grossman, MD Mixed Reality in the OR: Precision Tools of Our Future! Robert Louis, MD Brain Bypass: Can We Engineer Neuroplasticity After Brain Injury? Ezequiel Goldschmidt, MD Reprogramming War on Cancer: Electrofusion Meets Cellular Assassins Simon Khagi, MD Round Table Panel Q&A Panel Members: Michael Demeure, MD; Charlotte Eaton, PhD; Christopher Duma, MD
Session 2 10 — 11 AM	Psychedelics, Implants & Inflammation: A New Era for Mental Health Moderator: Aaron Przybysz, MD Can We Redefine Recovery Pathways in Addiction and Depression? Matthew Reed, MD Implanted Sanity: Is DBS or fUS Psychiatry's Final Frontier? Tim Lucas, MD Ketamine, Psilocybin, Oh My: Can Molecules Really Mend the Mind? Philip O'Carroll, MD Round Table Panel Q&A Panel Members: Tatyana Ellison, MD, Ruth Morin, PhD, Daniel DiLorenzo, MD, and Sina Safahieh, MD
11 — 11:15 AM	Morning Break and Exhibits

Session 3 11:15 — 12 PM	Special Guest Lectureship Moderator: Adam Kanter, MD From Command to Catalyst: Leading in An Age of Disruption Michael Brant-Zawadzki, MD The Dr. Michael Brant-Zawadzki Endowed Lectureship: The Evolving Role of AI and Imaging in Digital-Driven Healthcare Michael Modic, MD
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12 — 1PM

Lunch and Exhibits

Session 4
1 — 2 PM

Epilepsy, Circuitry and the New Frontier in Neuromodulation

Moderator: James Park, DO

Can Targeted Therapies and Next-Gen Medications Control Epilepsy?

David Millett, MD

Seizure Forecasting, Brain-Computer Interfaces, and the Rise of Intelligent Implants

Charles Liu, MD

The Neurologist's Dilemma: Control vs. Cure in the Era of Technologic Hype

James Park, DO

Round Table Panel Q&A

Panel Members: Tim Lucas, MD, Joshua Martin, MD, Daniel Vitantonio, MD, and Isis Caouette, CNIM

Session 5
2 — 3 PM

Precision Circuits for Motion: Rewriting the Parkinson's Playbook

Moderator: Tim Lucas, MD

Measuring What Matters in Parkinson's, Not Just What's Easy to Track

Neal Hermanowicz, MD

Wearable Tech, Remote Monitoring, & the Evolving Role of the Movement Neurologist in the Era of Personalized Tech

Anna Morenkova, MD

DBS 2.0: From Static Targets to Neuro Engineering Intelligent Circuits

Daniel DiLorenzo, MD, PhD

Round Table Panel Q&A

Panelists: Keith Cochran, MD, Belinda Stewart-Burger, RN, and Mindy Bixby, MD

3 — 3:15 PM

Afternoon Break and Exhibits

Session 6
3:15 — 4:15 PM

Memory, Aging, and Ethics: Predict, Prevent, or Panic?

Moderator: Yasir Jassam, MD

AI and Amyloid PET: Clinical Tool or Ethical Minefield?

Aaron Ritter, MD

Can Blood Tell the Future: Are Biomarkers the True Crystal Ball

Yasir Jassam, MD

Early Detection of Cognitive Decline: Promise or Pandora's Box?

Lauren Bennett, PhD

Round Table Panel Q&A

Panel Members: Gustavo Alva, MD, Rod Shankle, MD, and Stephanie Martins, RN

Session 7
4:15 — 5:15 PM

Blocked Vessels & Blunt Forces: Rethinking Acute Brain Injury and Rescue

Moderator: Christopher Baker, MD

AI Triage: Are We Becoming Too Reliant on Imaging Algorithms?

Melissa Yu, MD

Recanalized—Now What: Why Restoring Flow Isn't Enough, What Are the Next Breakthroughs That Must Happen

Avi Mesipam, MD

Our Future in Flow Diversion, First-in-Human Tech, and a Global OR

Alexander Coon, MD

Are We Missing Most Concussions: The Spectrum of Brain Injury and the Tools That Might Finally Reveal It

Andrew Ly, MD

Round Table Panel Q&A

Panel Members: David Brown, MD, Melissa Yu, MD, Ezequiel Goldschmidt, MD, Robert Louis, MD, and Nina Surber, PT

5:15 — 5:20 PM

Closing Comments

Adam Kanter, MD, Julie Riley, MBA

Registration Information

2025 Hoag Neuroscience Symposium

November 7–8, 2025

The Waterfront Beach Resort,
A Hilton Hotel
Huntington Beach, California



Register online at hoag.org/NeuroSymp2025

Registration Fees

Saturday Registration: \$150
MDs

1-Day Registration: \$75
RNs, APPs, PT/OTs, and Technologists

2-Day Registration: \$125
RNs, APPs, PT/OTs, and Technologists

Staff Registration: Complimentary with refundable \$50 deposit
Hoag nurses, nurse practitioners, physician assistants, physical and occupational therapists

Cancellations

Written cancellations will be accepted until November 1, 2025. No refunds will be given for cancellations after November 1, 2025. No refunds will be given for no-shows. 3% Administration fee will apply to all canceled registrations.

Family/Guest Attendance Policy

All conference activities are exclusively reserved for paid conference attendees. Children and family members are not allowed to attend meal functions or permitted in the general session room.