



The Future is Now: Horizons in Neurosciences

Friday, March 13, 2020
Four Seasons Hotel Las Vegas



This program made possible by
philanthropic support.



Program Description

This educational neuroscience program will provide physicians with up-to-date clinical knowledge on the diagnosis and treatment of neurological diseases including brain tumors and epilepsy. A team of experts will review the latest advances in the areas of Extended Reality, Stereotactic and Robotic Brain Surgery, Endoscopic Skull Base Surgery as well as new developments in the diagnosis and management of epilepsy. This program is designed for neurologists, oncologists, endocrinologists, and primary care physicians.

Program Objectives

- Understand recent development in neurosurgery leading to safer, minimally invasive approaches
- Evaluate the role of Extended Reality Technologies in all aspects of patient care from surgery to rehabilitation and pain management
- Describe the evolution of Endoscopic Skull Base Surgery
- Give an example of a transnasal endoscopic approach to the Anterior Skull Base, highlighting the critical anatomy and instrumentation.
- Provide the most up to date knowledge on stereotactic and robotic surgical treatments
- Optimize the use of traditional diagnostic techniques of EEG, MRI and FDG-PET for accurate diagnosis and surgical evaluation.
- Describe recent developments in epilepsy surgery, including minimally invasive surgery and neurostimulation devices.
- Describe the full spectrum of surgical treatment options for medically refractory epilepsy including invasive EEG, focal resection

Continuing Medical Education



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 live educational activity for the maximum of 3.75 *AMA PRA Category 1 Credit™*. 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

Program Presenters

Christopher Duma, MD, FACS

Medical Director, Hoag Brain Tumor Program
Pickup Family Neurosciences Institute

Timothy F. Kelley, MD

Otolaryngologist
Program Director, Head and Neck
Cancer Surgery
Hoag Family Cancer Center

Robert Louis, MD, FAANS

Empower360 Endowed Chair in Skull Base
and Minimally Invasive Neurosurgery
Director, Skull Base and Pituitary Tumor Program
Pickup Family Neurosciences Institute

Vik A. Mehta MD

Complex and Minimally Invasive Brain
and Spine Surgeon
Adjunct Assistant Professor of Neurosurgery
University of Southern California
Pickup Family Neurosciences Institute

David Millett, MD, PhD

Medical Director Epilepsy Program
and Chief of Neurological Services
Pickup Family Neurosciences Institute

Program Agenda

7:15 a.m. Registration, Breakfast Buffet and Exhibits

8 a.m. Welcome

Michael Brant-Zawadzki, MD, FACR
Ron and Sandi Simon Executive Medical Director Endowed Chair
Pickup Family Neurosciences Institute

**8:15 a.m. From Fighter Jets to Brain Surgery:
XR Technologies Throughout the Patient Care Continuum**

Robert Louis, MD, FAANS

9 a.m. Endoscopic Skull Base Surgery

Timothy F. Kelley, MD

**9:45 a.m. Stereotactic and Robotic Brain Surgery:
Tumors, DBS, Gamma Knife and Shunts**

Christopher Duma, MD, FACS

10:30 a.m. Morning Break and Exhibits

11 a.m. Advances in the Diagnosis and Management of Epilepsy

David Millett, MD, PhD

**11:45 a.m. Advances in Surgical Management of Medically
Refractory Epilepsy**

Vik A. Mehta, MD

12:30 p.m. Adjourn

Registration available at hoag.org/events.

Program fee of \$30 includes breakfast and CME credit.

Hoag Events

510 Superior Avenue, Suite 290
Newport Beach, CA 92663

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