



Congress of
Neurological
Surgeons

Minimally Invasive Cranial Course

February 15-16, 2019 • San Diego, California

Course Directors

Garni Barkhoudarian and Alexander A. Khalessi

Faculty

Sharona Ben-Haim, Sunit Das, Rohan Ramakrishna, Ganesh Rao, Marc S. Schwartz

Course Description

This course is designed for the general practicing neurosurgeon who wish to introduce or expand the use of minimally invasive technologies and approaches to their cranial practice. The 2-day intensive course will include a combination of lectures, case-based discussions, and cadaver dissections. Topics covered will include: endoscopic evacuation of ICH, stereotactic navigation and exoscopic techniques for subcortical surgery, and laser interstitial thermal therapy for epilepsy and oncology indications.

Learning Objectives

Upon completion of the course, attendees will be able to:

- Evaluate spontaneous intracranial hemorrhage patients in terms of selection criteria for potential surgical management and apply case planning principles
- Develop hands-on cadaver training experience for endoscopic evacuation of intracerebral hemorrhage
- Gain familiarity with modern stereotactic navigation principles, relevant fascicular anatomy, and exoscopic technology platforms to facilitate sub-cortical surgery for varying pathologies and approaches
- Identify indications for LITT management for epilepsy and oncology patients and review illustrative case examples

Accreditation

The Congress of Neurological Surgeons is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation Statement

The CNS designates this live activity for a maximum of **12.75 AMA PRA Category 1 Credits**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Agenda

Friday, February 15

8:00-9:00 am

Welcome and Breakfast

9:00 – 9:30 am

Imaging Tractography and Sub-Cortical Surgical Planning

Rohan Ramakrishna

9:30 – 10:00 am

Principles of Exoscope Surgery

Sunit Das, Marc S. Schwartz

10:00 – 10:30 am

Principles of Endoscopic Surgery and Clinical Data for the Surgical Management of Intracerebral Hemorrhage

Alexander A. Khalessi

10:30-11:00 am

Clinical Data and Patient Selection for LITT in Epilepsy and Neuro-Oncology –

Sharona Ben-Haim, Ganesh Rao

11:00 am – 12:00 pm

Lunch

12:00 – 2:40pm

Lab (Rotation 1)

- Group A: Endoscopic Evacuation of ICH
- Group B: Neuro-Navigation and Registration
- Group C: LITT

2:40 – 3:00pm -- Vendor Break

3:00 – 5:40 pm

Lab (Rotation 2)

- Group A: LITT
- Group B: Endoscopic Evacuation of ICH
- Group C: Neuro-Navigation and Registration

6:30 pm

Course Dinner

Saturday, February 16

7:00 – 7:30am

Breakfast

7:30 – 10:15 am

Lab (Rotation 3)

- Group A: Neuro-Navigation and Registration
- Group B: LITT
- Group C: Endoscopic Evacuation of ICH

10:15 – 10:30 am – Vendor Break

10:30 am – 12:00 pm

Expert Interactive Case Based Panel Review with Participant Case Submissions