COURSE TOPICS

- Keyhole approaches for brain, pituitary and skull base tumors including the endonasal endoscopic, supraorbital, minipterional, retromastoid and infratentorial supracerebellar routes.
- Decision making in keyhole approach selection for skull base meningiomas, craniopharyngiomas, chordomas, pituitary adenomas, sinonasal carcinomas and intraaxial brain tumors.
- Complication avoidance and CSF leak repair techniques in keyhole surgery.
- 3-D sinonasal, skull base and intracranial anatomy.

TARGET AUDIENCE: Neurosurgeons and Otolaryngologists

FACULTY

- Daniel F. Kelly, MD
  Director, Brain Tumor Center
  Saint John’s Health Center
  John Wayne Cancer Institute
  Santa Monica, California

- Charlie Teo, MBBS, FRACS
  Director, Centre for Minimally Invasive Neurosurgery
  Sydney, Australia

- Howard R. Krauss, MD
  Clinical Professor of Ophthalmology and Neurosurgery
  David Geffen School of Medicine at UCLA
  Los Angeles, California

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COURSE DESCRIPTION

This 3-day CME course will consist of didactic sessions and hands-on dissection of fresh-frozen cadavers focusing on minimally invasive keyhole surgical approaches including the endonasal endoscopic, supraorbital, minipterional, retromastoid and infratentorial supracerebellar routes. Indications, technical nuances, anatomical principles and methods of complication avoidance will be discussed. Additional topics will include instrumentation advances and CSF leak repair techniques.

COURSE OBJECTIVES

At the conclusion of this activity, participants will be able to:
1. Understand the indications, technical nuances and limits of keyhole approaches including the endonasal endoscopic, supraorbital, minipterional, retromastoid and infratentorial supracerebellar approaches.
2. Understand sinonasal and skull base surgical anatomy.
3. Describe indications for and technical nuances of the endonasal endoscopic approach to the skull base and brain (sella, suprasellar, planum, cavernous sinus, clivus, paramedian sinuses).
4. Describe methods of CSF leak repair and complication avoidance in endonasal endoscopic surgery and in keyhole craniotomies.

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TARGET AUDIENCE:
Neurosurgeons and Otolaryngologists

7th Keyhole & Endonasal Surgery Course
FOR BRAIN, PITUITARY & SKULL BASE TUMORS
WITH HANDS-ON DISSECTION
January 31-February 2, 2013
at
Montage
Beverly Hills, California

FACULTY

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Saint John’s Health Center
John Wayne Cancer Institute
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Peter Nolak, MD
Professor of Neurosurgery
Cathcart University School of Medicine
Director, Division of Minimally Invasive Neurosurgery
Banner Neurological Institute
Phoenix, Arizona

Daniel M. Prevedello, MD
Assistant Professor
Department of Neurological Surgery
OSUCCC - James
Columbus, Ohio

FACULTY

Glenn D. Barkovich, MD
Brain Tumor Center and Pituitary Disorders Program
Saint John’s Health Center
John Wayne Cancer Institute
Santa Monica, California

Chester F. Griffiths, MD, FACS
Assistant Clinical Professor, Dept. of Surgery, Division of Head and Neck Surgery & Dept. of Family Practice
David Geffen School of Medicine at UCLA
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3. Describe indications for oral technical nuances of the endonasal endoscopic approach to the skull base and brain (sella, suprasellar, cavernous sinus, clival, parasellar sinuses).

4. Describe methods of CSF leak repair and complication avoidance in endonasal endoscopic surgery and in keyhole craniotomies.

TARGET AUDIENCE: Neurosurgeons and Otolaryngologists
THURSDAY, JANUARY 31, 2013
7:30 a.m. Introduction & Keyhole Concept Overview – Daniel Kelly, Charlie Teo
8:30 Nasoseptal & Minipterional Approaches – Charlie Teo
9:00 Retrosellar & Inferonasal Supraorbital Approach – Peter Nakay
9:30 Keyhole Approaches for Infratentorial Brain Tumors – Daniel Kelly
12:30 Lunch
1:00 Anatomy & Endoscopic Approach to Medial’s Cava Lesions
1:30 Lab #2: Endonasal Approach to Sella, Planum, Clivus & Medial’s Cave
2:00 Nasoseptal Flap
2:30 End of Day 2
3:30 Course Dinner

FRIDAY, FEBRUARY 1, 2013, continued
12:30 Lunch
1:00 Anatomy & Endoscopic Approach to Medial’s Cava Lesions
1:30 Lab #2: Endonasal Approach to Sella, Planum, Clivus & Medial’s Cave
1:45 Nasoseptal Flap
2:30 End of Day 1
3:00 Welcome Reception

SATURDAY, FEBRUARY 2, 2013
9:00 Live Surgery – All Faculty
10:00 Endoscopic Era & Why – Ricardo Carrau
10:30 Skull Base 3-D Anatomy – Daniel Prevedello
11:00 Conventional Over Keyhole: When & Why – Peter Nakay
11:30 Nasoseptal & Endonasal Approach: Point/Counter-Point – Howard Krauss
12:00 Noon 
12:30 p.m. Short Break
1:00 Anatomy & Endoscopic Approach to Meckel’s Cave Lesions
1:30 Lab #2: Supraorbital vs Endonasal Approach: Point/Counter-Point
2:00 Conventional Over Keyhole: When & Why – Peter Nakay
2:30 Skull Base 3-D Anatomy – Daniel Prevedello
3:00 Long Beach Airport (LGB)
3:30 Welcome Reception
4:00 Live Surgery – All Faculty
4:30 Sinonasal & Parasellar Endoscopic 3-D Anatomy – Daniel Prevedello
5:30 Lab #2: Supraorbital vs Endonasal Approach: Point/Counter-Point
6:00 Adjourn

www.endokeyhole.org • www.brain-tumor.org
THURSDAY, JANUARY 31, 2013
7:30 a.m. Keyhole Cranioanatomy Approaches For Brain & Skull Base Tumors
THURSDAY, JANUARY 31, 2013
12:00 p.m. Rescue Flaps, Sinonasal Preserving Approaches & Post-Operative Care
11:30 Nasoseptal and Other Alternative Flaps For Skull Base Reconstruction
11:00 Endonasal CSF Leak Repair Strategies – Charlie Teo
10:30 Extended Approach for Infrasellar, Clival and Petroclival Tumors
10:00 9:00 Functional Pituitary Adenomas – Is Remission More Likely In the
8:30 Endoscopic Removal of Pituitary Adenomas & RCC: Maximizing
8:00 Endonasal Endoscopic Surgery Essentials – Daniel Kelly, Charlie Teo
8:00 7:30 a.m.
7:30 a.m.
Registration and Continental Breakfast
FRIDAY, FEBRUARY 1, 2013, continued
12:30 Lunch
1:00 Anatomy & Endoscopic Approach to Medial’s Cane Lesions
1:30 Lab #2: Endoscopic Approach to Sella, Planum, Cliva & Medial’s Cane, Nasoseptal Flap
5:30 End of Day 2
7:00 Course Dinner
SUNDAY, FEBRUARY 3, 2013
12:30 p.m. Case Selection, Complication Avoidance & Live Surgery
11:30 Lab #1: Supraorbital vs Endonasal Approach: Point/Counter-Point
11:00 Conventional Over Keyhole: When & Why – Peter Nakaji
10:30 Skull Base 3D Anatomy – Daniel Prevedello
10:00 10:00
9:00 Supraorbital & Minipterional Approaches – Charlie Teo
8:30 Supraorbital, Minipterional, Retrosellar, Infratentorial
8:00 Introduction & Keyhole Concept Overview – Daniel Kelly, Charlie Teo
7:30 a.m.
7:30 a.m.
Continental Breakfast
AIRPORT TRANSFER TIME
Los Angeles International Airport (LAX): 14 miles/30 minutes
Bob Hope Airport (BUR): 13 miles/35 minutes
Long Beach Airport (LGB): 22 miles/45 minutes
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