

# SIXTH ANNUAL COURSE FOR MICROSCOPIC AND ENDOSCOPIC APPROACHES TO THE SKULL BASE

University of Colorado School of Medicine  
Center for Surgical Innovations (C.S.I.) & Halcyon Cherry Creek  
March 18-21, 2020

## Wednesday: 3/18/2020

8:00 AM Shuttle departs for optional ski day at Loveland Ski Area  
\*\*\* must let Jenny know if you are attending prior to arriving in Denver!

### Registration & Opening Reception Halcyon Hotel Cherry Creek

6:30 PM Registration & Welcome Reception & Cocktails – Rooftop Halcyon Hotel

7:00 PM Dinner - Arbor Room Halcyon Hotel

## Thursday: 3/19/2020

### Anterior & Lateral Skull Base

7:00 AM Shuttle from Halcyon to C.S.I.

7:30-8:00 AM Breakfast - CSI

8:00-10:15 AM Didactic Session - Anterior Skull Base - CSI Conference Room

8:00-8:15 AM Welcome and opening remarks - *Kevin Lillehei MD and Samy Youssef MD, PhD*

8:15-8:30 AM 3-D Anterior fossa/cavernous sinus anatomy - *Jeffery Sorenson MD*

8:30-9:00 AM Variations of Orbitozygomatic Approach – *Takanori Fukushima MD*

9:00-9:15 AM Surgical exposure of the cavernous sinus - *Samy Youssef MD, PhD*

9:15-9:30 AM Eyebrow incision and keyhole craniotomy - *Kevin Lillehei MD*

9:30-9:45 AM Avoiding venous complications – *Tiit Mathiesen MD*

9:45-10:00 AM Break in Exhibit Area

10:00-1:00 PM Hands on Cadaveric Dissection - Orbitozygomatic Approach/Keyhole/Cavernous Sinus  
*Takanori Fukushima*

1:00-2:00 PM Lunch & Operative Video Session - CSI Conference Room  
*Takanori Fukushima, Mustafa Baskaya MD, Torstein Meling MD, James Evans MD*

2:00-3:15 PM Didactic Session - Lateral Skull Base - CSI Conference Room

2:00-2:15 PM 3D temporal bone anatomy - *Jeffrey Sorenson MD*

2:15-2:30 PM Middle Fossa Approach - *Samuel Gubbels MD*

2:30-2:45 PM Retrosigmoid Approach – *Torstein Meling MD*

2:45-3:00 PM Far Lateral Approach – *James Liu MD*

3:00-3:15 PM Petroclival meningiomas: *Tiit Mathiesen MD*

- 3:15-6:45 PM** Hands-on Cadaveric Dissection
- Middle Fossa Approach  
*Samuel Gubbels MD, Yoichi Nonaka MD, Mustafa Baskaya MD, Samy Youssef MD, PhD*
- Retrosigmoid Approach and Far Lateral Approach  
*Tiit Mathiesen MD, Torstein Meling MD, James Evans MD, James Liu MD*
- 6:45 PM** Cocktails and Hors d'oeuvre Exhibit Area
- 7:00 PM** Reception at the CSI
- 9:00 PM** Shuttle back to Halcyon Hotel

**Friday: 3/20/2020**

**Endoscopic Central & Lateral Skull Base**

- 7:00 AM** Shuttle from Halcyon to CSI
- 7:30-8:00 AM** Breakfast – FRA Boardroom
- 8:00-9:45 AM** Didactic Session – Central Skull Base
- 8:00- 8:15 AM** 3-D Endoscopic anatomy of the central skull base – *Jeffrey Sorenson MD*
- 8:15-8:30 AM** Pituitary adenomas – *Daniel Kelly MD*
- 8:30-8:45 AM** Craniopharyngiomas – *James Evans MD*
- 8:45-9:00 AM** Midline anterior skull base meningiomas - *Samy Youssef MD, PhD*
- 9:00-9:15 AM** Chordomas – *Sebastien Froelich MD*
- 9:15-9:30 AM** Sinonasal Cancer – *Vijay Ramakrishnan MD*
- 9:30-9:45 AM** Skull base reconstruction after endoscopic procedures – *Daniel Kelly MD*
- 9:45-10:00 AM** Group Photo
- 10:00-1:00 PM** Hands on Cadaveric Dissection  
Endonasal approaches to central skull base  
*Daniel Kelly MD, James Liu MD, Gabriel Zada MD, Anne Getz MD, Vijay Ramakrishnan MD*
- 1:00-2:00 PM** Lunch and Complications Discussions  
*Daniel Kelly MD, Tiit Mathiesen MD, Torstein Meling MD, Mustafa Baskaya MD,*
- 2:00-3:30 PM** Didactic Session – Lateral Skull Base
- 2:00-2:15 PM** 3-D Endoscopic anatomy of the lateral skull base - *Jeffrey Sorenson MD*
- 2:15-2:45 PM** Endoscopic approaches to the lateral skull base and infratemporal fossa – *Sebastien Froelich MD*
- 2:45-3:00 PM** Endoscopic approaches to the cavernous sinus – *Daniel Kelly MD*
- 3:00-3:15 PM** Safe Exposure of the petrous/paraclival ICA – *Gabriel Zada MD*

- 3:15-3:30 PM Postoperative care after endonasal surgery - *Anne Getz*
- 3:30-6:00 PM Hands on Cadaveric Dissection  
Endonasal approaches to lateral skull base and infratemporal fossa  
*Sebastien Froelich MD, Daniel Kelly MD, James Evans MD, Vijay Ramakrishnan MD, Samy Youssef MD, PhD*  
**Practice on Carotid Artery Perfusion Model**  
*Gabriel Zada MD*
- 6:00 PM Shuttle back to Halcyon
- 7:30 PM Shuttle to Bittersweet Restaurant
- 7:45-10:15 PM Dinner at Bittersweet Restaurant
- 10:30 PM Shuttle back to Halcyon

Saturday: 3/21/2020

## Lateral Skull Base & Jugular Foramen

- 7:00 AM Shuttle from Halcyon to C.S.I
- 7:30-8:00 AM Breakfast – CSI
- 8:00-10:00 AM Didactic Session - CSI Conference Room
- 8:00-8:15 AM 3-D Anatomy of the jugular foramen/upper neck - *Jeffrey Sorenson MD*
- 8:15-8:45 AM Global exposure of the lateral skull base and the jugular foramen region with fasciogaleal flap reconstruction - *Yoichi Nonaka MD, PhD*
- 8:45-9:15 AM Posterior transpetrosal and translabyrinthine approaches - *Stephen Cass MD*
- 9:15-9:45 AM Surgical exposure of the jugular foramen and upper neck dissection - *John Song MD*
- 9:45-10:00 AM Combined Endoscopic/Open approaches to the lateral Skull Base-Samy Youssef MD
- 10:00-10:15 AM Break in Exhibit Area
- 10:15-1:00 PM Hands-on Cadaveric Dissection  
Posterior petrosal approaches, jugular foramen, and upper neck dissection  
*Yoichi Nonaka MD, PhD, Stephen Cass MD, John Song MD, Julie Goddard MD*
- 1:00-2:00 PM Lunch & 3-D Operative Video Session- CSI Conference Room  
*Sebastien Froelich MD, Mustafa Baskaya MD, Gabriel Zada MD, James Liu MD,*
- 2:00-4:00 PM Hands-on Cadaveric Dissection  
Jugular foramen and upper neck dissection
- 4:00 PM Closing Remarks and Adjourn
- 4:15PM Shuttle to DIA