Neurosurgery Update
IN WINE COUNTRY

Thursday - Saturday

July 29-31, 2021
Silverado Resort • Napa, California

Please review COVID requirements on the course webpage
https://neurosurgeryupdate.ucsf.edu/

DEPARTMENT CHAIR
Edward F. Chang, MD
Chair
Department of Neurological Surgery
UCSF

COURSE CHAIRS
Mitchel S. Berger, MD
Professor and Director, Brain Tumor Center
Department of Neurological Surgery
Course Director, UCSF

Dean Chou, MD
Professor
Department of Neurological Surgery
Course Director, UCSF

neurosurgeryupdate.ucsf.edu
The Department of Neurosurgery at the University of California San Francisco invites you to attend its annual Neurosurgery Update course. The course will be held July 29-31, 2021 at the Silverado Resort in Napa, California. The program endeavors to provide the latest updates and recent advances in the field of neurosurgery. Neurosurgeons, neurosurgery residents, nurse practitioners, physician assistants, and advanced health practitioners can benefit from this program in the treatment of neurosurgical problems. Now in its fourteenth year, it will cover the entire spectrum of neurosurgical topics.

OBJECTIVES
An attendee completing this course will be able to:

• Incorporate into practice the latest surgical techniques in the management of minimally-invasive spinal disorders;
• Improve the management of brain tumors using the most up-to-date data and studies;
• Recognize and understand the nuances of pain management in spinal disorders and treat accordingly;
• Improve patient outcomes through medical and surgical management of pituitary disorders;
• Provide modern management of cerebrovascular disorders based on the most current data;
• Use modern management techniques in the treatment of neurotrauma;
• Use evidence-based data in performing pediatric neurosurgery.

ACREDITATION
The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. UCSF designates this live activity for a maximum of 15.50 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity. This CME activity meets the requirements under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

Pain Management and Care for the Terminally Ill
The approved credits shown above include 4.00 AMA PRA Category 1 Credits™ towards meeting the requirement under California Assembly Bill 487, Pain Management and Care for the Terminally Ill.

Nurses
For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credit™ issued by organizations accredited by the ACCME.

Physician Assistants
AAPA accepts AMA PRA Category 1 Credit™ from AOACCME, Prescribed credit from AAFP, and AMA Category 1 Credit for the PRA for organizations accredited by the ACCME.
THURSDAY, JULY 29, 2021

11:30 am – 12:30 pm

TUMOR, PITUITARY, VASCULAR, SKULL BASE, PAIN

12:30
Department Chair’s Welcome
Edward Chang, MD

12:35
Overview / Pre-Test
Mitch Berger, MD

12:45
Detection of Glioma Infiltration at the Tumor Margin Using Quantitative Stimulated Raman Scattering Microscopy
Shawn Hervey-Jumper, MD

12:55
Extent of Resection in Low Grade Glioma Surgery: Update in the Molecular Era
Asgeir Jakola, MD, PhD

1:15
Triple Motor Mapping to Reduce Motor Deficits During Glioma Surgery
Mitch Berger, MD

1:35
Current Management and Novel Treatments for Glioma
Susan M. Chang, MD

1:55
Difficult Pituitary Tumors
William T. Couldwell, MD, PhD

2:15
Goals and Complications of Pituitary Surgery: Ensuring the Best Outcomes for Patients
Sandeept Kunwar, MD

2:35
Coffee Break

3:05
Giant Pituitary Adenomas: Biology and Management Strategies for Glioma
Manish Aghi, MD

3:25
Acoustic Neuroma Management in NF2
Frederick G. Barker, MD

3:45
Management of Cavernous Sinus Meningioma
William T. Couldwell, MD, PhD

4:05
Tuberculoma Sellae Meningiomas: Endoscopic vs. Transcranial
Philip V. Theodosopoulos, MD

4:25
Neural Engineering Next Generation Electrochemical Closed-loop Neuromodulation Devices
Kendall H. Lee, MD, PhD

4:45
A Novel Approach to the Brainstem: the Trans-Quadrangular Lobule Approach to the Upper Pons
Adib A. Abla, MD

5:05
Far Lateral Lumbar Disc Herniation: The Ganglionic Syndrome
Phillip Kissel, MD

5:25
Discussion with Questions and Answers
Mitch Berger, MD

6:00
Adjourn
Dean Chou, MD

6:00 – 7:30 pm
Wine Tasting Reception in Exhibit Area

FRIDAY, JULY 30, 2021

7:00 am
Continental Breakfast

7:30
Introduction / Course Remarks
Mitch Berger, MD

7:35
Treating Tremors with Deep Brain Stimulation: New Approaches to an Old Problem
Dean Chou, MD

7:55
New Directions in DBS Technology
Paul S. Larson, MD

8:15
Developing Stereotactic Image Guidance System Using 7 Tesla MRI
Kendall H. Lee, MD, PhD

8:45
Kurtis Auguste, MD
Director, Center for Minimally-Invasive Skull Base Surgery

Christopher P. Ames, MD
Professor of Clinical Neurological Surgery and Orthopaedic Surgery
Director of Spine Tumor & Spinal Deformity Surgery; Co-director, Spinal Surgery and UCSF Spine Center
Director, California Deformity Institute
Director, Spinal Biomechanics Laboratory

Edward F. Chang, MD
Professor and Chair
Department of Neurological Surgery

Susan M. Chang, MD
Professor and Vice Chair of Neurological Surgery; Lai Wan Kan Endowed Chair; Director, Division of Neuro-Oncology; Program Member, UCSF Comprehensive Cancer Center
FRIYDAY, JULY 30, 2021 (CONT’D)
     Philip A. Starr, MD, PhD
8:55  Updates on the Treatment of Cerebral Aneurysms
     R. Webster Crowley, MD
9:15  Coffee break
9:45  P  Transposition for Micro Vascular Decompression Surgery
     Edward F. Chang, MD, MD
10:05  P  Endovascular Management of Pseudotumor Cerebri
     R. Webster Crowley, MD
10:25  P  Managing Incidental Brain Tumors
     Frederick G. Barker, MD
10:45  P  Updates on Minimally-invasive Pediatric Epilepsy
     Monitoring And Treatment
     Kurtis Auguste, MD
11:05  Management of Intracranial Arachnoid Cysts
     Nalin Gupta, MD, PhD
11:25  Treatment of Childhood Hydrocephalus: Update
     Peter P. Sun, MD
11:45  Cases / Discussion / Questions and Answers
     Mitch Berger, MD
     Dean Chou, MD
1:00 pm  Adjourn
6:30 pm  Winery Dinner (optional event at additional fee) – bus will pick-up at 6:15 pm

SATURDAY, JULY 31, 2021
7:00 am  Continental Breakfast
7:25  Introduction / Course Remarks
     Mitch Berger, MD
     Dean Chou, MD

SPINE, PERIPHERAL NERVE, TRAUMA, ANATOMY
7:30  P  An Updated Review of Risk Factors, Prevention Strategies and Management of C5 Palsy
     Lee Tan, MD
7:50  P  Awake Spinal Surgery – Innovating with LEAN Strategy
     Praveen V. Mummaneni, MD
8:10  P  Elderly Spine Trauma
     Sanjay Dhall, MD
8:30  P  Spinal Deformity Management: Numbers Aren’t Everything
     Paul Park, MD
8:50  P  Advanced ALIF – Complication Avoidance and Newer Less Invasive Approaches
     Aaron Clark, MD, PhD
9:10  P  The Learning Curve in 409 Lumbar Pedicle Subtraction Osteotomies
     Christopher P. Ames, MD
9:30  Coffee Break
10:00  P  Spinal Navigation and Robotic Technology:
     Hype and Adoption
     Paul Park, MD
10:20  P  Lateral Surgery and Scoliosis: Realities and Limitations
     Dean Chou, MD
10:40  P  Update on Peripheral Nerve Transfers as Reconstructive Procedures
     Line Jacques, MD
11:20  P  Traumatic Brain Injury: a Field in Rapid Evolution
     Geoffrey Manley, MD, PhD
11:40  Subaxial Cervical Spine Anatomy
     Roberto R. Rubio, MD
12:00  Questions and Answers
     Mitch Berger, MD
     Dean Chou, MD
12:15  Post Course Test and Cases for Review
1:30 pm  Adjourn
     P – Pain Credit

COURSE FACULTY (CONT’D)
Aaron Clark, MD, PhD  Assistant Professor of Neurological Surgery
Sanjay Dhall, MD  Associate Professor of Neurological Surgery; Director of Spine Trauma Zuckerberg San Francisco General Hospital; Co-Principal Investigator, TRACK-SCI
Nalin Gupta, MD, PhD  Professor, Departments of Neurosurgery and Pediatrics
Chief, Division of Pediatric Neurosurgery UCSF Benioff Children's Hospital
Shawn Hervey-Jumper, MD  Associate Professor, UCSF Neurosurgery and Brain Tumor Center
Line Jacques, MD  Professor of Neurological Surgery
Director of Peripheral Nerve and Pain Surgery; Associate Program Director
Philip Kessel, MD, FACS  Clinical Professor Department of Neurological Surgery, UCSF
Director of Neurological Surgery
Sierra Vista Regional Medical Center
San Luis Obispo, CA
Sandep Kunwar, MD  Associate Professor of Neurological Surgery
Surgical Director, California Center for Pituitary Disorders at UCSF
Paul S. Larson, MD  Professor and Vice Chair of Neurological Surgery
Chief of Neurosurgery Service
San Francisco VA Medical Center
Principal Investigator, Movement Disorders Research
Geoffrey Manley, MD, PhD  Professor and Vice Chair of Neurological Surgery
Co-Director and Principal Investigator, Brain and Spinal Injury Center (BASIC)
Chief of Neurosurgery, Zuckerberg San Francisco General Hospital
Praveen V. Mummaneni, MD  Joan O'Reilly Endowed Professor
Vice Chair of Neurosurgery
Co-director, UCSF Spine Center
Roberto R. Rubio, MD  Assistant Professor, Departments of Neurosurgery and Otolaryngology – Head and Neck Surgery
Director, Skull Base & Cerebrovascular Laboratory
Philip A. Starr, MD, PhD  Professor and Vice Chair of Neurological Surgery; UCSF Graduate Program in Neuroscience
Dolores Cakebread Endowed Chair in Neurological Surgery
Peter P. Sun, MD  Director, Pediatric Neurosurgery
UCSF Benioff Children’s Hospital
Oakland
Lee Tan, MD  Assistant Professor of Neurosurgical Surgery
Praveen V. Theodosiopoulos, MD  Professor and Vice-Chair; Chief and Director, Skull Base Tumor Program
Director, Cranial Clinical Programs
Department of Neurological Surgery
Doris Wang, MD, PhD  Assistant Professor of Neurological Surgery
GENERAL INFORMATION
Pre-registration is preferred to ensure that registrants receive a syllabus at the course. Please plan accordingly. COVID guidelines may prevent on-site registration at the course. Pre-registration closes on Tuesday, July 27 at 11:00 am PST.

HOW TO ENROLL
Tuition*: By 1/1/21 After 1/1/21
Practicing Physicians $400 $500
Nurses/Pharmacists/PA’s $300 $400
Advanced Health Practitioners $200 $300
Residents/Fellows $200 $300
* On-site registration will be $75 additional.
Payment may be made by Visa, MasterCard, AmEx or check.

REGISTER VIA:
Online: neurosurgeryupdate.ucsf.edu
Mail: Complete course registration form and send with payment to: UCSF Office of CME, Box 0742 490 Illinois Street, Floor 8 San Francisco, CA 94143
Phone: To register by phone or to inquire about registration status, please call the UCSF CME Registration Office at (415) 476-5808. Please check our website for up-to-date information on the course: neurosurgeryupdate.ucsf.edu

REFUND POLICY Cancellations received in writing before by July 27, 2021 will be refunded, less a $100 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION
The Silverado Resort and Spa is your gateway to the enchanting allures of Napa Valley. Tucked into the rolling hills of California’s world-famous Wine Country, the resort combines state-of-the-art business facilities with endless recreational possibilities. A block of guestrooms has been reserved at the special UCSF conference rate of $299/night plus a $25 per night resort fee and applicable occupancy tax for a one-bedroom suite.
You are urged to make your reservations early. The special rate is available through June 29, 2021, or until the group room block is filled. After this date, rooms will be provided on a space-available basis only. You may make hotel reservations on-line by visiting the course webpage on our website at neurosurgeryupdate.ucsf.edu. Please click on the reservations link in the Travel/Location section. If you prefer, you can phone the Silverado at 800-532-0500 and identify yourself as a member of this UCSF conference to receive the special rate.
By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable. Please take this into consideration when making your accommodation decisions.

Please refer to the course webpage https://neurosurgeryupdate.ucsf.edu/ for detailed information on hotel COVID safety protocols and requirements.
Dr. Ms. Mr. Mrs. Mx.

LAST NAME   FIRST   M.I.

DEGREE   SPECIALTY

ADDRESS

CITY   STATE   ZIP

DAYTIME PHONE   FAX

EMAIL

Address Label Code Letter (see address label: example, A, B, C, D, etc.)

Would you like to be on our priority email list?  □ Yes  □ No

Please indicate if you have any special needs:

Registration Fees (receipt/Confirmation will be mailed within two to four weeks):

Tuition*:  □ By 1/1/21  □ After 1/1/21

Physicians  □ $400  □ $500
Nurses/Pharmacists/Allied Health Professionals  □ $300  □ $400
Residents/Fellows  □ $200  □ $300

*On-site registration will be $75 additional.

Wine Tasting Reception – Thursday 7/29/21

Please confirm below so we may plan for the appropriate number of people

☑ I will attend the Thursday Reception (included in tuition)
☑ I will bring a guest @ $50 each (limited to one adult guest/no one under 21 permitted)

Winery Dinner – Friday 7/30/21 (No refunds or cancellations)

Please confirm below so we may plan for the appropriate number of people

☑ I will attend the Friday Winery Dinner @ $150.00  ☐ I will not attend

Meal Choice:
☐ Beef
☐ Fish
☐ Vegetarian

☑ I will bring a guest @ $150 each (limited to one adult guest/no one under 21 permitted)

Meal Choice:
☐ Beef
☐ Fish
☐ Vegetarian

Make checks payable to UC Regents

Please charge my credit card:  □ Visa  □ MasterCard  □ AmEx for $________

_______________________________________________________|________/_______
CARD #                                                                                                                                  EXPIRATION DATE  _______________________________________|________________________________
NAME ON CARD (PLEASE PRINT)                                               AUTHORIZED SIGNATURE

Cancellations received in writing by July 27, 2021 will be refunded, less a $100 administrative fee. No refunds will be made on cancellations received after that date.

Silverado Resort
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