Neurosurgery Update IN WINE COUNTRY 2022

Thursday - Saturday
August 4-6, 2022
Silverado Resort • Napa, California

Optional Workshop: UCSF Brain Tumor Treatment Update Workshop • August 5-6, 2022
Visit: neurosurgeryupdate.ucsf.edu for more information

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

Lee A. Tan, MD
Assistant 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 August 4-6, 2022 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 fifteenth 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 approaches to skull base tumors;
• 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 options to manage chronic subdural hematomas;
• Use modern management techniques in the treatment of neurotrauma.

ACCREDITATION
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, AUGUST 4, 2022
12:00 pm – Registration
12:30 pm
TUMOR, NEURO-ONCOLOGY, TRAUMA, PEDIATRICS, CEREBROVASCULAR
12:30
Welcome – Course Overview
Edward F. Chang, MD
12:35
Pre-Test
Mitchel S. Berger, MD
12:45
Functional Mapping for Intrinsic Brain Tumors
Shawn Hervey-Jumper, MD
1:05
Anatomy and Surgical Approach to the Insula—Combined Special Talk
Mitchel S. Berger, MD / Roberto R. Rubio, MD
1:35
Personalized Motor Mapping to Enhance Glioma Resection
Lorenzo Bello, MD
1:55
Adult Glioma Update and Clinical Trials
Susan M. Chang, MD
2:15
Multidisciplinary Management of CNS Metastasis
John de Groot, MD
2:35
Blood-based Biomarkers for Diagnosis of Traumatic Brain Injury
Geoffrey Manley, MD, PhD
2:55
Coffee Break
3:15
Multi-modality Treatment of AVMs in Children
Nalin Gupta, MD, PhD
3:35
MCA Aneurysm Clipping in the Endovascular Era
Louis J. Kim, MD
3:55
The Lateral Supraorbital Cranietomy as a First Line Approach for Anterior Circulation Aneurysms
Adib A. Abla, MD
4:15
The Outer Limits of Endovascular OR Suite
Daniel Raper, MD
4:35
The Value Proposition of the Hybrid Endovascular Embolization of the Middle Meningeal Artery for Treatment of Chronic Subdural Hematoma
Luis Savastano, MD, PhD
5:15
Discussion with Questions and Answers
Mitchel S. Berger, MD
5:45
Case Discussion
6:00
Adjourn
6:00 – 7:30 pm
Wine Tasting Reception in Exhibit Area
FRIDAY, AUGUST 5, 2022
7:00 am
Continental Breakfast
FUNCTIONAL, PAIN, PERIPHERAL NERVE, SKULL BASE
7:25
Introduction / Course Remarks
Edward F. Chang, MD
7:30
Using Sound Waves to Treat Tremors
Doris Wang, MD
7:50
Networks in Epilepsy Surgery: the Role of the Thalamus in Diagnosis and Therapy
Sameer A. Sheth, MD, PhD
8:10
Microvascular Transposition for Trigeminal Neuralgia
Edward F. Chang, MD
8:30
Cerebellar Neuromodulation
Philip A. Starr, MD, PhD
8:50
Deep Brain Stimulation for Obsessive Compulsive Disorder: Towards Closed Loop Approaches
Sameer A. Sheth, MD, PhD
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University of California, San Francisco
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Professor and Director
Brain Tumor Center
University of California, San Francisco
Lee A. Tan, MD
Assistant Professor of Neurological Surgery
University of California, San Francisco
SPECIAL GUEST FACULTY
Lorenzo Bello, MD
Professor of Neurosurgery, Oncology and Hematology-Oncology
Università degli Studi di Milano Milan, Italy
Paul A. Gardner, MD
Peter J. Jannetta Endowed Chair of Neurosurgery; Director, Center for Skull Base Surgery
University of Pittsburgh School of Medicine, Pittsburgh, PA
Adam S. Kanter, MD
Professor of Neurological Surgery; Director, Minimally-invasive Spine Program
University of Pittsburgh School of Medicine, Pittsburgh, PA
Louis J. Kim, MD, MBA
Vice Chair and Professor of Neurological Surgery; Chief, Neurological Surgery Service at Harborview Medical Center; Wallace T. Staatz Endowed Professor
University of Washington, Seattle, WA
David Limbrick, MD, PhD
Executive Vice-Chair, Department of Neurosurgery; Chief, Division of Pediatric Neurosurgery; T.S. Park, MD Chair of Pediatric Neurosurgery; Professor of Neurological Surgery and Pediatrics; Washington University School of Medicine, St. Louis, MO
Sameer A. Sheth, MD, PhD
Associate Professor, Cullen Foundation Endowed Chair, McNair Scholar, Vice Chair of Research; Baylor College of Medicine, Houston, TX
COURSE FACULTY
(University of California, San Francisco unless indicated)
Adib A. Abla, MD
Associate Professor of Neurological Surgery; Chief of Vascular Neurosurgery; Director, Cerebrovascular Surgical Disorders Program; Tong-Po Kan Chair in Neurological Surgery; Director, Vascular Neurosurgery Fellowship Program
Manish K. Aghi, MD, PhD
Professor and Vice Chair, Neurological Surgery
Director, Center for Minimally-Invasive Skull Base Surgery
Christopher F. Ames, MD
Professor of Clinical Neurological Surgery and Orthopedic Surgery; Director, Spine Tumor and Spinal Deformity Surgery; Co-director, Spinal Surgery and UCSF Spine Center; Director, California Deformity Institute Director, Spinal Biomechanics Laboratory
FRIDAY, AUGUST 5, 2022 (CONT’D)

9:10 P Peripheral Nerve Regeneration and Reconstructive Strategies
Line Jacques, MD

9:30 Coffee Break

10:00 The Management of Chordomas and Chondrosarcomas
Paul A. Gardner, MD

10:20 Endoscopic Endonasal Surgery for Suprasellar Meningiomas
Manish K. Aghi, MD, PhD

10:40 Minimally-invasive Approaches for Skull Base Tumors
Ezequiel Goldschmidt, MD, PhD

11:00 Non-vestibular Schwannomas: Management Update
Philip V. Theodosopoulos, MD

11:20 Advances and Limitations of Endoscopic Endonasal Skull Base Surgery
Paul A. Gardner, MD

11:40 Evaluating Pituitary Imaging: Avoiding the Unexpected
Sandeep Kunwar, MD

12:00 Cases/ Discussion / Questions and Answers
Edward F. Chang, MD

1:00 pm Adjourn

6:30 pm Winery Dinner (optional event at additional fee) – bus will pick-up at 6:15 pm

SATURDAY, AUGUST 6, 2022

7:00 am Continental Breakfast

SPINE, TRAUMA, PEDIATRICS

7:25 Introduction / Course Remarks
Lee A. Tan, MD

7:30 P Choice of LIV and When to Cross CT Junction in Posterior Cervical Fusion
Lee A. Tan, MD

7:50 P MIS in Deformity Surgery: the Decade in Evolution
Adam S. Kanter, MD

8:10 P Complication Avoidance with Robotic Spine Surgery
Praveen V. Mummaneni, MD

8:30 P Surgical Genomics of Aging: the Future of Risk Assessment
Christopher P. Ames, MD

8:50 P Minimally-invasive TLIF
Aaron Clark, MD, PhD

9:10 P Updates on Management of Spinal Cord Injury
Rajiv Saigal, MD, PhD

9:30 Coffee Break

10:00 P Surgical Optimization: Limiting Rehab with Prehab
David Limbrick, MD, PhD

10:20 P Posterior Fossa Decompression with or without Duraplasty for Chiari Type I Malformation with Syringomyelia
Lee A. Tan, MD

10:40 Pediatric Epilepsy Surgery Advances
Kurtis I. Auguste, MD

11:00 Craniosynostosis – Treatment Updates
Peter P. Sun, MD

11:20 Endoscopic Management of Pediatric Hydrocephalus
David Limbrick, MD, PhD

11:40 Question and Answer
Edward F. Chang MD

1:00 pm Adjourn

P – Pain Credit

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COURSE FACULTY (CONT’D)

Kurtis I. Auguste, MD
Professor of Neurological Surgery; Director, UCSF Pediatric Epilepsy Surgery Program; Chief of Surgery, UCSF Benioff Children’s Hospital Oakland

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

Aaron Clark, MD, PhD
Assistant Professor of Neurological Surgery

John de Groot, MD
Professor of Neurological Surgery; Chief, Division of Neuro-Oncology

Ezequiel Goldschmidt, MD, PhD
Assistant Professor of Neurological Surgery

Nalin Gupta, MD, PhD
Professor of Neurological Surgery; Chief, Division of Pediatric Neurosurgery

Shawn Hervey-Jumper, MD
Associate Professor, UCSF Neurosurgery and Brain Tumor Center; Director, Glial Tumor Neuroplasticity Research Laboratory; Co-Director, Sheri Sobrato Brisson Brain Cancer Survivorship Program

Line Jacques, MD
Professor of Neurosurgery; John Adams Endowed Professorship; Director of Peripheral Nerve and Pain Surgery

Sandeep Kunwar, MD
Professor of Neurological Surgery; Surgical Director, California Center for Pituitary Surgery

Geoffrey Manley, MD, PhD
Professor of Neurosurgery

Praveen V. Mummaneni, MD, MBA
Professor and Vice Chair of Neurosurgery; Co-director, UCSF Spine Center

Daniel Raper, MD
Assistant Professor of Neurological Surgery

Roberto R. Rubio, MD
Assistant Professor, Departments of Neurosurgery and Otolaryngology – Head and Neck Surgery

Dolores Cakebread Professor of Neurosurgery

Peter P. Sun, MD
Director, Pediatric Neurosurgery, UCSF Benioff Children’s Hospital Oakland

Philip V. Theodosopoulos, 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
For more information or to register online visit our website at neurosurgeryupdate.ucsf.edu. You may also reach us by calling the Office of CME at (415) 476-4251 or emailing info@ocme.ucsf.edu.

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Upcoming CME Courses

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Dates</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Pediatric and Adult Spinal Deformity</td>
<td>July 13-16, 2022</td>
<td>Royal Hawaiian – Honolulu, HI</td>
</tr>
<tr>
<td>Surgery Bioskills Lab: Techniques</td>
<td>November 4-5, 2022</td>
<td>VDara Hotel – Las Vegas, NV</td>
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<td>and Advances</td>
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**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, 8/2/22 at 11:00 am PST. On-site registration rates apply after this time.

**HOW TO ENROLL**

<table>
<thead>
<tr>
<th>Tuition*</th>
<th>By 6/2/22</th>
<th>After 6/2/22</th>
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</thead>
<tbody>
<tr>
<td>Practicing Physicians</td>
<td>$425</td>
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</tr>
<tr>
<td>Nurses/Pharmacists/PA's</td>
<td>$325</td>
<td>$400</td>
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<tr>
<td>Advanced Health Practitioners</td>
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</tr>
<tr>
<td>Residents/Fellows</td>
<td>$225</td>
<td>$300</td>
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* On-site registration will be $75 additional.

Tuition may be paid 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

**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 July 4, 2022, 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.

**REFUND POLICY**

Cancellations received in writing before by August 2, 2022 will be refunded, less a $100 administrative fee. No refunds will be made on cancellations received after that date.
### Registration Details

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

<table>
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<th>Category</th>
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<td>Allied Health Professionals</td>
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<td>$300</td>
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</tbody>
</table>

*On-site registration will be $75 additional.

**Wine Tasting Reception – Thursday 8/4/22**

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 8/5/22 (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
- [x] 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 $________

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**Cancellations**

Cancellations received in writing by August 2, 2022 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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