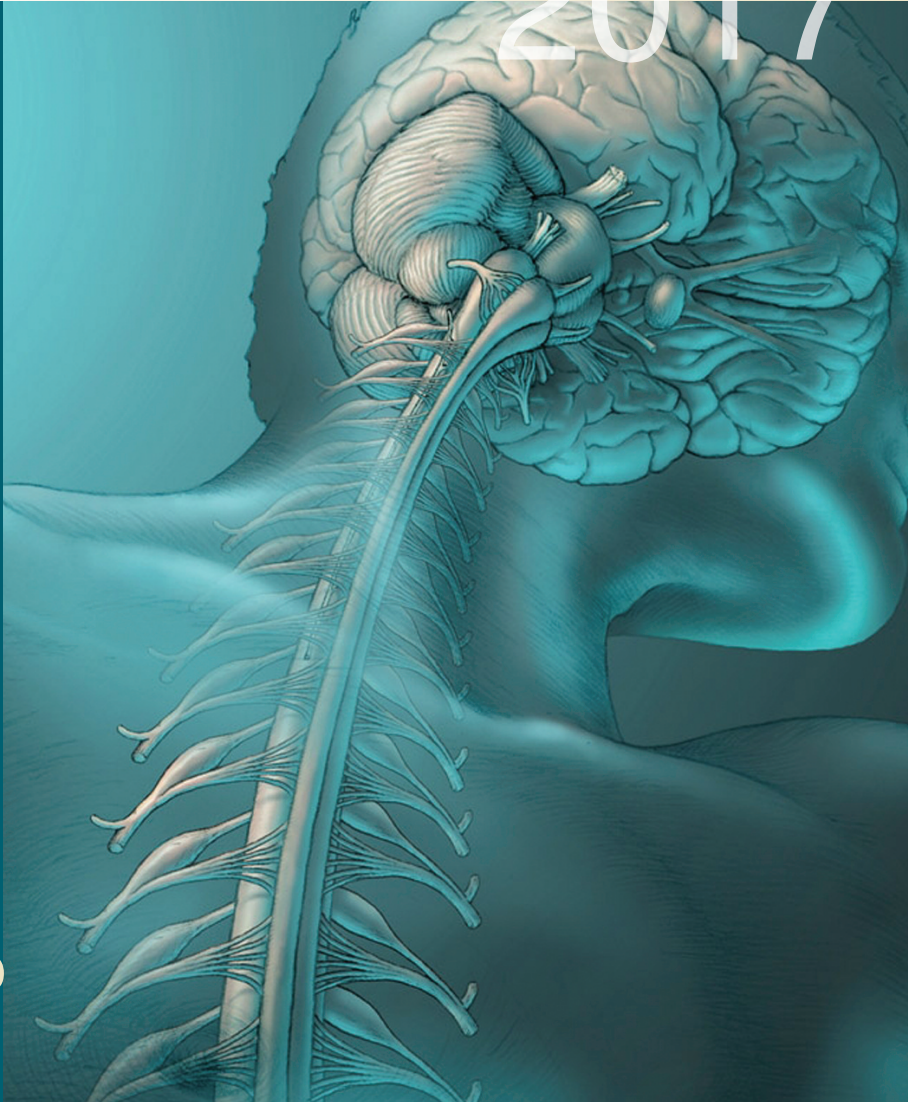


Department of Neurosurgery
University of California, San Francisco
School of Medicine



NEUROSURGERY UPDATE 2017

THURSDAY - SATURDAY
August 3-5, 2017



Silverado Resort
Napa, CA

COURSE CHAIRS

Mitchel S. Berger, MD
Professor and Chairman
Department of Neurological Surgery
Course Director
UCSF

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

NEUROSURGERY UPDATE 2017

Silverado Resort
Napa, CA

August 3-5, 2017

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 at the Silverado Resort in Napa, California August 3 - 5, 2017. The program endeavors to provide the latest updates and recent advances in the field of neurosurgery. Neurosurgeons, neurosurgery residents, nurse practitioners, physician assistants, and other allied health professionals can benefit from this program in the treatment of neurosurgical problems. Now in its tenth 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 minimally-invasive surgical techniques in the management of spinal disorders;
- Improve the management of brain tumors using the most up-to-date data and studies;
- Recognize and incorporate pain management strategies in the treatment of spinal disorders;
- Improve the medical and surgical management of pituitary disorders using the latest data;
- 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.

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 **15.00 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 **3.00 AMA PRA Category 1 Credits™** towards meeting the requirement under California Assembly Bill 487, Pain Management and Care for the Terminally Ill.

Trauma

The approved credits shown above include **0.75** credits toward satisfying the American College of Surgeons Committee on Trauma requirement for trauma-related continuing medical education.

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 3, 2017

12:00-12:30 pm	<i>Registration</i>	
	SPINE, PAIN, PEDIATRIC NEUROSURGERY, TRAUMA	
12:30-12:45 pm	Welcome / Overview / Pre-Test	Mitchel S. Berger, MD / Dean Chou, MD
12:45-1:05 pm	P A New Updated Algorithm for MIS Deformity Surgery	Praveen V. Mummaneni, MD
1:05-1:25 pm	P Minimally-invasive Lateral Lumbar Interbody Surgery: Decreasing Morbidity and Complications	Dean Chou, MD
1:25-1:45 pm	P Minimally-invasive TLIF: Tricks, Tips, Nuances, and Pearls	Aaron Clark, MD
1:45-2:15 pm	P En Bloc Resection for Primary Tumors of the Mobile Spine	Laurence D. Rhines, MD
2:15-2:35 pm	P Risk Stratification and Predictive Analytics in Adult Deformity Surgery	Christopher P. Ames, MD
2:35-3:05 pm	Os Odontoideum: Understanding Pathogenesis and Management in Light of Recent Findings	Arnold H. Menezes, MD
3:05-3:30 pm	<i>Coffee Break</i>	
3:30-3:50 pm	T Controversies in Spine Trauma and Spinal Cord Injury	Sanjay Dhall, MD
3:50-4:20 pm	The Role of Spinal Stereotactic Radiosurgery in the Management of Spinal Metastases	Laurence D. Rhines, MD
4:20-4:50 pm	P The Opioid Epidemic and Back Pain	Melanie Henry, MD
4:50-5:20 pm	Syringobulbia and the Chiari I Abnormality	Arnold H. Menezes, MD
5:20-5:40 pm	Cerebrovascular Disease in Children	Nalin Gupta, MD
5:40-6:00 pm	Current Trends in the Surgical Management of Craniosynostosis	Kurtis Auguste, MD
6:00-7:30 pm	<i>Wine Tasting Reception in Exhibit Area</i>	

FRIDAY, AUGUST 4, 2017

7:00-7:30 am	<i>Continental Breakfast</i>	
	FUNCTIONAL, PERIPHERAL NERVE, EPILEPSY, PITUITARY	
7:30-7:40 am	Course Discussion	Mitchel S. Berger, MD / Dean Chou, MD Geoffrey Manley, MD
7:30-8:00 am	T Update on the Management of Mild Traumatic Brain Injury and Sports Concussion	
8:00-8:20 am	Surgical Treatment of Dystonia in Adults	Philip A. Starr, MD
8:20-8:40 am	Deep Brain Stimulation for Tinnitus	Paul S. Larson, MD
8:40-9:10 am	Deep Brain Stimulation for Depression is Down, But is it Out?	Robert E. Gross, MD
9:10-9:30 am	P Persistent C5 Palsy Post Spinal Surgery: Are Nerve Transfers a Viable Option?	Line Jacques, MD
9:30-10:00 am	P Peripheral Nerve Surgery: a Lost Art?	E.A. Chiocca, MD, PhD
10:00-10:30 am	<i>Coffee Break</i>	
10:30-10:50 am	Gamma Knife versus Temporal Lobectomy for Epilepsy	Edward F. Chang, MD
10:50-11:20 am	“Begin With the End in Mind”: Minimally-invasive Approaches to Epilepsy Surgery	Robert E. Gross, MD
11:20-11:40 am	From Rathke’s Cleft Cysts to Craniopharyngiomas: Pathologic Spectrum and Management Strategies	Manish K. Aghi, MD
11:40-12:10 pm	The Science of Practice: a New Algorithm for Clinical Research	Robert E. Harbaugh, MD
12:10-1:00 pm	Questions and Answers	Mitchel S. Berger, MD / Dean Chou, MD
6:15 pm	<i>Winery Dinner (optional event with additional fee) (bus will pick-up at approximately 6:15 pm)</i>	

SATURDAY, AUGUST 5, 2017

7:30-8:00 am	<i>Continental Breakfast</i>	
	TUMOR, VASCULAR, SKULL BASE, SOCIOECONOMIC	
8:00-8:20 am	Surgical and Endovascular Approaches to Basilar Artery Aneurysms	Adib A. Abula, MD
8:20-8:50 am	Strategic Planning for Healthcare Reform	Robert E. Harbaugh, MD
8:50-9:10 am	Review of Surgical Neurovascular Cases Not Amenable to Endovascular Therapy	Adib A. Abula, MD
9:10-9:30 am	Contemporary Skull Base Approaches: Minimally-invasive, Function Preservation Focused	Philip Theodosopoulos, MD
9:30-9:50 am	Update on Clinical Trials for Glioma	Susan M. Chang, MD
9:50-10:20 am	<i>Coffee Break</i>	
10:20-10:50 am	Recurrent Glioblastoma Multiforme: What Do We Do Now?	E. A. Chiocca, MD
10:50-11:10 am	Management of Intracranial Metastatic Tumors	Michael W. McDermott, MD
11:10-11:40 am	Mapping Paradigms and Surgical Techniques in Low Grade Glioma Surgery	George Samandouras, MD
11:40- 12:00 pm	MRI-guided Convection-enhanced Delivery of Therapeutics to Glioblastoma	
12:00-1:30 pm	Cases / Questions and Answers / Post-Test / Closing Remarks	Manish K. Aghi, MD Mitchel S. Berger, MD / Dean Chou, MD
1:30 pm	<i>Adjourn</i>	

P – Pain Credit **T** – Pain Credit

NEUROSURGERY UPDATE 2017

August 3-5, 2017

Silverado Resort
Napa, California



COURSE CO-CHAIRS

Mitchel S. Berger, MD
Professor and Chairman,
Department of Neurological Surgery;
Kathleen M. Plant
Distinguished Professor,
University of California, San Francisco

Dean Chou, MD
Professor of Neurological Surgery;
Associate Director, UCSF Spine
Center, University of California,
San Francisco

SPECIAL GUEST FACULTY

Adib A. Abila, MD
Assistant Professor, Department of
Neurosurgery; Director, Neurovascular
Research; Director of Cerebrovascular
Surgery, University of Arkansas for
Medical Sciences, Little Rock, AR

E. Antonio Chiocca, MD, PhD
Chair, Department of Neurosurgery,
Co-Director, Institute for the
Neurosciences, Brigham and
Women's Hospital; Harvey W.
Cushing Professor of Neurosurgery,
Harvard Medical School, Boston, MA

Robert E. Gross, MD, PhD
MBNA Bowman Chair and Professor,
Emory University Department
of Neurosurgery; Director and
Co-Founder, Emory Neuromodulation
and Technology Innovation Center
(ENTICE); Director, Translational
Neuro-Engineering Laboratory;
Director, Stereotactic, Functional
Neurosurgery and Epilepsy Surgery,
Emory University School of Medicine,
Atlanta, GA

**Robert E. Harbaugh, MD, FACS,
FAHA**
Director, Penn State Institute of
the Neurosciences University
Distinguished Professor and Chair,
Department of Neurosurgery
Professor, Engineering Science
and Mechanics, Penn State Health,
Milton S. Hershey Medical Center,
Hershey, PA

Arnold H. Menezes, MD
Vice Chairman and Professor of
Neurosurgery, University of Iowa
Health Care, Carver College of
Medicine, Iowa City, IA

Laurence D. Rhines, MD
Professor, Department of
Neurosurgery, Division of Surgery,
The University of Texas MD Anderson
Cancer Center; Adjunct Professor,
Department of Neurosurgery, Baylor
College of Medicine, Houston, TX

SPECIAL GUEST FACULTY (CONT'D)

George Samandouras, MD, FRCS
Consultant Neurosurgeon, Victor
Horsley Department of Neurosurgery,
The National Hospital for Neurology
and Neurosurgery, University College
London Hospitals NHS Trust;
Reta Lila Weston Research
Laboratories, Department of Molecular
Neuroscience,
UCL Institute of Neurology,
Queen Square, London, UK

COURSE FACULTY

(University of California,
San Francisco unless indicated)

Manish K. Aghi, MD, PhD
Professor of Neurological Surgery;
Maydan Family Endowed Faculty;
Attending Neurosurgeon, California
Center for Pituitary Disorders;
Co-Director, Center for Minimally
Invasive Skull Base Surgery

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

Kurtis Auguste, MD
Associate Professor of Neurological
Surgery; Director, Pediatric Epilepsy
Surgery Program at UCSF and
Children's Hospital Oakland, Chief of
Surgery, UCSF Benioff Children's
Hospital Oakland

Edward F. Chang, MD
Professor of Neurological Surgery and
Physiology; Co-Director, Center for
Neural Engineering at UC Berkeley
and UCSF

Susan M. Chang, MD
Professor and Vice Chair of
Neurological Surgery;
Lai Wan Kan Endowed Chair;
Director, Division of Neuro-Oncology

Aaron Clark, MD, PhD
Assistant Professor of Neurological
Surgery

Sanjay Dhall, MD
Associate Professor of
Neurological Surgery; Director,
Spinal Neurotrauma Program,
Zuckerberg San Francisco General

Nalin Gupta, MD, PhD
Professor of Neurological Surgery
and Pediatrics; Dennis Bruce Dettmer
Endowed Chair in Pediatric
Neurosurgery; Director, Pediatric
Neurological Surgery Program

COURSE FACULTY (CONTD)

Melanie Henry, MD
Associate Professor of Anesthesia
and Perioperative Care

Line Jacques, MD
Professor of Neurological Surgery;
Chief of Peripheral Nerve and
Pain Surgery

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

Michael W. McDermott, MD
Professor and Vice Chair of
Neurological Surgery; Halperin
Endowed Chair; Neurosurgical
Director, UCSF Gamma Knife®
Radiosurgery Program

Praveen V. Mummaneni, MD
Joan O'Reilly Professor in
Spinal Surgery and Vice Chair
of Neurological Surgery;
Director, Minimally Invasive and
Cervical Spine Surgery; Surgery;
Director, Minimally Invasive and
Complex Spine Fellowship Program;
Co-Director, Spinal Surgery and
UCSF Spine Center

Philip A. Starr, MD, PhD
Professor of Neurological Surgery;
Dolores Cakebread Endowed Chair;
Co-Director, Functional Neurosurgery
Program; Surgical Director,
Parkinson's Disease Research,
Education and Care Center
(PADRECC) at San Francisco
Veteran's Affairs Medical Center

Philip Theodosopoulos, MD
Professor and Vice Chair of
Neurological Surgery;
Reza and Georgianna Khatib
Endowed Chair in Skull Base Surgery;
Director, Skull Base Tumor Program;
Co-Director, Skull Base and
Cerebrovascular Laboratory

faculty

NEUROSURGERY UPDATE 2016

MNS18001

August 3-5, 2017

Silverado Resort • Napa, California

Mail to : UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368
Fax: (415) 502-1795

Online registration: **cme.ucsf.edu**
Registration Information: (415) 476-5808
Course Information: (415) 476-4251

☐ Dr. ☐ Ms. ☐ Mr. ☐ Mrs.

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

Date of birth to be used as OCME registrant number: ____ / ____ / **XX**
Month Day

Please indicate if you have any special needs: _____

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

Tuition*:	By 6/3/17	After 6/3/17
Physicians	☐ \$400	☐ \$450
Nurses/Pharmacists/PA's	☐ \$300	☐ \$350
Allied Health Professionals		
Residents/Fellows	☐ \$200	☐ \$250

* On-site registration will be \$50 additional.

Wine Tasting Reception – Thursday 8/3/17

Please confirm below so we may plan for the appropriate number of people
☐ I will attend the Thursday Reception (included in tuition) ☐ I will not attend
☐ I will bring a guest @ \$50 each (limited to one adult guest/ no one under 21 permitted)

Winery Dinner – Friday 8/4/17

Please confirm below so we may plan for the appropriate number of people
☐ I will attend the Friday Winery Dinner @ \$125.00 ☐ I will not attend
Meal Choice: ☐ Beef ☐ Fish ☐ Vegetarian
☐ I will bring a guest @ \$125 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 August 1, 2017 will be refunded, less a \$100 administrative fee. No refunds will be made on cancellations received after that date.

Silverado Resort
1600 Atlas Peak Road
Napa, CA 94558
(707) 257-0200
(707) 257-2867 fax
www.silveradoresort.com





0569
University of California,
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Office of Continuing
Medical Education
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Suite 450
San Francisco, CA
94143-0742

12th Annual Spine Symposium

June 2-3, 2017
Hilton Financial District
San Francisco, CA

Spinal Surgery Bioskills Lab: Techniques and Advances

November 3-4, 2017
MERIN – Henderson, NV
vDara Hotel – Las Vegas, NV

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

GENERAL INFORMATION

Pre-registration is preferred to ensure that registrants receive a syllabus at the course. Generally we are able to accommodate on-site registration at the course. Pre-registration closes on Tuesday, August 1st at 3:00 pm PST.

HOW TO ENROLL

Tuition*:	By 6/3/17	After 6/3/17
Practicing Physicians	\$400	\$450
Nurses/Pharmacists/PA's	\$300	\$350
Allied Health Professionals		
Residents/Fellows	\$200	\$250

* On-site registration will be \$50 additional.

Payment may be made by Visa, MasterCard, AmEx or check.

REGISTER VIA:

Online: cme.ucsf.edu

Mail: Complete course registration form and send with payment to:
UCSF Office of CME
P.O. Box 45368
San Francisco, CA 94145-0368

Fax: Fax completed registration form to:
(415) 502-1795 (be sure to include your credit card number)

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: cme.ucsf.edu

REFUND POLICY Cancellations received in writing before by August 1, 2017 will be refunded, less a \$100 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION

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 **\$275/night** plus a **\$25/night** resort fee and applicable occupancy tax.

You are urged to make your reservations early. The cut off date is **June 30, 2017**, 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 cme.ucsf.edu Please click on the More Info tab next to the course listing in the CME Calendar and you'll find the reservations link in the Travel & Lodging 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.

RENTAL CAR

Hertz is offering special rates for participants of this conference; simply call 800-654-2240 and refer to identification number # 03BW0136, or call your travel agent. You may also make reservations at www.Hertz.com. Advance reservations are recommended.

AIR TRANSPORTATION

UCSF has negotiated special fares with United Airlines for our course attendees. You may use the following tour codes to book on your own:

United www.united.com Offer Code: ZY6G767022

general info