

Presented by the
Department of Orthopaedic Surgery
University of California, San Francisco

UCSF

UCSF Pediatric and Adult Spine Course

ROYAL HAWAIIAN HOTEL · HONOLULU, HAWAII

WEDNESDAY – FRIDAY

February 27 - March 1, 2019

HONORED SPEAKERS

Behrooz Akbarnia, MD
Sigurd H. Berven, MD
Yong Qiu, MD

COURSE DIRECTORS

Lionel N. Metz, MD
Assistant Professor of Orthopaedic Surgery
University of California, San Francisco

Kyle A. Mitsunaga, MD
Assistant Professor of Orthopaedic Surgery
University of Hawaii; Medical Director,
Spine Surgery, Queens Medical Center
Honolulu, HI



UCSF Pediatric and Adult Spine Course

The UCSF Pediatric and Adult Spine Course is a two and a half day event emphasizing pioneering trends in pediatric and adult spinal surgery. This course is designed to be interactive with didactic lectures given by leaders in the spine community as well as a hands-on bioskills lab. Participants will review and practice surgical principles and techniques in the treatment of complex spinal disorders. Expert lecturers will describe the recent advances in treatment for a variety of disorders. Interactive case presentations will allow learners to apply knowledge to improve decision making for complex spine pathology.

Residents, fellows, and surgeons wanting to broaden their hands-on experience will have the opportunity to improve skills in evaluating, case planning, and performing techniques to address various pediatric and adult spine pathologies.

An attendee completing this course should improve skills and strategies to:

- OBJECTIVES**
- Employ surgical techniques for posterior column osteotomies, interbody fusion techniques, and transpedicular osteotomy and corpectomy techniques for spinal reconstruction;
 - Interpret and apply current, best available evidence to assess sagittal alignment in the adult and pediatric deformity patient;
 - Describe of the appropriate application of “minimally invasive” surgical techniques;
 - Evaluate and treat pain related to spinal disorders in a cost-effective and reliable manner based on recently published guidelines;
 - Deploy suitable surgical approaches to achieve goals of care for various spinal pathology including degenerative disorders, spinal deformities, and tumors;
 - Diagnose spinal instability related to spinal tumors and formulate surgical treatment plans to address neurological deficits, pain, and instability in spine oncology patients based on published guidelines;
 - Correlate radiographic findings to surgical anatomy as they pertain to the approach and techniques for minimizing complications;
 - Refine and optimize treatment planning for adult and pediatric patients.

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.

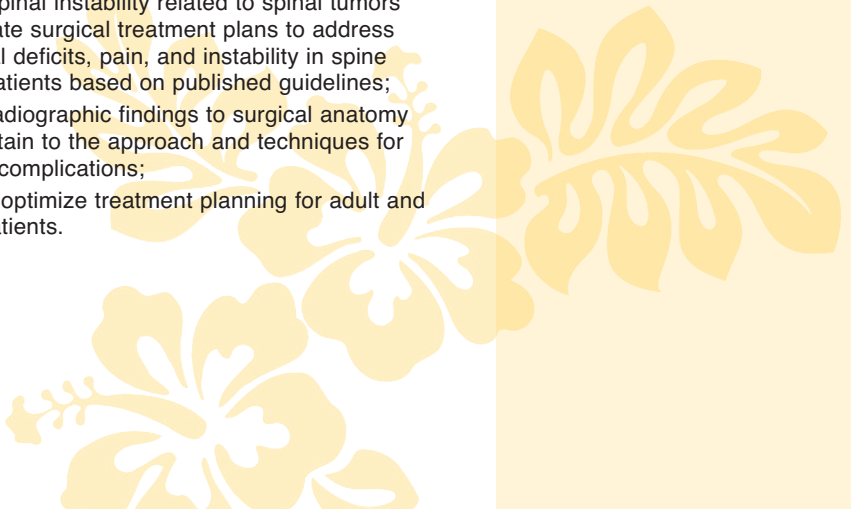
UCSF designates this live activity for a maximum of **XXXX AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This CME activity meets the requirements under California Assembly Bill 1195, continuing education and cultural and linguistic competency.

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 category 1 credit from AOACCME, Prescribed credit from AAFP, and *AMA PRA Category 1 Credits™* from organizations accredited by the ACCME.

Pharmacy: The California Board of Pharmacy accepts as continuing professional education those courses that meet the standard of relevance to pharmacy practice and have been approved for *AMA PRA Category 1 Credits™*.



UCSF Pediatric and Adult Spine Course

WEDNESDAY, FEBRUARY 27, 2019

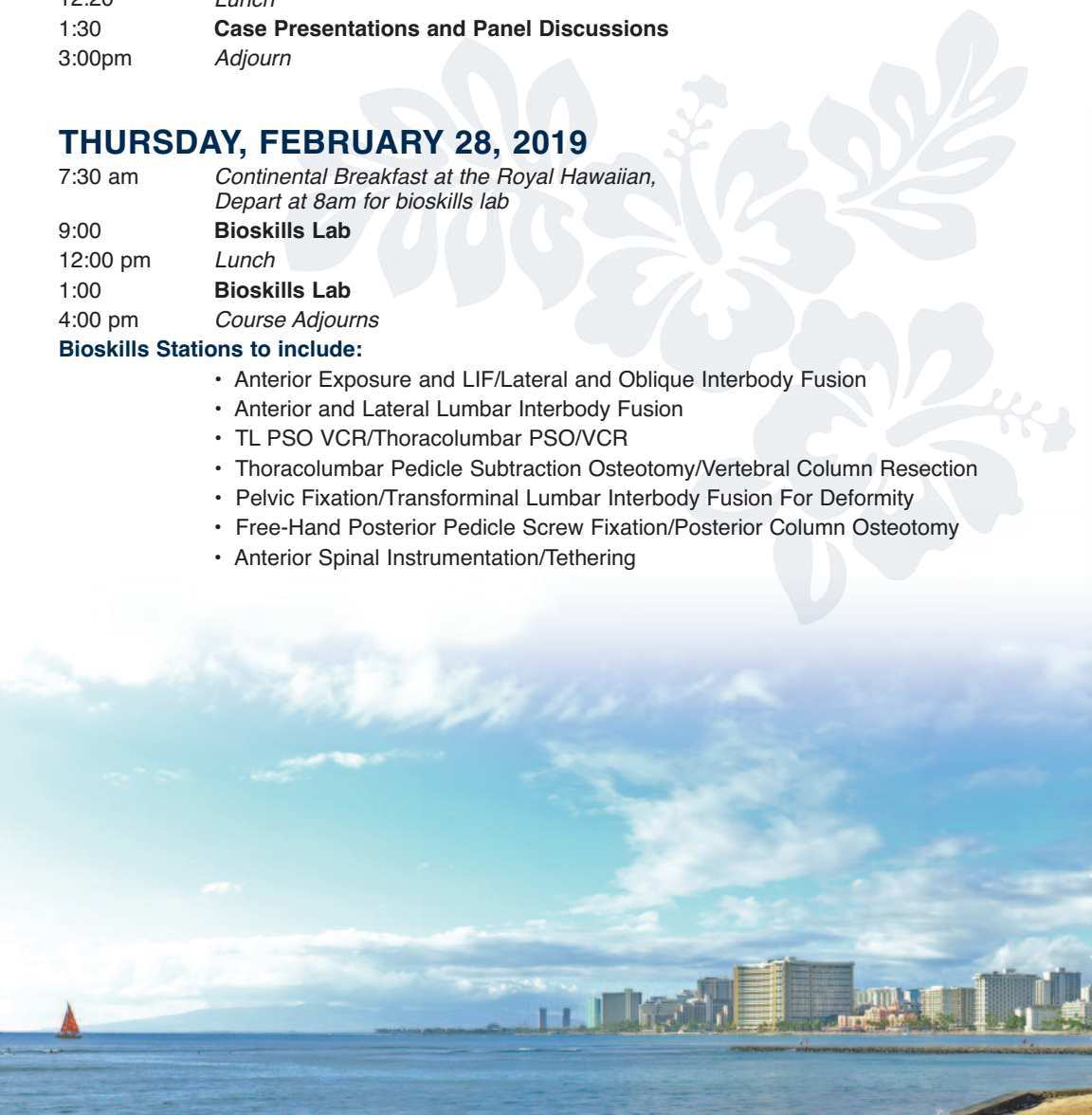
7:30 am	<i>Registration and Continental Breakfast</i>	
8:00	Welcome and Introductions	Dr. Metz and Dr. Mitsunaga
8:05	Neuromonitoring Modalities in Spine Surgery	Dr. Sina Pourtaheri
8:25	Proximal Junctional Kyphosis: Current Concepts and Prevention	Dr. Emmanuel Menga
8:45	Update on Biological Adjuvants	Dr. Kyle Mitsunaga
9:05	Honored Speaker Introduction	Dr. Lionel Metz
9:10	Appropriate Use Criteria and Spine Surgery	Dr. Sigurd Berven
9:40	Questions and Answers	
10:00	<i>Coffee Break</i>	
SCOLIOSIS		
10:15	Honored Speaker Introduction	Dr. Lionel Metz
10:20	Congenital Cervicothoracic Deformity: An Indication for Early Surgery	Dr. Yong Qiu Dr. Kyle Mitsunaga
10:50	Treatment of Adolescent Idiopathic Scoliosis	Dr. Stephen George
11:10	Modern Approaches to Fixation Anchors for Early Onset Scoliosis	Dr. Paul Moroz
11:30	Honored Speaker Introduction	
11:35	Treatment of Early Onset Scoliosis: Update 2019	Dr. Behrooz Akbarnia
12:05pm	Questions and Answers	
12:20	<i>Lunch</i>	
1:30	Case Presentations and Panel Discussions	
3:00pm	<i>Adjourn</i>	

THURSDAY, FEBRUARY 28, 2019

7:30 am	<i>Continental Breakfast at the Royal Hawaiian, Depart at 8am for bioskills lab</i>
9:00	Bioskills Lab
12:00 pm	<i>Lunch</i>
1:00	Bioskills Lab
4:00 pm	<i>Course Adjourns</i>

Bioskills Stations to include:

- Anterior Exposure and LIF/Lateral and Oblique Interbody Fusion
- Anterior and Lateral Lumbar Interbody Fusion
- TL PSO VCR/Thoracolumbar PSO/VCR
- Thoracolumbar Pedicle Subtraction Osteotomy/Vertebral Column Resection
- Pelvic Fixation/Transforaminal Lumbar Interbody Fusion For Deformity
- Free-Hand Posterior Pedicle Screw Fixation/Posterior Column Osteotomy
- Anterior Spinal Instrumentation/Tethering



FRIDAY, MARCH 1, 2019

7:30 am	<i>Registration and Continental Breakfast</i>	
8:00	Sagittal Balance in AIS	Dr. Jaime Gomez
8:20	Addressing Spinal Deformity in the Young Adult	Dr. Lionel Metz
8:40	Surgical Techniques and Complication Avoidance for Spinal Deformity Surgery	Dr. Tan Lee
9:00	Honored Speaker Introduction	Dr. Lionel Metz
9:05	Longitudinal Perspective on Pediatric and Adult Deformity Surgery	Dr. Sigurd Berven
9:35	Case Presentations	
10:00	<i>Coffee Break</i>	

SPINAL DEFORMITY CARE

10:20 am	Choosing Fusion Levels in AIS and Lateral Lumbar Interbody Fusion	Dr. Matthew Cage
10:40	Honored Speaker Introduction	Dr. Emmanuel Menga
10:45	Pre-operative Coronal Imbalance Pattern in Adult Lumbar Scoliosis: A Neglected Risk Factor for Post-operative Decompensation	Dr. Yong Qiu
11:15	Growth Modulation of Early Onset Scoliosis	Dr. Mohammad Diab
11:35	Honored Speaker Introduction	Dr. Kyle Mitsunaga
11:40	History and Evolution of Spinal Deformity Care	Dr. Behrooz Akbarnia
12:10pm	Pain After Adult Deformity Surgery	Dr. Aaron Buckland
12:30	Questions and Answers	
1:00	<i>Adjourn</i>	

GENERAL INFORMATION

Advance registration closes at 10:00am on February 25, 2019.

HOW TO ENROLL

Tuition:	Early bird	Postmarked after 1/31/19
Physicians	\$775	\$825
Nurses/Advanced Health Practitioners	\$675	\$725
Residents/Fellows	\$675	\$725

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 UCSF's CME Registration Office at (415) 476-5808.

Please check our website for up-to-date information on the course: cme.ucsf.edu

GREENER MEETING • We're saving paper! The syllabus will be available on our website one week prior to the course.

On-Site Registration: Generally we are able to accommodate on-site registration at our, however pre-registration is preferred to ensure that we have adequately prepared for all of our attendees.

REFUND POLICY

Cancellations received in writing before **10 am on February 25, 2019** will be refunded, less a \$100 administrative fee. No refunds will be made on cancellations received on or after that date.

CONFERENCE LOCATION

In the heart of Waikiki Beach, the **Royal Hawaiian** with its rich history, strong ambassador loyalty, and connection to Hawaiian culture, this historic Honolulu hotel is spectacularly located on the famed Waikiki Beach.

A block of guestrooms has been reserved at the special UCSF conference rates*:

Historic Ocean View	\$369/night
Historic Room	\$289/night

*Room Rates shown do not include room tax, resort fee or gratuities

You are urged to make your reservations early. The cut off date is **January 23, 2019**, or until the group room block is filled. After this date, rooms will be provided on a space-available basis only. To make hotel reservations on-line, go to cme.ucsf.edu and click on the hotel link in the Travel & Lodging section of the course webpage.

If you prefer to telephone in your reservation, call (808) 923-7311, please 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.

AIR TRANSPORTATION AND RENTAL CAR

UCSF has negotiated special fares with airlines and car rental agencies. Please visit the TRAVEL & LODGING section of the course webpage at cme.ucsf.edu for more information and discount codes.



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For more information, 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.



UCSF

0569
**Office of Continuing
Medical Education**
3333 California Street
Suite 450
San Francisco, CA
94118

UPCOMING COURSES

8th Annual UCSF Techniques in Complex Spine Surgery Program

November 2-3, 2018
Vdara Hotel • Las Vegas, NV

14th Annual UCSF Spine Symposium

May 31 - June 1, 2019
Parc 55 San Francisco – a Hilton Hotel
San Francisco, CA

COURSE CHAIR

Lionel N. Metz, MD

Assistant Professor of
Orthopaedic Surgery
University of California,
San Francisco

Kyle A. Mitsunaga, MD

Assistant Professor of
Orthopaedic Surgery
University of Hawaii
Medical Director, Spine Surgery,
Queens Medical Center
Honolulu, HI

HONORED SPEAKERS

Behrooz Akbarnia, MD

President and Founder, San Diego
Spine Foundation
San Diego, CA

Sigurd Berven, MD

Professor of Orthopaedic Surgery,
Chief of Spine Service
University of California,
San Francisco

Yong Qiu, MD

Chairman of Orthopedic Surgery at
Nanjing Drum Tower Hospital,
Nanjing University Medical School
Nanjing, China

COURSE FACULTY

(University of California, San Francisco,
unless otherwise noted)

Aaron Buckland, MD

Assistant Professor of
Orthopaedic Surgery
New York University
New York, NY

J. Matthew Cage, MD

Orthopaedic Surgeon,
Tripler Army Medical Center
Honolulu, HI

Mohammad Diab, MD

Professor and Chief of Pediatric
Orthopaedic Surgery

Stephen George, MD

Pediatric Orthopaedic Surgeon
Nicklaus Children's Hospital
Coral Terrace, Florida

Jaime Gomez, MD

Assistant Professor of
Orthopaedic Surgery
Albert Einstein College of Medicine
Bronx, NY

Emmanuel Menga, MD

Assistant Professor of
Orthopaedic Surgery
University of Rochester
Medical Center
Rochester, MN

Paul Moroz, MD

Pediatric Orthopaedic Surgeon
Shriners' Hospital Honolulu
Honolulu, HI

Sina Pourtaheri, MD

Assistant Professor of
Clinical Orthopaedics
University of California San Diego
San Diego, CA

Lee Tan, MD

Assistant Professor of Neurosurgery

REGISTRATION

UCSF PEDIATRIC AND ADULT SPINE COURSE (MOR19009)

February 27 – March 1, 2019 • Royal Hawaiian • Honolulu, Hawaii

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

Registration Information: (415) 476-5808
 Course Information: (415) 476-4251

Online registration: cme.ucsf.edu

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

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

Please indicate if you have any special needs: _____

Registration Fees:

Tuition:	Early bird	Postmarked after 1/31/19
<input type="checkbox"/> Physicians	\$775	\$825
<input type="checkbox"/> Nurses/Advanced Health Practitioners	\$675	\$725
<input type="checkbox"/> Residents/Fellows	\$675	\$725

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

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 _____

Refund Policy: Cancellations received in writing before **10 am on February 25, 2019** will be refunded, less a \$100 administrative fee. No refunds will be made on cancellations received on or after that date.

Please check our website for up to date information on the course: cme.ucsf.edu

On-Site Registration

Date: **Wednesday, February 27, 2019**
 Time: 7:30 - 8:00 am
 Location: **The Royal Hawaiian**
 2259 Kalakaua Ave
 Honolulu, HI 96815
 (808) 923-7311
<https://www.royal-hawaiian.com>

