Presented by the Departments of Neurosurgery and Orthopaedic Surgery
University of California, San Francisco
School of Medicine

8TH ANNUAL
UCSF Techniques in Complex Spine Surgery Course

Vdara Hotel • Las Vegas, Nevada

FRIDAY - SATURDAY
November 2-3, 2018

COURSE DIRECTORS
Christopher P. Ames, MD
Professor of Neurological and Orthopaedic Surgery
UCSF Spine Center
Vedat Deviren, MD
Professor of Orthopaedic Surgery and of Neurosurgery
University of California, San Francisco
Aaron Clark, MD, PhD
Assistant Professor of Neurological Surgery
UCSF Spine Center

HONORED GUEST SPEAKERS
Yukihiro Matsuyama, MD
Ibrahim Obeid, MD
Dominique Rothenfluh, MD, PhD
The 2018 UCSF Techniques in Complex Spine Surgery Course is a two-day course emphasizing pioneering trends in 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 portion. Participants will review and practice surgical principles and techniques in the treatment of spinal deformities and tumors. As a result of hands-on sessions and case conferences, residents, fellows, and surgeons with less than an advanced level of experience will have improved skills in cases dealing with complex spinal deformities.

TARGET AUDIENCE
Orthopaedic and neurosurgeons as well as their clinical support team and surgeons in training in the specialty of spine surgery.

OBJECTIVES
An attendee completing this course will increase skills and strategies to:

- Identify the indications, applications and surgical techniques for posterior column osteotomies, interbody fusion techniques, and transpedicular osteotomy and corpectomy techniques for spinal reconstruction;
- Evaluate and treat pain related to spinal disorders in a cost-effective and reliable manner based on recently published guidelines;
- Evaluate and treat lumbar degenerative disease and deformity in a cost-effective manner based on an evidence based approach and avoid case to morbidity risk;
- Identify risk factors that may predispose individuals to perioperative morbidity, determine modifiable risk factors and strategies for effective optimization;
- 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.
FRIDAY NOVEMBER 2, 2018

7:30 am  Registration and Continental Breakfast

8:00  Welcome and Overview

8:05  Healthcare Reform Spine Surgery: Decision Making Stakeholders Perspectives and Moral Hazard
Dr. Clark and Dr. Deviren

8:25  MIS TLIF: Techniques and Outcomes
Dr. Aaron Clark

8:50  Beyond Spinal Surgical Techniques: Integration of Technologies in MIS Spinal Surgery, Navigation, Robotics, Software Applications, and Neuromonitoring
Dr. Juan Uribe

9:25  HONORED SPEAKER INTRODUCTION
Dr. Vedat Deviren

9:30  The Transition From the Degenerative Spine to Adult Deformity: Biomechanics and Predictive Models of Failure in the Sagittal Plane
Dr. Dominique Rothenfluh

10:00  Questions and Answers

10:15  Coffee Break

10:35  Risk Stratification and Predictive Modeling in Adult Deformity Surgery
Dr. Justin Smith

10:55  Systems Reform to Enhance Safety in Spinal Deformity Surgery
Dr. Rajiv Sethi

11:15  HONORED SPEAKER INTRODUCTION
Dr. Vedat Deviren

11:20  Adult Spinal Deformity
Dr. Yukihiro Matsuyama

11:50  Questions and Answers

12:05 pm  Lunch

1:20  Adult Sagittal Plan Deformities and Options for Surgical Treatment
Dr. JC Leveque

1:40  Avoiding Coronal Malignment in Adult Spinal Deformity Surgery
Dr. Han Jo Kim

1:50  Understanding and Preventing Junctional Failure: Current Trends and Future Directions
Dr. Fred Nicholls

2:10  HONORED SPEAKER INTRODUCTION
Dr. Aaron Clark

2:15  Unusual Osteotomies Upper Thoracic, L5, S1, Spondyloptosis: Tips and Tricks
Dr. Ibrahim Obeid

2:45  A Cost Effectiveness Approach to Adult Spinal Deformity Surgery
Dr. Michael Weber
FRIDAY NOVEMBER 2, 2018 (CONT’D)

3:05 pm   Coffee Break  

Dr. Corinna Zygourakis  

3:45   Complications in Spinal Deformity Surgery  

Dr. Eric Klineberg  

4:05   A to Z: What are the Risks for the LIF Exposures?  

Dr. Charles Eichler  

4:25   Soft Tissue Closure After Spine Surgery: How to Achieve Stable Coverage  

Dr. Scott Hansen  

4:45   Advancements in Outpatient Spine Surgery  

Dr. Anuj Prasher  

5:05   Strategies for Sustained Job Satisfaction for the Deformity Surgeon  

Dr. Greg Mundis  

5:25   Questions and Answers  

5:45   Adjourn to Course Reception  

6:00 pm

SATURDAY NOVEMBER 3, 2018

8:30 am   Registration and Continental Breakfast  

Session Group A  
9:00   Cadaver Lab  

Session Group B  
9:00   Lecture and Case Presentations  

12:00 pm   Lunch  

Session Group A  
1:00   Lecture and Case Presentations  

Session Group B  
1:00   Cadaver Lab  

4:00 pm   Course Adjourns

Moderators: Sigurd Berven, MD, Shane Burch, MD, Lionel Metz, MD

Cadaver Stations to include:  
- Anterior Exposure and LIF/ Lateral and Oblique Interbody Fusion  
- C1-C2 Screw Placement/Cervical Osteotomy  
- TL PSO VCR/ Thoracolumbar PSO/VCR  
- Pelvic Fixation/En Bloc Resection Techniques  
- Posterior Pedicle Screw Fixation/Post Osteotomy/Screws

COURSE FACULTY (CONT’D)

Lionel Metz, MD  
Assistant Professor of Orthopaedics

Praveen Mummaneni, MD  
Professor of Neurological Surgery

Gregory M. Mundis, Jr., MD  
Medical Director, San Diego Center for Spinal Disorders  
Co-Director San Diego Spine Fellowship, Pediatric and Adult Deformity Surgery  
San Diego, CA

Fred Nicholls, MD  
Assistant Professor, University of Calgary  
Calgary, Alberta, Canada

Anuj Prasher, MD, FAAOS  
Orthopaedic Surgeon  
Partner, South Florida Orthopaedics and Sports Medicine  
Stuart, FL

Rajiv Sethi, MD  
Associate Professor; Chair of the Neuroscience Institute, Departments of Orthopaedics and Neurosurgery, Virginia Mason Medical Center Department of Health Services Program in Health Economics and Outcomes Methodology, University of Washington, Seattle, WA

Justin Smith, MD  
Associate Professor of Neurological Surgery; Director, Minimally Invasive Spine Surgery; Co-director, Neurosurgery Spine Division  
University of Virginia, Charlottesville, VA

Juan Uribe, MD  
Associate Professor, Director Spine Section, Department of Neurosurgery University of South Florida Department of Neurosurgery and Brain Repair, University of South Florida Tampa, FL

Michael Weber, MD  
Assistant Professor of Orthopaedic Surgery  
McGill University, Montreal, Quebec Canada

Corinna Zygourakis, MD  
Instructor of Neurosurgery, Johns Hopkins Hospital  
Baltimore, MD
GENERAL INFORMATION
Advance registration closes three (3) business days prior to start of course.

HOW TO ENROLL
Tuition: $800  Physicians
        $900  Physicians (after October 15, 2018)
        $750  Allied Health Professionals
        $850  Allied Health Professionals (after October 15, 2018)
        $650  Residents/Fellows
        $750  Residents/Fellows (after October 15, 2018)
Payment can be made by American Express, Visa, MasterCard, or check payable to UC Regents

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) 503-1795 (be sure to include your credit card number)
Phone: To register by phone or to inquire about your registration status, please call the UCSF CME Registration Office at (415) 476-5808.

REFUND POLICY
Cancellations received in writing before October 30, 2018 will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

CONFERENCE LOCATION
Enjoy Las Vegas’ renowned attractions such as the historic Fremont Street, shopping in CityCenter, or the world-famous Strip. Vdara Hotel is located in the CityCenter, an urban community filled with fine art and spectacular architecture. CityCenter is a place of high-tech meeting spaces, brilliant residences, world-class spas, extraordinary dining, modern art, and seductive bars.

A block of guestrooms has been reserved at the special UCSF conference rate of $162 for Thursday night and $219 a night on Friday and Saturday night, plus a daily resort fee of $35.00. You are urged to make your reservations early. The cut-off date is October 1, 2018, 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.

By staying at the host hotel, you help UCSF meet its contractual obligations and keep registration fees reasonable.

RENTAL CAR
Hertz is offering special rates for participants of this conference; simply call 800-654-2240 and refer to convention number # 03BW0137 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 offer code to book on your own:
United – www.united.com  code: ZZ26868008
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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. ☐ Mr. ☐ Mrs. ☐ Ms.  

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  

Please indicate if you have any special needs: ______________________________________  

Registration Fees (Receipt/Confirmation will be mailed within two to four weeks):  
☐ $800 Physicians  
☐ $900 Physicians (after October 15, 2018)  
☐ $750 Nurses/Pharmacist/Allied Health Professionals  
☐ $850 Nurses/Pharmacist/Allied Health Professionals (after October 15, 2018)  
☐ $650 Residents/Fellows  
☐ $750 Residents/Fellows (after October 15, 2018)  

Check enclosed payable to UC Regents  
Please charge my credit card: ☐ Visa ☐ MasterCard ☐ AmEx for $ ______________________  

___________________________________________ | ______________________________________  
Card #                                                                                                    Expiration date  

Name on Card (Please Print) ___________________________  
Authorized Signature ___________________________  

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

VDARA HOTEL & SPA  
2600 W. Harmon Avenue  
Las Vegas, NV 89158  
(866) 745-7767  
www.vdara.com  

Please refer to our website ucsf.cme.edu for additional information.