

Presented by the
Departments of Orthopaedic Surgery
and Neurological Surgery
University of California, San Francisco



University of California
San Francisco

9TH ANNUAL UCSF SPINE SYMPOSIUM

MARRIOTT UNION SQUARE • SAN FRANCISCO, CA

FRIDAY - SATURDAY
May 30-31, 2014



COURSE DIRECTORS

Shane Burch, MD

Associate Professor, Department of
Orthopaedic Surgery: UCSF Spine Center
University of California, San Francisco

Praveen Mummaneni, MD

Professor and Vice-Chair of Neurological
Surgery; Director of Minimally Invasive
Spine Surgery; Director of Cervical Spine
Surgery, Co-Director, UCSF Spine Center
University of California, San Francisco

UCSF Spine Center

9TH ANNUAL UCSF SPINE SYMPOSIUM

Marriott Union Square
San Francisco, CA

May 30-31, 2014

The UCSF Spine Symposium is an annual two-day event emphasizing pioneering trends in diagnostic and therapeutic strategies for patients suffering from spinal disorders. This course is designed to be interactive with talks given by leaders in the spine community. All lectures are followed by case discussions aimed at highlighting key issues in breakthrough treatments. The course is designed for neurosurgeons, orthopedists, nurses, physical therapists, physiatrists, anesthesiologists, pain specialists, as well as primary care providers.

EDUCATIONAL OBJECTIVES

The purpose of this course is to increase competence and improve clinical practice in the management of patients with spinal pathologies. Attendees will be better equipped to:

- Evaluate and treat spinal pain in a cost effective and reliable manner based on recently published guidelines;
- Identify appropriate indications for surgery of the painful, degenerated spine and identify the appropriate surgical approach based on recently published guidelines;
- Evaluate and treat lumbar degenerative disease and deformity in a cost effective manner and avoid perioperative complications by identifying risk factors that may predispose to morbidity;
- Discuss pain management strategies with patients with spine-related pain;
- Increase utilization and competence with NASS spinal stenosis guidelines;
- Provide physical exams that include a process to identify lower extremity pain that dissipates while sitting and exacerbates with standing or walking;
- Identify spinal instability related to spinal tumors and formulate surgical treatment plans to deal with neurological deficits and pain in spine oncology patients based on recently published guidelines.



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 **13.00 AMA PRA Category 1 Credits™**. Physician 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 competence.

Pain Management and End-of-Life Care

The approved credits shown above include a maximum of **10.75** credits toward meeting the requirement under California Assembly Bill 487, Pain Management and End-of-Life Care.

Geriatric Medicine

The approved credits shown above include **3.25** credits toward meeting the requirement under California Assembly Bill 1820, Geriatric Medicine.

Trauma

The approved credits shown above include **2.00** 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

American Academy of Physician Assistants accepts category 1 credit from AOACCME, Prescribed credit from AAFP, and **AMA PRA Category 1 Credit™** from organizations accredited by the ACCME.

9TH ANNUAL UCSF SPINE SYMPOSIUM

May 30-31 2014

FRIDAY, MAY 30, 2014

7:15 am *Registration and Continental Breakfast*
7:55 **Welcome and Introduction**

Shane Burch
Praveen Mummaneni

BASIC SCIENCE AND MANAGING PAIN IN THE AGING PATIENT

8:00 **PG** Natural History of Painful Spine-related Disorders
8:15 **PG** Imaging for Painful Degenerative Disc Disease
8:30 **PG** Degenerative Disc Disease and Low Back Pain
8:45 **PG** Osteoporosis and the Painful Aging Spine
9:00 **G** Vertebral Strength in the Elderly Spine and Surgery
9:15 **P** Psychiatrist Perspective on Pain Management
(Pre and Post Surgery)

Shane Burch
Thomas Link
Jeffrey Lotz
Aenor Sawyer
Tony Keaveny

9:30 **Case Presentation**

Robert Hines
Shane Burch and Robert Hines

9:45 *Break*

10:00 **P** Discogenic Pain – Novel Treatment Alternatives

Conor O'Neill

10:15 **P** What is Cost-effective in Painful Degenerative Lumbar Disease

Joel Saal

10:30 **P** Innovative Neuroplastic Pain Treatment

Michael Moskowitz

10:45 **P** Do We Know Everything About LBP? Literature Update

Sibel Demir-Deviren

11:00 **P** Use of Core Exercises in Reducing Lumbar Spine Pain

Sarah Pawlowsky

11:15 **PG** Clinical Issues in Rehabilitation of Aging Spine

Robert Gamburd

11:30 **PG** Management of Pain in Lumbar Facet Joint Degeneration

David Lee

11:45 **Introduction of the Ritchey Lecturer**

Shane Burch

11:50 **P** Posterior Cervical Decompression and Reconstruction: What Works, What Doesn't, and What Can We Improve?

John Rhee

1:15 pm *Boxed Lunch (included in tuition fee) and Exhibits*

2:10 **Introduction of Guest Speaker**

Praveen Mummaneni

2:15 **PGT** The Cervical Trauma Guidelines

Mark Hadley

2:30 **P** Peripheral Nerve Entrapments that Mimic Spine Pathology: Evaluation and Medical and Surgical Treatment

Michel Kliot

2:45 **P** Painful and Painless Foot Drop

John W. Engstrom

PAIN MANAGEMENT - NEW FRONTIERS

3:00 **P** The Painful Sacroiliac Joint: Myths, Dogma, and the Evidence

Alan BC. Dang

3:15 **P** Spinal Cord Stimulation

Jeffrey Yablon

3:30 **P** Coordination of Pain Management Strategies with the Patient and the Primary Care Physician

Melanie M. Henry

3:45 **Case Discussions**

4:00 *Break in Exhibit Hall*

5:00 **Case Discussions**

Moderator: Joel Saal

5:45 *Adjourn*

GENERAL INFORMATION

Advanced registration closes one (1) business day prior to start of course. On site registration fees, if applicable, will be applied after this date.

HOW TO ENROLL

Early Bird Rates prior to 2/28/14

Tuition: Physicians, \$350 by 2/28/14
\$375 after 2/28/14

Nurses/Pharmacists/Allied Health
Professionals/Residents/Fellows
\$250 by 2/28/14
\$275 after 2/28/14

Payment can be made by American Express, Visa, MasterCard or check.

REGISTER VIA:

Online: www.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: www.cme.ucsf.edu

On-Site Registration: Generally we are able to accommodate on-site registration at our courses, however pre-registration is preferred to ensure that we have adequate course materials.

REFUND POLICY

Cancellations received in writing before the first day of the course will be refunded, less a \$75 administrative fee. No refunds will be made on cancellations received after that date.



Marriott Union Square
San Francisco, CA

SATURDAY, MAY 31, 2014

7:30 am *Continental Breakfast*

TUMORS, TRAUMA, INFECTIONS, AND CYSTS

8:00	P	Mini-open Transpedicular Corpectomy for Treatment of Painful Spine Tumors	Dean Chou
8:15	P	Radiosurgery of the Spine: Indications, Techniques, Pain Management, and Future Direction	Igor Barani
8:30	PT	Update in Spine Trauma: Screening the Patient with Neck Pain	Murat Pekmezci
8:45	PT	Minimally-invasive Treatment Options in Spinal Trauma – Does it Decrease Pain and Blood Loss?	Sanjay Dhall
9:00		Introduction of Guest Speaker	Praveen Mummaneni
9:05	PT	Steroids for Spinal Cord Injury	R. John Hurlbert
9:45		<i>Break</i>	

DEGENERATIVE CONDITIONS AND DEFORMITY

10:00		Introduction of Guest Speaker	Shane Burch
10:05		Transitions and Transformations in Spine Surgery	Steve Glassman
10:45	PG	Indication for Combined Surgery in Painful Adult Deformity	Sigurd Berven
11:00	P	Presentation of Painful PJK	Christopher Ames
11:15	PG	High Grade Spondylolisthesis	Vedat Deviren
11:30	P	Painful Deformity, MIS Solutions	Praveen Mummaneni
11:45	PG	Clinical and Radiographic Outcomes of Painful Lumbar Disc Degeneration Following Interbody Fusion	Bobby Tay
12:00 pm	PG	Osteoporosis and Spine Surgery in the Elderly	Shane Burch
12:15		<i>Lunch (included in tuition)</i>	

EVIDENCE-BASED MEDICINE AND QUALITY ASSURANCE FOR TREATMENT OF THE PAINFUL SPINE

1:45	P	UC Collaboration and Outcomes	Samuel Bederman
2:00	P	Optimizing Anesthesia: Minimizing Blood Loss and Pain	Jeremy Lieberman
2:15	P	Low Back Pain Management from the Perspective of a Practicing Spine Surgeon	L. William Whitlatch
2:30	PG	Case Presentations – Spine Pain/Trauma	
3:00		<i>Break</i>	
3:15	PT	Case Presentations – Spine Pain/Trauma	Moderator: Joel Saal
3:45		<i>Adjourn</i>	

G – Geriatric Credit **P** – Pain Credit **T** – Trauma Credit

program

CONFERENCE LOCATION

Enjoy San Francisco's renowned attractions such as the historic cable cars, shopping in Union Square, or visit San Francisco's culinary hub at the Ferry Building.

Marriott Union Square is just steps from Union Square and the Theatre District. A block of guestrooms has been reserved at the special UCSF conference rate of **\$189/night**. You are urged to make your reservations early. The cut off date is **May 9, 2014**, 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 please call (800) 228-9290 or (415) 398-8900 and identify yourself as a member of this UCSF conference to receive the special rate.

You can also reserve your hotel rooms on-line by visiting the course webpage on our website at **www.cme.ucsf.edu**. Please click on the reservations link in the Travel & Lodging section.

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 # 03BW0133 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 American and United Airlines for our course attendees. You may use the following tour codes to book on your own:

American – www.aa.com code: 5954AE
United – www.united.com code: ZQPP914327

Neurosurgery Update 2014 in the Wine Country
Thursday, August 7 – Saturday, August 9, 2014
Silverado Resort - Napa, California

International Meeting of Meningiomas and the Cerebral Venous System
Sunday, August 10 – Tuesday, August 12, 2014
Silverado Resort - Napa, California



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For more information
or to register online
visit our website at
www.cme.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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Associate Professor
of Orthopaedic Surgery;
Director, UCSF Spine
Center, University of
California, San Francisco
Praveen Mummaneni, MD
Professor and Vice-Chair of
Neurological Surgery;
Director of Minimally
Invasive Spine Surgery;
Director of Cervical Spine
Surgery, Co-Director, UCSF
Spine Center University of
California, San Francisco

SPECIAL GUEST FACULTY

Steve Glassman, MD
President – Scoliosis
Research Society; Professor
of Orthopaedic Surgery,
University of Louisville,
Norton Leatherman Spine
Center

Mark N. Hadley, MD
Professor, Patsy W. and
Charles A. Collat Endowed
Chair in Neurosurgery, UAB
School of Medicine,
Birmingham, AL

**R. John Hurlbert, MD, PhD,
FRCS, FACS**
Associate Professor of
Neurosurgery, University
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John S. Rhee, MD
Associate Professor of
Orthopaedics, Emory
Healthcare Network
Physician, Atlanta, GA

COURSE FACULTY

(all UCSF unless otherwise noted)

Christopher Ames, MD
Professor of Neurosurgery;
Co-Director, Spinal Surgery
and UCSF Spine Center;
Co-director, Neurospinal
Disorders Program; Director
of Spinal Tumor and
Deformity Surgery

Igor Barani, MD
Assistant Professor of
Radiation Oncology, Vice-
Chair for Clinical Research
**S. Samuel Bederman, MD,
PhD, FRCS**

Assistant Professor of
Orthopaedic Surgery,
University of California,
Irvine, Irvine, CA

Sigurd Berven MD
Professor of Orthopaedic
Surgery

Dean Chou, MD
Associate Professor of
Neurosurgery

John W. Engstrom, MD
Betty Anker Fife
Distinguished Professor;
Clinical Chief of Service,
Department of Neurology

Alan BC. Dang, MD

Assistant Professor of
Orthopaedic Surgery

Sibel Demir-Deviren, MD
Associate Professor

Robert Gamburd, MD
Physiatrist, Sports,
Orthopedic, and
Rehabilitation Medicine
Associates (SOAR)
Physiatry Medical Group,
Redwood City, CA

COURSE FACULTY (CONT'D)

Melanie M. Henry, MD, MPH
Professor of Anesthesia and
Perioperative Care

Robert Hines, MD
Co-Director, Bay Area Pain
Medical Associates, Mill
Valley, CA

Vedat Deviren, MD
Professor of Orthopaedic
Surgery

Tony M. Keaveny, PhD
Professor of Mechanical
Engineering and
Bioengineering, UC
Berkeley, Berkeley, CA

Michel Kliot, MD
Professor of Clinical
Neurosurgery; Director,
Center for Management and
Surgery of Peripheral Nerve
Disorders at UCSF

David J. Lee, MD
Professor of Anesthesia and
Perioperative Care

Jeremy Lieberman, MD
Professor and Chief of
Spine Anesthesia

Thomas M. Link, MD, PhD
Professor of Radiology;
Chief, Musculoskeletal
Imaging

Jeffrey C. Lotz, PhD
Professor of Orthopaedic
Surgery; Director,
Bioengineering Lab,
Research Labs

**Michael H. Moskowitz,
MD, MPH**
Staff Psychiatrist,
SpineCare Medical Group,
Inc., Daly City, CA

COURSE FACULTY (CONT'D)

Conor O'Neill
Assistant Professor of
Orthopaedics

**Sarah Balys Pawlowsky,
PT, DPT, OCS**

Assistant Professor of
Physical Therapy and
Rehabilitation Science

Murat Pekmezci, MD
Assistant Professor of
Orthopaedic Trauma
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MOR14003

Mail to : UCSF Office of CME
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Fax: (415) 502-1795

Online registration: www.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: ____ / ____ / **X X**
Month Day

 Please indicate if you have any special needs: _____

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

By 2/28/14 ☐ **\$350** Physicians
After 2/28/14 ☐ **\$375** Physicians

By 2/28/14 ☐ **\$250** Nurses/Pharmacists/Allied Health Professionals/Residents/Fellows
After By 2/28/14 ☐ **\$275** Nurses/Pharmacists/Allied Health Professionals/Residents/Fellows

Check enclosed payable to *UC Regents*

Please charge my credit card: ☐ Visa ☐ MasterCard ☐ AmEx for \$ _____

Card #	Expiration date
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Name on Card (Please Print)	Authorized Signature
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Refund Policy: Cancellations received in writing before the first day of the course will be refunded, less a \$75 administrative fee. No refunds will be made on cancellations received after that date.
Please check our website for up to date information on the course: www.cme.ucsf.edu.

Marriott Union Square
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