

Department of Epidemiology and  
Biostatistics  
University of California, San Francisco  
School of Medicine



11<sup>TH</sup> ANNUAL

# OSTEOPOROSIS

NEW INSIGHTS IN RESEARCH, DIAGNOSIS,  
AND CLINICAL CARE

HOTEL KABUKI • SAN FRANCISCO, CALIFORNIA



THURSDAY - FRIDAY

July 24-25, 2014

#### COURSE DIRECTORS

**Dennis M. Black, PhD**

Professor of Epidemiology and Biostatistics  
University of California, San Francisco

**Ann V. Schwartz, PhD**

Associate Professor of Epidemiology  
and Biostatistics  
University of California, San Francisco

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AND CLINICAL CARE

Hotel Kabuki  
San Francisco, California

## July 24-25, 2014

**Presented by the Department of Epidemiology and Biostatistics of the University of California, San Francisco School of Medicine, this 2-day course features an expert faculty that will discuss the epidemiology, pathophysiology, diagnosis, and treatment of osteoporosis. Specific topics will include the cell biology of osteoporosis, bone biomechanics, endocrine and nutrition aspects of osteoporosis, and advances in skeletal imaging, such as CT and MRI scanning. The course will also critically review current treatment options and preview new treatments under study. There will be an emphasis on recent developments and current controversies in the etiology, diagnosis, and management of osteoporosis.**

### TARGET AUDIENCE

The course is designed for physicians and other professionals in health research or clinical care who would find additional scientific background in the disease helpful, including those specifically involved in osteoporosis such as clinical trial managers, statisticians, physical therapists, and radiologic technologists. No prior clinical or scientific training in osteoporosis is required.

### EDUCATIONAL OBJECTIVES

An attendee completing this course should be able to improve clinical competence to:

- Use the combination of both bone mineral density and the WHO/FRAX calculator to diagnose osteoporosis and predict fracture risk;
- Include both non-pharmacological and pharmacological counseling and therapy to patients for osteoporosis prevention and management;
- Include new pharmacological therapies in treatment of osteoporosis;
- Evaluate the benefits and risks of continuing long-term osteoporosis therapy;
- Recognize and treat osteoporosis.

### 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 **12.25 AMA PRA Category 1 Credit/s™**. 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.

**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 Credit™*.

**AAFP:** Application for CME credit has been filed with the American Academy of Family Physicians. **Determination of credit is pending.**

**Geriatric:** The approved credits shown above include **12.25** credits toward meeting the requirement under California Assembly Bill 1820, Geriatric Medicine.



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## THURSDAY, JULY 24, 2014

8:00 am *Registration and Continental Breakfast*

**MORNING MODERATOR: DENNIS BLACK, PhD**

### Bone Strength and Fracture Epidemiology

8:30 **Bone Structure and Function and the Bone Remodeling Cycle** Dolores Shoback, MD

9:10 **Q&A**

9:20 **Beyond BMD: Bone Quality and Bone Strength** Mary Bouxsein, PhD

10:00 **Q&A**

10:05 *Break*

10:25 **Risk Factors for Fracture** Dennis Black, PhD

10:50 **Q&A**

### Tools of Risk Assessment and Diagnosis

10:55 **Osteoporosis Diagnosis: BMD, FRAX and Assessment of Secondary Osteoporosis** Steven Harris, MD, FACP

11:30 **Q&A**

11:40 *Lunch (on your own)*

**AFTERNOON MODERATOR: MARY L. BOUXSEIN, PHD**

### Special Topics in Osteoporosis

1:10 pm **Bad to the Bones: Corticosteroids and Prevention of Corticosteroid-induced Osteoporosis** Nancy Lane, MD

1:40 **Q&A**

1:45 **Bad to the Bones: Cancer Treatments and Other Medications** Jonathan Graf, MD

2:15 **Q&A**

2:20 **Ask for a Consult. Panel on Treatment of Osteoporosis Secondary to Medications.** Jonathan Graf, MD  
Steven Harris, MD  
Nancy Lane, MD

2:50 *Break*

3:10 **Kyphosis: Causes, Consequences, Treatment** Wendy Katzman, PhD

3:45 **Q&A**

3:50 **Osteoporosis in Chronic Kidney Disease** TBD

4:20 **Q&A**

### Treatment and Prevention: Non-Pharmacologic Interventions

4:25 **The Other Half of the Fracture Equation: Fall Prevention and Management** Edgar Pierluissi, MD

4:55 **Q&A**

5:00 pm *Adjourn*

program

#### GENERAL INFORMATION

Advanced registration closes one (1) business day prior to start of course.

#### REGISTRATION INFORMATION

Tuition: **\$425** Physicians  
**\$325** Nurses/Pharmacists/  
Allied Health Professionals/  
Residents/Fellows

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

#### REGISTER VIA:

**Online:** [www.cme.ucsf.edu](http://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.

**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.

Please check our website for up-to-date information on the course: [www.cme.ucsf.edu](http://www.cme.ucsf.edu)

#### 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.

**FRIDAY, JULY 25, 2014**8:00 am *Continental Breakfast***MORNING MODERATOR: DEBORAH E. SELLMEYER, MD****Treatment and Prevention: Non-Pharmacologic Interventions** *continued*

- 8:30 **Vertebroplasty and Kyphoplasty** Doug Bauer, MD  
 8:55 **Q&A**  
 9:00 **Controversies in the Use of Vitamin D and Calcium** Deborah Sellmeyer, MD  
 9:30 **Q&A**  
 9:40 *Break*  
 10:00 **Case Studies of Interpretation of BMD Scans** Deborah Sellmeyer, MD  
 10:35 **Q&A**

**Treatment and Prevention: Pharmacologic Interventions**

- 10:40 **Bisphosphonates: Efficacy** Dennis Black, PhD  
 11:05 **Q&A**  
 11:10 **SERMS and Estrogen** Clifford Rosen MD  
 11:25 **Q&A**  
 11:30 *Lunch (on your own)*

**AFTERNOON MODERATOR: ANNE SCHAFER, MD****Treatment and Prevention: Pharmacologic Interventions** *continued*

- 1:00 pm **Denosumab** Clifford Rosen, MD  
 1:15 **Q&A**  
 1:20 **Teriparatide Alone and in Combination with Anti-Resorptives** Anne Schafer, MD  
 1:40 **Q&A**  
 1:45 **Controversies in Long Term Treatment** Dennis Black, PhD  
 2:10 **Q&A**  
 2:15 **Bone Turnover Markers to Monitor Treatment** Doug Bauer, MD  
 2:35 **Q&A**  
 2:40 *Break*

**Clinical Issues, Choices, and Dilemmas in Osteoporosis Therapy**

- 3:00 **An Overview of Treatment: Who and When to Treat** Dolores Shoback, MD  
 3:30 **Q&A**

**New Treatments**

- 3:35 **Odanacatib and Anti-sclerostin Antibody: New Treatments on the Horizon** Mary Bouxsein, PhD  
 3:55 **Q&A**  
 4:00 **Ask for a Consult. A Roundtable on Osteoporosis Cases.** Steven Harris MD  
 Deborah Sellmeyer MD  
 Cliff Rosen MD  
 4:40 *Adjourn/Evaluations*

**CONFERENCE LOCATION****HOTEL KABUKI**

A block of guestrooms has been reserved at the special UCSF conference rate of **\$209/night**. You are urged to make your reservations early. The cut-off date is **June 23, 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 on-line, go to [www.cme.ucsf.edu](http://www.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 1-800-533-4567 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.*

**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](http://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](http://www.aa.com) code: 1574DV  
 United – [www.united.com](http://www.united.com) code: ZS2J871241



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You may also reach  
us by calling the  
Office of CME at  
(415) 476-4251 or  
emailing  
[info@ocme.ucsf.edu](mailto:info@ocme.ucsf.edu).

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and Biostatistics  
University of California,  
San Francisco

**Ann V. Schwartz, PhD**  
Associate Professor of  
Epidemiology and Biostatistics  
University of California,  
San Francisco

#### GUEST FACULTY

**Mary L. Bouxsein, PhD**  
Associate Professor,  
Department of Orthopedic Surgery  
Harvard Medical School,  
Boston, MA

**Nancy Lane, MD**  
Endowed Professor of Medicine  
and Rheumatology  
University of California at Davis  
Davis, CA

**Clifford J. Rosen, MD**  
Professor of Medicine  
Tufts University School of Medicine  
Maine Medical Center Research  
Institute  
Scarborough, ME

**Deborah E. Sellmeyer, MD**  
Associate Professor of Medicine,  
Director, Johns Hopkins  
Metabolic Bone Center  
Baltimore, MD

#### UCSF COURSE FACULTY

(University of California, San Francisco)

**Douglas C. Bauer, MD**  
Professor of Medicine and of  
Epidemiology and Biostatistics

**Jonathan Graf, MD**  
Associate Professor of Medicine;  
Division of Rheumatology,  
San Francisco General Hospital

**Steven T. Harris, MD, FACP**  
Professor of Medicine

**Wendy Katzman, PT, DPTSc**  
Assistant Professor of Physical  
Therapy & Rehabilitation Science

**Edgar Pierluissi, MD**  
Associate Professor of Medicine  
Medical Director of the Acute Care  
for Elders Unit at the San Francisco  
General Hospital

**Anne Schafer, MD**  
Assistant Professor of Medicine,  
Division of Endocrinology  
San Francisco VA Medical Center

**Dolores M. Shoback, MD**  
Professor of Medicine, UCSF  
Endocrine Research Unit  
San Francisco VA Medical Center

faculty

11<sup>TH</sup> ANNUAL

MEP15001

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Mail to : UCSF Office of CME  
P.O. Box 45368  
San Francisco, CA 94145-0368Online registration: [www.cme.ucsf.edu](http://www.cme.ucsf.edu)  
Registration Information: (415) 476-5808  
Course Information: (415) 476-4251  
Fax: (415) 502-1795 Dr.  Mr.  Mrs.  Ms.

Last Name \_\_\_\_\_ First \_\_\_\_\_ M.I. \_\_\_\_\_

Degree \_\_\_\_\_ Specialty \_\_\_\_\_


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Daytime Phone \_\_\_\_\_ Fax \_\_\_\_\_

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Would you like to be on our priority email list?  Yes  NoDate of birth to be used as OCME registrant number: \_\_\_\_ / \_\_\_\_ / **XX**  
Month Day Please indicate if you have any special needs: \_\_\_\_\_**Registration Fees:**

- \$425** Physicians
- \$325** Nurses/Allied Health Professionals/Residents/Fellows

Make checks payable to *UC Regents*Please charge my credit card:  Visa  MasterCard  AmEx for \$ \_\_\_\_\_

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Name on Card (Please Print) \_\_\_\_\_ Authorized Signature \_\_\_\_\_

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[www.jdvhotels.com](http://www.jdvhotels.com)  
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