29TH ANNUAL
ADVANCES IN HEART DISEASE

GRAND HYATT SAN FRANCISCO • SAN FRANCISCO, CALIFORNIA

December 14-16, 2012

COURSE DIRECTOR
Peter Ganz, MD, FACC
Chief, Division of Cardiology
San Francisco General Hospital;
Maurice Eliazer Distinguished
Professor of Medicine
University of California, San Francisco

CO-DIRECTORS
Nora F. Goldschlager, MD, FACC
Chief, Clinical Cardiology
Director, CCU, ECG Lab and Pacemaker Clinic
San Francisco General Hospital;
Professor of Medicine
University of California, San Francisco

Gabriel Gregoratos, MD, FACC
Emeritus Professor of Medicine
University of California, San Francisco

Endorsed by
American College of Cardiology, California Chapter
Our 29th annual course, “Advances in Heart Disease,” will again strive to present topics that highlight new evidence-based medicine findings reported within the last one to two years that impact on clinical practice. These will range across a variety of cardiologic subspecialty interests including preventive cardiology, congenital heart disease, interventional cardiology, electrophysiology, cardiac imaging, cardiovascular pharmacotherapy, clinical cardiology, and cardiac surgery. Our faculty will include a distinguished group of visiting academicians from North America together with outstanding teachers and clinicians from the University of California, San Francisco. We plan to offer adequate time after each set of lectures in a given topic area to permit a panel discussion as well as to extend to our attendees the opportunity to comment and/or to direct questions to the faculty.

TARGET AUDIENCE
This course is intended for cardiovascular specialists, practicing cardiologists, internists, family physicians, cardiovascular and critical care nurses, and parrophysicians.

EDUCATIONAL OBJECTIVES
Upon completion of the course, attendees should be able to:

- Manage pregnant women with heart disease, with understanding of valvular heart disease, congenital heart disease, hypertension and cardiomyopathy during pregnancy and post-partum;
- Analyze the latest developments on how renal function affects cardiovascular health, with understanding of cardiorenal syndrome, optimal use of diuretics and interventional renal approaches for managing hypertension;
- Identify the advances in the use of cardiac imaging, with the understanding of how myocardial viability affects coronary bypass surgical outcomes and when cardiac MRI is the preferred imaging approach;
- Improve the management of patients with thrombosis and embolism, in particular acute pulmonary embolism, chronic thromboembolic pulmonary hypertension, and thromboembolic strokes;
- Recognize the effects of dietary supplements on heart disease;
- Identify the special considerations of sexual activity in patients with heart disease;
- Improve upon the treatment of coronary heart disease in the setting of systemic inflammatory conditions (e.g., in rheumatoid arthritis);
- Review a modern and evidence-based work-up for arrhythmia management, with understanding of indications for ablation of frequent PVCs, use of resynchronization therapy, appropriate use of ICDs and electromagnetic interference of pacemaker function;
- Recognize the latest catheter-based and surgical treatments, with understanding of transcatheter aortic valve replacement (TAVR), aortic aneurysm and dissection, percutaneous mitral valve repair and recent developments in coronary intervention.

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. The UCSF School of Medicine designates this live activity for a maximum of 16.75 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 Credits™ issued by organizations accredited by the ACCME.

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

Physician Assistants: AAPA accepts category 1 credit from AOACCME, Prescribed credit from AAFP, and AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.
### FRIDAY, DECEMBER 14, 2012

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<tr>
<td>7:00 am</td>
<td>Registration and Continental Breakfast</td>
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<tr>
<td>8:10</td>
<td>Welcome and Symposium Perspective</td>
<td>Dr. Peter Ganz</td>
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#### HEART DISEASE IN PREGNANCY

Presiding: Dr. Gabriel Gregoratos

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:15</td>
<td>Valvular Heart Disease in Pregnancy</td>
<td>Dr. Gabriel Gregoratos</td>
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<tr>
<td>8:55</td>
<td>Congenital Heart Disease in Pregnancy</td>
<td>Dr. Elyse Foster</td>
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<tr>
<td>9:35</td>
<td>Peripartum Cardiomyopathy: New Concepts in Pathophysiology and Management</td>
<td>Dr. Uri Elkayam</td>
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<tr>
<td>10:15</td>
<td>Break/Refreshments</td>
<td>Dr. Neal Benowitz</td>
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<tr>
<td>10:40</td>
<td>Hypertension in Pregnancy</td>
<td>Drs. Gregoratos, Foster, Elkayam and Benowitz</td>
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<tr>
<td>11:20</td>
<td>Panel Discussion of Audience Questions</td>
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<tr>
<td>12:00 pm</td>
<td>Lunch (On Your Own)</td>
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#### KIDNEY AND THE HEART

Presiding: Dr. Peter Ganz

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<tbody>
<tr>
<td>1:15</td>
<td>Interventional Approach to Managing Hypertension</td>
<td>Dr. Yerem Yeghiazarians</td>
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<td>1:45</td>
<td>Cardiorenal Syndrome: What is It and What Can be Done for It?</td>
<td>Dr. Ramin Sam</td>
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<td>2:15</td>
<td>Diuretics in Heart Failure: What’s Best and Why?</td>
<td>Dr. Uri Elkayam</td>
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<td>2:45</td>
<td>Panel Discussion of Audience Questions</td>
<td>Drs. Yeghiazarians, Sam and Elkayam</td>
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<td>3:15</td>
<td>Break/Refreshments</td>
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#### CARDIAC IMAGING

Presiding: Dr. Peter Ganz

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<th>Time</th>
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<tbody>
<tr>
<td>3:35</td>
<td>Cardiac MRI: When and Why is It the Preferred Approach</td>
<td>Dr. Thomas Urbania</td>
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<td>4:05</td>
<td>Myocardial Viability Assessment in Evaluation for CABG</td>
<td>Dr. Michael Crawford</td>
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<td>4:35</td>
<td>Panel Discussion of Audience Questions</td>
<td>Drs. Urbania and Crawford</td>
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<td>5:00 pm</td>
<td>Adjourn</td>
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### SATURDAY, DECEMBER 15, 2012

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<tbody>
<tr>
<td>7:00 am</td>
<td>Continental Breakfast</td>
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#### THROMBOSIS AND EMBOLISM

Presiding: Dr. Mary Gray

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<tr>
<td>8:15</td>
<td>Acute Pulmonary Embolism: Advances in Management</td>
<td>Dr. Gregory Piazza</td>
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<td>8:45</td>
<td>Stroke: Update in Management Strategies and Outcomes</td>
<td>Dr. Veneeta Singh</td>
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<td>9:15</td>
<td>Cryptogenic Stroke: When and How Best to Treat</td>
<td>Dr. Mary Gray</td>
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<tr>
<td>9:45</td>
<td>Chronic Thromboembolic Pulmonary Hypertension</td>
<td>Dr. Gregory Piazza</td>
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<td>10:15</td>
<td>Break/Refreshments</td>
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<tr>
<td>10:35</td>
<td>Panel Discussion of Audience Questions</td>
<td>Drs. Piazza, Singh and Gray</td>
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#### SPECIAL TOPICS IN CARDIOLOGY

Presiding: Dr. Gabriel Gregoratos

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<tr>
<td>11:10 am</td>
<td>Dietary Supplements and Heart Disease</td>
<td>Dr. Christine Haller</td>
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<td>11:40</td>
<td>Coronary Heart Disease in Systemic Inflammatory Conditions</td>
<td>Dr. Peter Ganz</td>
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<tr>
<td>12:10 pm</td>
<td>Lunch (On Your Own)</td>
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<tr>
<td>1:20</td>
<td>Sexual Activity in Patients with Heart Disease</td>
<td>Dr. Melvin Cheitlin</td>
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<td>1:50</td>
<td>Panel Discussion of Audience Questions</td>
<td>Drs. Haller, Ganz and Cheitlin</td>
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**29TH ANNUAL ADVANCES IN HEART DISEASE**

December 14-16, 2012
**SATURDAY, DECEMBER 15, 2012 (CONT’D)**

**ARRHYTHMIA UPDATE**

Presiding: Dr. Nora Goldschlager

- **2:20**  
  PVC Ablation: When and Why  
  Dr. Edward Gerstenfeld  

- **2:50**  
  Update on Cardiac Resynchronization Therapy  
  Dr. Nitish Badhwar

- **3:20**  
  Break/Refreshments

- **3:40**  
  ICDs – Long Term Efficacy  
  Dr. Byron Lee

- **4:10**  
  Electromagnetic Interference and Pacemaker Function  
  Dr. Nora Goldschlager

- **4:40**  
  Panel Discussion of Audience Questions  
  Drs. Gerstenfeld, Badwar, Lee and Goldschlager

- **5:10 pm**  
  Adjourn

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**SUNDAY, DECEMBER 16, 2012**

**8:00 am**  
Continental Breakfast

**GENERAL TOPICS IN CARDIOLOGY**

Presiding: Dr. John MacGregor

- **8:15**  
  Transcatheter Aortic Valve Replacement  
  Dr. Susheel Kodali

- **8:45**  
  Aortic Aneurysm and Dissection  
  Dr. Arthur Hill

- **9:15**  
  Percutaneous Mitral Valve Repair  
  Dr. Susheel Kodali

- **9:45**  
  Update on Coronary Intervention  
  Dr. John MacGregor

- **10:15**  
  Panel Discussion of Audience Questions  
  Drs. Kodali, Hill and MacGregor

- **11:15 am**  
  Adjourn

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**GENERAL INFORMATION**

Pre-registration is preferred to ensure that registrants receive a syllabus at the course.

**HOW TO ENROLL**

**Tuition:**
- **$355**  
  Physicians  
  ($635 after November 30, 2012)

- **$400**  
  Allied Health Professionals/Residents/Fellows  
  ($450 after November 30, 2012)

Payment may be made by Visa, MasterCard, AmEx 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.

**On-Site Registration:** Generally we are able to accommodate on-site registration at our courses. Please check our website for up-to-date information on the course: www.cme.ucsf.edu

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**CONFERENCE LOCATION**

The Grand Hyatt San Francisco is located on Union Square, the San Francisco neighborhood that has become a mecca for high end shopping and art galleries. 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. A block of guestrooms has been reserved at the at a special UCSF discounted conference rate of $229/night. To make hotel reservations on-line, go to https://resweb.passkey.com/go/Heart2012. If you prefer to telephone in your reservation, call 1-888-421-1442 and please identify yourself as a member of this UCSF conference to receive the special rate. The contracted cut off date is November 14, 2012, or until the group room block is filled, whichever comes first. After this date, rooms will be provided on a space-available basis only.

**Hotel Policies:** Reservations must be cancelled at least 24 hours in advance or a one-night’s stay (and applicable taxes) will be charged. A credit card number is required to confirm your reservation. Check-in is 3:00 pm; Check-out is 12:00 noon. Room rates are subject to all state and local taxes (currently 14% , subject to change without notice).

**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.**

For air transportation and rental car discount information, please visit our website.
Upcoming CME Courses

COURSE DIRECTOR
Peter Ganz, MD
Chief, Division of Cardiology
San Francisco General Hospital; Maurice Eliaser Distinguished Professor of Medicine, University of California, San Francisco

CO-DIRECTORS
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Chief, Clinical Cardiology
Director, CCU, ECG Lab and Pacemaker Clinic
San Francisco General Hospital; Professor of Medicine
University of California, San Francisco

Gabriel Gregoratos, MD, FACC
Emeritus Professor of Medicine
University of California, San Francisco

VISITING COURSE FACULTY
Uri Elkayam, MD
Professor of Medicine
Professor of Obstetrics and Gynecology, University of Southern California

Susheel Kodali, MD
Co-Director, Heart Valve Center
Director, Interventional Cardiology Fellowship Program
Columbia University Medical Center

Gregory Piazza, MD
Instructor in Medicine
Harvard Medical School

COURSE FACULTY
(University of California, San Francisco)
Nilish Badhwar, MD, FACC, FHRS
Associate Professor of Clinical Medicine; Stone-Chamberlain Endowed Chair in Cardiology; Director, Cardiac Electrophysiology Training Program; Associate Chief, Cardiac Electrophysiology

Neal L. Benowitz, MD
Professor of Medicine and Bioengineering & Therapeutic Sciences; Chief, Division of Clinical Pharmacology

Thomas P. Bersot, MD, PhD
Professor of Medicine
Associate Investigator, Gladstone Institute of Cardiovascular Disease; Lipid Clinic Chief, San Francisco General Hospital

Melvin Cheitlin, MD, FACC
Emeritus Professor of Medicine
UCSF School of Medicine, Cardiology Staff, San Francisco General Hospital

Michael H. Crawford, MD, FACC
Professor of Medicine, UCSF; Chief of Clinical Cardiology, UCSF Medical Center

Elyse Foster, MD
Professor of Medicine
Director, Adult Non-Invasive Services; Director, Adult Congenital Heart Disease Service

Edward P. Gerstenfeld, MS, MD
Associate Professor of Medicine
Chief of Electrophysiology

Mary Gray, MD
Professor of Medicine
Director, Cardiology Clinics, San Francisco General Hospital

COURSE FACULTY (CONT’D)
Christine A. Haller, MD
Assistant Professor of Medicine
Clinical Pharmacology; Chair, Hepatotoxicity Advisory Committee

Arthur Hill, MD
Professor of Surgery
Chief, Thoracic Surgery, San Francisco General Hospital

Byron K. Lee, MD
Associate Professor of Clinical Medicine

John S. MacGregor, MD
Professor of Medicine
Director, Cardiac Catheterization Laboratory, and Interventional Cardiology, San Francisco General Hospital

Ramin Sam, MD
Associate Clinical Professor of Medicine

Veneeta Singh, MD
Associate Professor of Clinical Neurology

Thomas Urbania, MD
Assistant Professor of Clinical Radiology, Cardiac and Pulmonary Imaging

Yerem Yeghiazarians, MD, FACC
Associate Professor of Medicine
Leone-Perkins Family Endowed Chair in Cardiology and Interventional Cardiology; Director, Translational Cardiac Stem Cell Program; Director, Peripheral Interventional Cardiology Program; Co-Director, UCSF Cardiac Catheterization Laboratory

Cardiovascular Research Institute
Eli and Edythe Broad Center of Regeneration Medicine and Stem Cell Research
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**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:  
Month  Day  X X

Please indicate if you have any special needs:

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

- ☐ $585  Physicians  
  ($635 after November 30, 2012)
- ☐ $400  Nurses/Pharmacist/Allied Health Professionals/Residents/Fellows  
  ($450 after November 30, 2012)

Make checks payable to UC Regents

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

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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](http://www.cme.ucsf.edu)