

29th ANNUAL UCLA SYMPOSIUM

A Comprehensive Review and Update of

What's New in Vascular and Endovascular Surgery

Course Chair: Wesley S. Moore, MD

Division of Vascular Surgery and the
Gonda (Goldschmied) Vascular Center



September 12th – September 15th, 2011
Monday - Thursday

Renaissance Hollywood Hotel & Spa, Hollywood, California

CME OFFICE OF
CONTINUING
MEDICAL
EDUCATION

DAVID GEFKEN SCHOOL OF MEDICINE at **UCLA**

Vascular and Endovascular Surgery

29th Annual UCLA Symposium: A Comprehensive Review and Update of What's New in Vascular and Endovascular Surgery

This four-day course provides an in-depth review of the specialty of vascular surgery. The course recognizes four major pillars of vascular surgery practice, which include (1) conventional open operations, (2) catheter-based intervention (endovascular surgery), (3) the medical aspects of patient management, (4) diagnostic imaging and noninvasive testing. An internationally recognized faculty will present a comprehensive survey of generally accepted views, including basic science, pathogenesis, diagnosis, and management of the broad spectrum of vascular disorders. In addition, each speaker has been asked to take a portion of their allotted time in order to review the important new developments, as related to their topic that have taken place within the last year. We have also requested that each speaker end their presentation with 2-3 questions appropriate to their topic. As such, this course can be regarded as a complete didactic review of the specialty of vascular surgery, together with an update of new material.

In recognition of the increasingly important role of endovascular intervention in the vascular surgeon's practice, we continue to add topics that provide an update on endovascular surgery together with interactive case presentations involving those techniques.

This course addresses the needs of practicing vascular surgeons who wish to review the specialty and update their knowledge of new topics in this rapidly expanding field. In addition, vascular surgery residents will find this course a comprehensive overview of the subject that is designed to supplement their training and to provide a foundation of basic science necessary for their complete understanding of the subject. It conforms to the clinical and basic science curriculum as outlined by the vascular surgery program directors (APDVS).

The course is supported by a textbook in vascular surgery. The chapters have been written by the course faculty. Participants attending this course will receive the 7th edition of the textbook, *Vascular and Endovascular Surgery: A Comprehensive Review*, edited by Wesley S. Moore, MD.

FACULTY

Course Chair

Wesley S. Moore, MD

Professor and Chief Emeritus
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA

UCLA Faculty

J. Dennis Baker, MD

Professor of Surgery
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA

Brian G. DeRubertis, MD

Assistant Professor of Surgery
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA

Hugh A. Gelabert, MD

Professor of Surgery
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA

Antoinette S. Gomes, MD

Professor of Radiology and Medicine
Department of Radiological Sciences
David Geffen School of Medicine at
UCLA

Juan Carlos Jimenez, MD

Assistant Professor of Surgery
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA

Peter F. Lawrence, MD

Wiley F. Barker Endowed Chair in
Vascular Surgery
Chief, Division of Vascular Surgery
Department of Surgery
David Geffen School of Medicine at
UCLA

Jessica B. O'Connell, MD

Assistant Professor of Surgery
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA

William J. Quiñones-Baldrich, MD

Professor of Surgery
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA

David A. Rigberg, MD

Associate Professor of Surgery
Division of Vascular Surgery
David Geffen School of Medicine at
UCLA
Gonda (Goldschmied) Vascular
Center

Guest Faculty

Samuel S. Ahn, MD

University Vascular Associates
Los Angeles, California
DFW Vascular Group
Dallas, Texas

George Andros, MD

Medical Director
Amputation Prevention Center
Valley Presbyterian Hospital
Van Nuys, California

Jeffrey L. Ballard, MD, FACS

Staff Vascular Surgeon
St. Joseph Hospital
Orange, California

Michael Belkin, MD

Chief of Vascular and Endovascular
Surgery
Brigham and Women's Hospital
Professor of Surgery
Harvard Medical School
Boston, Massachusetts

Ramon Berguer, MD, PhD

Frankel Professor of Vascular Surgery
Cardiovascular Center
The University of Michigan
Ann Arbor, Michigan

Ruth L. Bush, MD, MPH

Associate Professor of Surgery and
Associate Dean for Education Temple
Campus, Texas A & M College of
Medicine Scott & White Hospital
Temple, Texas

Elliot L. Chaikof, MD, PhD

Chairman, Department of Surgery
Surgeon-in-Chief
Beth Israel Deaconess Medical Center
Visiting Professor of Surgery
Harvard Medical School
Boston, Massachusetts

Anthony J. Comerota, MD

Director Jobst Vascular Institute
Toledo, Ohio
Adjunct Professor of Surgery
University of Michigan
Ann Arbor, Michigan

Ralph G. DePalma, MD, FACS

Professor of Surgery
Uniformed University of the Health
Sciences
Special Operations Officer
VA Office of Research and Develop-
ment
Washington DC

Ronald M. Fairman, MD

The Clyde F. Barker - William Maul
Measey Professor of Surgery
Chief, Division of Vascular Surgery
and Endovascular Therapy
Vice-Chairman for Clinical Affairs
Department of Surgery
Hospital of the University of
Pennsylvania
Philadelphia, Pennsylvania

D. Preston Flanigan, MD

Medical Director
St. Joseph Hospital Vascular Institute
Orange, CA

Julie A. Freischlag, MD

The William Stewart Halsted Professor
Director, Department of Surgery
Johns Hopkins Medical Institution
Surgeon-in-Chief
Johns Hopkins Hospital
Baltimore, Maryland

Bruce L. Gewertz, MD

Surgeon-in-Chief
H and S Nichols Endowed Chair in
Surgery
Chair, Department of Surgery
Vice-President for Interventional
Services
Cedars-Sinai Medical Center
Los Angeles, California

David L. Gillespie MD, RVT, FACS

Chief and Program Director,
Division of Vascular Surgery
Professor of Surgery
University of Rochester
School of Medicine and Dentistry
Rochester, NY

Peter Gloviczki, MD

Joe M. and Ruth Roberts Professor
of Surgery,
Division of Vascular and
Endovascular Surgery
Gonda Vascular Center
Mayo Clinic
Rochester, Minnesota

FACULTY *continued*

Jerry Goldstone, MD

Professor of Surgery and Chief Emeritus
Division of Vascular and Endovascular Surgery
University Hospitals Case Medical Center
Case Western Reserve University
School of Medicine
Cleveland, Ohio

Roy K. Greenberg, MD

Director of Endovascular Research
Associate Professor of Vascular Surgery, Cardiothoracic Surgery, and Biomedical Engineering
Cleveland Clinic and Case Western University
Cleveland, Ohio

Howard P. Greisler, MD

Professor of Surgery and Professor of Cell Biology, Neurobiology, and Anatomy
Loyola University Medical Center
Maywood, Illinois
Hines VA Hospital
Hines, Illinois

Kimberley J. Hansen, MD, FACS

Professor of Surgery
Interim Chair, Department of Vascular and Endovascular Surgery
Director of the Vascular Surgery Fellowship Program
Director of the Mentored Clinical Scientist Program in Vascular Medicine
Director of the Clinical Vascular Laboratory
Vascular and Endovascular Surgery
Wake Forest University School of Medicine
Winston-Salem, North Carolina

Douglas Hood, MD

Associate Professor
Southern Illinois University School of Medicine
Springfield, Illinois

Glenn C. Hunter, MD

Professor, Clinical Surgery
University of Arizona
Vascular Surgery Service
SAVAHCS
Tucson, Arizona

Vikram S. Kashyap, MD, FACS

Associate Professor of Surgery and Chief, Division of Vascular Surgery
Co-Director, Harrington-McLaughlin Heart and Vascular Institute
University Hospitals Case Medical Center
Case Western Reserve University
Cleveland, Ohio

Gregory J. Landry, MD

Associate Professor of Surgery
Department of Vascular Surgery
Oregon Health & Science University
Portland, Oregon

Timothy K. Liem, MD

Associate Professor of Surgery
Vice-Chairman, Department of Surgery
Oregon Health & Science University
Portland, Oregon

Michel S. Makaroun, MD

Professor and Chief, Division of Vascular Surgery
University of Pittsburgh School of Medicine
Pittsburgh, Pennsylvania

Joseph L. Mills, Sr., MD

Professor of Surgery
Chief, Vascular and Endovascular Surgery
Co-Director, Southern Arizona Limb Salvage Alliance (SALSA)
University of Arizona
Tucson, Arizona

Charles M. Peterson, MD, MBA

Chief Scientist/TATRC
(Telemedicine and Advanced Technology Research Center/MRMC)
Fort Detrick, Maryland

Seshadri Raju, MD

The Rane Center for Venous and Lymphatic Disease
Flowood, Mississippi

Hazim J. Safi, MD

Professor and Chairman
Department of Cardiothoracic and Vascular Surgery
University of Texas Medical School
Houston, Texas

Peter A. Schneider, MD

Chief, Division of Vascular Therapy
Hawaii Permanente Medical Group
Kaiser Foundation Hospital
Honolulu, Hawaii

Michael B. Silva, Jr. MD, FACS

The Fred J. and Dorothy E. Wolma
Professor of Vascular Surgery and Professor of Radiology
Chief, Division of Vascular Surgery and Endovascular Therapy
Director, Texas Vascular Center
The University of Texas Medical Branch
Galveston, Texas

James C. Stanley, MD

Handleman Professor of Surgery
Director, Cardiovascular Center
University of Michigan Medical Center
Ann Arbor, Michigan

Gale L. Tang, MD, RPVI

Assistant Professor of Surgery
University of Washington
VA Puget Sound Health Care System
Seattle, WA

Frank J. Veith, MD

Professor of Surgery
Cleveland Clinic Lerner College of Medicine of Case Western Reserve University
The William J. von Liebig Chair in Vascular Surgery
The Cleveland Clinic Foundation
Cleveland, Ohio
Professor of Surgery
New York University Medical School

Thomas W. Wakefield, MD

Section Head of Vascular Surgery
S. Martin Lindenauer Professor of Surgery
Section of Vascular Surgery
Department of Surgery
University of Michigan Medical Center
Ann Arbor, Michigan

Samuel Eric Wilson, MD

Professor of Surgery
University of California Irvine, School of Medicine
UC Irvine Medical Center
Orange, California

R. Eugene Zierler, MD

Professor of Surgery, University of Washington School of Medicine
Medical Director, D. E. Strandness Jr. Vascular Laboratory
University of Washington Medical Center and Harborview Medical Center
Seattle, Washington

PROGRAM

29th Annual UCLA Symposium: A Comprehensive Review and Update of What's New in Vascular and Endovascular Surgery Monday, September 12th, 2011

Morning

- 7:00 AM **Registration/Breakfast**
8:00 AM **Welcome and Introduction – Wesley S. Moore, MD**

Moderator: Wesley S. Moore, MD

- 8:15 AM **Anatomy, Physiology, and Pharmacology of the Vessel Wall**
Gale L. Tang, MD, RPVI
- 8:55 AM **Principles of Imaging in Vascular Disease**
Antoinette S. Gomes, MD
- 9:35 AM **Coffee Break**
- 9:55 AM **Hemodynamics for the Vascular Surgeon**
R. Eugene Zierler, MD
- 10:35 AM **The Vascular Diagnostic Laboratory**
J. Dennis Baker, MD
- 11:15 AM **Exposure of Blood Vessels and Related Structures**
Jeffrey L. Ballard, MD, FACS
- 12:00 PM **Lunch Break**

Afternoon

Moderator: Peter F. Lawrence, MD

- 1:30 PM **Vascular Grafts**
Howard P. Greisler, MD
- 2:00 PM **Vasculogenic Erectile Dysfunction**
Ralph G. DePalma, MD, FACS
- 2:30 PM **Primary (Arterial) Vascular Infection: Etiology, Diagnosis, and Management**
Hugh A. Gelabert, MD
- 3:00 PM **Coffee Break**
- 3:20 PM **Vascular Trauma**
David L. Gillespie, MD, RVT, FACS
- 3:50 PM **Endovascular Management of Traumatic Vascular Injuries**
Michael B. Silva, Jr., MD, FACS
- 4:10 PM **Hemodialysis and Angio Access**
Samuel Eric Wilson, MD
- 4:40PM **Panel Discussion**
Moderator: Peter F. Lawrence, MD
Panelists: Drs DePalma, Gelabert, Gillespie, Greisler, Silva, and Wilson
- 5:40 PM **Interactive Case Presentations**
Moderators: Samuel S. Ahn, MD, and Brian G. DeRubertis, MD
- 6:40 PM **Adjourn**

Tuesday, September 13th, 2011

Morning

7:00 AM **Breakfast**

Moderator: Hugh A. Gelabert, MD

7:30 AM **Introduction to Endovascular Surgery: Arterial Access, Guidewires, Sheaths, Angioplasty Catheters, and Stents**
Michael B. Silva, Jr., MD, FACS

8:20 AM **Cerebrovascular Disease I: Surgery of the Carotid Artery**
Wesley S. Moore, MD

9:10 AM **Cerebrovascular Disease II: Surgery of the Aortic Arch Trunks and the Vertebral Basilar System**
Ramon Berguer, MD, PhD

10:00 AM **Coffee Break**

10:20 AM **Vascular Malformations**
Peter Glaviczi, MD

10:50 AM **Angioplasty and Stenting for Cerebrovascular Disease: Technique and Results**
Peter A. Schneider, MD

11:30 AM **Surgical Management of Chronic Venous Obstruction**
Peter Glaviczi, MD

12:00 PM **Lunch Break**

Afternoon **MEDICAL ASPECTS OF VASCULAR DISEASE**

Co-Moderators: Wesley S. Moore, MD, and Anthony J. Comerota, MD

1:30 PM **Atherosclerosis: Pathology, Pathogenesis, and Medical Management**
Ralph G. DePalma, MD, FACS

2:05 PM **Non-Atherosclerotic Vascular Disease**
Gregory J. Landry, MD

2:55 PM **Risk Factor Management: Tobacco, Statins, Beta Blockers and ACE Inhibitors**
Peter F. Lawrence, MD

3:25 PM **Coffee Break**

3:45 PM **Antiplatelet Therapy**
Anthony J. Comerota, MD

4:15 PM **Influence of Diabetes Mellitus and Its Complications on Vascular Disorders**
Charles M. Peterson, MD, MBA

4:55 PM **Panel Discussion – Q&A**
Moderator: Anthony J. Comerota, MD
Panelists: Drs. DePalma, Landry, Lawrence, and Peterson

5:30 PM **Interactive Case Presentation**
Moderators: Samuel S. Ahn, MD, and Brian G. DeRubertis, MD

6:30 PM **Adjourn**

Wednesday, September 14th, 2011

Morning

7:00 AM **Breakfast**

Moderator: David A. Rigberg, MD

7:30 AM **Aneurysms of the Abdominal Aorta and Iliac Arteries**
Jerry Goldstone, MD

8:10 AM **Endovascular Repair of Abdominal Aortic Aneurysm: Comparative Techniques and Results of Currently Available Devices**
Ronald M. Fairman, MD

8:40 AM **Surgical Management of Aortoiliac Occlusive Disease**
Michael Belkin, MD

9:10 AM **Angioplasty and Stenting for Aortoiliac Disease: Technique and Results**
Ruth L. Bush, MD, MPH

9:40 AM **Coffee Break**

10:00 AM **Thoracoabdominal Aortic Aneurysm: Diagnosis, Prognosis, and Surgical Management**
Hazim J. Safi, MD

10:30 AM **The Hybrid Approach to Thoracoabdominal Aortic Aneurysm**
William J. Quiñones-Baldrich, MD

11:00 AM **Endovascular Repair of Thoracic Aneurysm: Currently Available Devices and Results**
Michel S. Makaroun, MD

11:30 PM **Fenestrated and Branched Endograft Repair of Aortic Arch and Thoraco-Abdominal Aortic Aneurysm**
Roy K. Greenberg, MD

12:00 PM **Lunch Break**

Afternoon

Moderator: Juan Carlos Jimenez, MD

1:30 PM **Hematologic Problems in Vascular Surgery: Bleeding and Thrombosis**
Timothy K. Liem, MD

2:00 PM **Venous Thromboembolic Disease**
Thomas W. Wakefield, MD

2:30 PM **Thrombolysis for Arterial and Graft Occlusions: Technique and Results**
Vikram S. Kashyap, MD, FACS

2:50 PM **Thrombolysis for Deep Venous Thrombosis and Pulmonary Embolism: Technique and Results**
Anthony J. Comerota, MD

3:20 PM **Coffee Break**

3:40 PM **Management of the Incompetent Saphenous Vein – Endovenous Ablation and Sclerotherapy**
David A. Rigberg, MD

4:10 PM **Chronic Venous Obstruction – Catheter-based Intervention**
Seshadri Raju, MD

4:40 PM **Endovascular Mechanical Thrombectomy Devices**
Elliott L. Chaikof, MD, PhD

5:20 PM **Interactive Case Presentation**
Moderators: Samuel S. Ahn, MD, and Brian G. DeRubertis, MD

6:30 PM **Adjourn**

Thursday, September 15th, 2011

Morning

- 7:00 AM **Breakfast**
- Moderator: Jessica B. O'Connell, MD**
- 7:30 AM **Renovascular Hypertension**
Kimberly J. Hansen, MD, FACS
- 8:10 AM **Diagnosis and Management of Intestinal Ischemia**
Bruce L. Gewertz, MD
- 8:50 AM **Angioplasty and Stenting for Mesenteric and Renal Artery Disease: Technique and Results**
Douglas Hood, MD
- 9:30 AM **Coffee Break**
- 9:50 AM **Visceral Artery Aneurysms**
James C. Stanley, MD
- 10:30 AM **Aneurysms of the Peripheral Arteries, Including a Comparison of Open and Endovascular Techniques**
D. Preston Flanigan, MD
- 11:10 AM **Non-Infectious Complications in Vascular Surgery**
Glenn C. Hunter, MD
- 12:00 PM **Lunch Break**

Afternoon

- Moderator: William J. Quiñones-Baldrich, MD**
- 1:00 PM **Vascular Graft Infection: Etiology, Diagnosis, Management, and Prevention**
Julie A. Freischlag, MD
- 1:40 PM **Surgical and Endovascular Management of Ruptured Abdominal Aortic Aneurysm**
Frank J. Veith, MD
- 2:20 PM **Management of the Thoracic Outlet Syndrome**
Samuel S. Ahn, MD
- 2:50 PM **Coffee Break**
- 3:10 PM **Infrainguinal Arterial Occlusive Disease: Surgical Management**
Frank J. Veith, MD
- 3:50 PM **Catheter-Based Intervention for Infra-Inguinal Occlusive Disease: Technique and Results**
Joseph L. Mills, Sr., MD
- 4:20 PM **The Diabetic Foot**
George Andros, MD
- 4:50 PM **Wound Healing and Limb Salvage**
Peter F. Lawrence, MD
- 5:30 PM **Course Adjourns**

General Information

Symposium Location:

Renaissance Hollywood Hotel & Spa

1755 North Highland Avenue

Hollywood, California 90028

Phone: 323-491-1200

Fax: 323-491-1045

www.renaissancehollywood.com

Experience an ultra-stylish hotel destined for fame as a premier Los Angeles hotel located in the movie-making capital of the world at the Renaissance Hollywood Hotel & Spa. Boasting a sophisticated design and breathtaking views, this dazzling West Hollywood hotel captures the legendary glamour of the city's illustrious past. Including nearly 65,000 sq ft of event space, as well as a 3,500 sq ft rooftop panorama hotel suite with 270 degree views, this hotel in Hollywood, California even features a rooftop pool. For its efforts to protect the environment by conserving water and energy, the property has earned the prestigious ENERGY STAR® label from the U.S. EPA. As the cornerstone of Hollywood & Highland Center, this Hollywood Hills hotel is located among trendy shops, world-class restaurants, famous landmarks and state-of-the-art entertainment venues.

Accommodations

A block of rooms has been reserved at the Renaissance Hollywood Hotel & Spa at a special seminar rate of \$179 single or double occupancy per night plus 14% city room tax and a 0.20 cents California Hospitality Tax. Please call the Renaissance directly at 323-491-1200 or 800-769-4774 and request the group rate for the UCLA Annual Vascular Surgery Conference.

Refunds

Cancellations must be received in writing by Monday, August 22, 2011 and will be subject to a \$75 processing fee. No refunds will be given after that date. If for any reason the course must be canceled, discontinued, or rescheduled by the Office of Continuing Medical Education, a full refund will be provided.

Transportation to Hotel:

Shuttle bus service is available via Super Shuttle for approximately \$16 per person one way. Reservation is required. Contact them at 800-258-3826 or www.supershuttle.com. Follow signs to Super Shuttle outside the baggage claim area. Taxicabs are also available with an estimated fare of \$50-65 one way.



General Information

Conference Parking:

Hotel parking rate: \$29 valet parking fee per night. Off-site parking rate: \$3 hourly or \$10 per day. Parking rates are subject to change.

Emergency Calls

You may be reached during the conference at 323-491-1200. Ask the hotel operator to direct your call to UCLA Vascular Surgery Registration Desk.

ENROLLMENT

Enrollment Fees

\$995

ONLINE

Go to www.cme.ucla.edu/courses and choose 29th Annual UCLA Symposium: A Comprehensive Review and Update of What's New in Vascular and Endovascular Surgery and click the registration button. You may use your American Express, MasterCard, VISA or Discover card to register online.

By Mail

Use the form attached.

Mail to the UCLA Office of Continuing Medical Education, David Geffen School of Medicine at UCLA, Vascular Surgery Symposium, 10920 Wilshire Blvd., Suite 1060, Los Angeles, CA 90024-6512

By FAX

Send the completed enrollment form with credit card information and authorizing signature. FAX 310-794-2624.

By Phone

Use your MasterCard, VISA, or Discover Card. Call 310-794-2620.

E-mail address: eayala@mednet.ucla.edu

Please visit our website for other UCLA CME offerings: www.cme.ucla.edu

Early registration is recommended, as space is limited.

Accreditation

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

The Office of Continuing Medical Education, David Geffen School of Medicine at UCLA designates this live activity for a maximum of **34.5 AMA PRA Category 1 Credits™**. Physicians should claim only credit commensurate with the extent of their participation in the activity.

Disclosure Statement

The FDA has issued a concept paper which classifies commercial support of scientific and educational programs as promotional unless it can be affirmed that the program is "truly independent" and free of commercial influence. In addition to independence, the FDA requires that non-promotional, commercially supported education be objective, balanced, and scientifically rigorous. The policy further states that all potential conflicts of interest of the CME staff and faculty be fully disclosed to the program's participants. In addition, Accreditation Council for Continuing Medical Education policy now mandates that the provider adequately manages all identified potential conflicts of interest prior to the program. We, at UCLA, fully endorse the letter and spirit of these concepts.

Application for Enrollment – Fall 2011

Course Title & Number M112-2	Amount
29th Annual UCLA Symposium: A Comprehensive Review and Update of What's New in Vascular and Endovascular Surgery	

PLEASE PRINT

Last four digits of your Social Security Number

Name (First/Middle/Last)

Male

Female

Degree

Affiliation

Preferred Mailing Address

City/State/ZIP

Email (please print)

()

Area code Phone

()

Area code Fax

Check enclosed payable to: The Regents of the University of California

Charge: MasterCard Visa Discover

Expiration Mo/Yr

Authorizing Signature

Fax, with credit card number and expiration date, directly to our office at: (310) 794-2624

OR

Mail to:

**Office of Continuing Medical Education
David Geffen School of Medicine at UCLA
10920 Wilshire Blvd., Suite 1060
Los Angeles, CA 90024-6512**

UCLA Office of Continuing Medical Education

David Geffen School of Medicine at UCLA

405 Hilgard Avenue MC29

Los Angeles, CA 90095-6938

NONPROFIT ORG.

U.S. POSTAGE

PAID

UCLA

29th ANNUAL UCLA SYMPOSIUM

**A Comprehensive
Review and Update of
What's New in Vascular and
Endovascular Surgery**

September 12 - September 15, 2011

**Renaissance Hollywood Hotel & Spa
Hollywood, California**

