



David Geffen
School of Medicine

FIRST ANNUAL UCLA/SVS SYMPOSIUM

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

Course Chairs: Wesley S. Moore, MD and Cynthia K. Shortell, MD

Course Co-Chairs: William D. Jordan, Jr., MD
and Juan Carlos Jimenez, MD



August 27-29, 2016

The Beverly Hilton
Beverly Hills, California

Co-sponsored by:



DAVID GEFKEN SCHOOL OF MEDICINE of **UCLA**

FIRST ANNUAL UCLA/SVS SYMPOSIUM: A Comprehensive Review and Update of What's New in Vascular and Endovascular Surgery

This 3 day course represents a joint effort of the Division of Vascular and Endovascular Surgery at UCLA and Society for Vascular Surgery as they have merged their two programs. This program will offer an in-depth review of our specialty for those preparing to take the vascular board examinations as well as providing the basic didactic education for the vascular residents and fellows in training. 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 aspect 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. This year, we will continue to add sections of interactive Q&A following each morning and afternoon session with questions relevant to the topics that have been presented. The questions will be in board format in order to give the participants a preparatory exercise.

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 new 8th edition of the textbook, *Vascular and Endovascular Surgery: A Comprehensive Review*, edited by Wesley S. Moore, MD.

Finally, we are pleased to announce that the Society for Vascular Surgery has honored the program by their willingness to offer co-branding of the program.

Objective

The primary objective of this course is to provide the evidence basis for the clinical practice of vascular disease management.

At the conclusion of this course, participants should be able to affirm or modify their approach to patient management in the following areas:

- Indications, technique, and results of the spectrum of open vascular operations including such common procedures as carotid endarterectomy, repair of abdominal aortic aneurysm, aorto-femoral bypass, and infra-inguinal bypass. Also, management of varicose veins and deep venous occlusive disease.
- Indications, technique, and results of the spectrum of catheter based intervention including endovascular repair of thoracic and abdominal aortic aneurysm, aorto-iliac and femoral-popliteal-tibial occlusive disease, and carotid artery stenting.
- Medical management of vascular disease including treatment of hypertension, risk factor modification, the use of anti-platelet, anti-coagulant, and statin therapy.
- Diagnostic studies including duplex ultrasound, magnetic resonance angiography, CT angiography, and catheter based contrast angiography.

FACULTY

Course Chairs

Wesley S. Moore, MD

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

Cynthia K. Shortell, MD

Professor of Surgery
Chief of Staff, Department of Surgery
Chief, Division of Vascular Surgery
Duke University Medical Center
Durham, North Carolina

Course Co-Chairs

Juan Carlos Jimenez, MD

Associate Professor of Surgery
Division of Vascular and Endovascular Surgery
David Geffen School of Medicine at UCLA

William D. Jordan, Jr., MD

Professor of Surgery and Chief
Division of Vascular Surgery and Endovascular Therapy
Department of Surgery
Emory University School of Medicine
Director, Vascular Surgery Service,
Emory Healthcare
Atlanta, Georgia

UCLA Faculty

Steven Farley, MD

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

Hugh A. Gelabert, MD

Professor of Surgery
Division of Vascular and Endovascular 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

Peter F. Lawrence, MD

Wiley F. Barker Chair in Vascular Surgery
Chief, Division of Vascular and Endovascular Surgery
Director, Gonda Vascular Center
David Geffen School of Medicine at UCLA

Jessica B. O'Connell, MD

Deputy Director, Surgical & Perioperative Careline
Co-Chief Vascular Surgery Service
Greater Los Angeles VA Healthcare System
Associate Clinical Professor of Surgery
Division of Vascular and Endovascular Surgery
David Geffen School of Medicine at UCLA

William J. Quiñones-Baldrich, MD

Professor of Surgery
Division of Vascular and Endovascular Surgery
Director, UCLA Aortic Center
David Geffen School of Medicine at UCLA

David A. Rigberg, MD

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

Guest Faculty

Michael Belkin, MD

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

Ankur Chandra, MD, RPVI

Co-Director, Vascular Diagnostic Laboratory
Division of Vascular and Endovascular Surgery
Scripps Clinic/Scripps Green Hospital
La Jolla, California

Anthony J. Comerota, MD, FACS, FACC

Executive Director of Research,
ProMedica and Jobst Vascular Institute
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Adjunct Professor of Surgery
University of Michigan
Ann Arbor, Michigan

Enrique Criado, MD, FACS

John R. Pfeifer Professor of Vascular Surgery
Department of Surgery
University of Michigan School of Medicine
Ann Arbor, Michigan

Steven Dean, DO, FACP, RPVI

Professor of Internal Medicine
Department of Cardiovascular Medicine
Ohio State University Wexner Medical Center
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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,
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Julie Freischlag, MD

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Dean, UC Davis School of Medicine
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Bruce L. Gewertz, MD

Surgeon-in-Chief
H and S Nichols Distinguished Chair
Vice-President, Interventional Services
Vice-Dean, Academic Affairs
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Los Angeles, California

David L. Gillespie, MD, RVT, FACS

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Southcoast Health System
Fall River, Massachusetts

Peter Glaviczi, MD

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

Jerry Goldstone, MD, FACS, FRCSEd(hon)

Professor of Surgery Emeritus
Case Western Reserve University School of Medicine
Cleveland, Ohio

FACULTY *continued*

Vikram S. Kashyap, MD, FACS

Chief and Program Director, Division of Vascular Surgery and Endovascular Therapy
Director, Vascular Center, Harrington Heart and Vascular Institute
University Hospitals Case Medical Center
Professor of Surgery, Case Western Reserve University
Cleveland, Ohio

Gregory J. Landry, MD

Professor of Surgery
Knight Cardiovascular Institute
Oregon Health & Science University
Portland, Oregon

Timothy K. Liem, MD, MBA

Professor of Surgery
Co-Director for Quality
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Oregon Health & Science University
Portland, Oregon

Alan B. Lumsden, MD

Medical Director
Houston Methodist DeBakey Heart & Vascular Center
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Seshadri Raju, MD, FACS

The Rane Center for Venous and Lymphatic Diseases
Jackson, Mississippi

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Professor and Chairman
Department of Cardiothoracic and Vascular Surgery
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Chief, Division of Vascular Therapy
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James C. Stanley, MD

Handleman Professor of Surgery
University of Michigan
Ann Arbor, Michigan

Frank J. Veith, MD

Professor of Surgery
New York University Medical School
New York, New York
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

Thomas W. Wakefield, MD

Stanley Professor of Surgery
Head, Section Vascular Surgery, Department of Surgery
Director, Samuel and Jean Frankel Cardiovascular Center
University of Michigan Medical Center
Ann Arbor, Michigan

Fred A. Weaver, MD, MMM

Professor and Chief
Division of Vascular Surgery and Endovascular Therapy
Keck School of Medicine
University of Southern California
Los Angeles, 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

FIRST ANNUAL UCLA/SVS SYMPOSIUM: A Comprehensive Review and Update of What's New in Vascular and Endovascular Surgery

Saturday, August 27th, 2016

Morning

- 7:00 AM **Registration/Breakfast**
- 7:30 AM **Welcome and Introduction**
Wesley S. Moore, MD
- Moderator: Wesley S. Moore, MD**
- 7:40 AM **Anatomy, Physiology, and Pharmacology of the Arterial Vessel Wall**
Steven Dean, DO, FACP, RPVI
- 8:15 AM **Principles of Imaging in Vascular Disease**
Antoinette S. Gomes, MD
- 8:55 AM **Hemodynamics for the Vascular Surgeon**
R. Eugene Zierler, MD
- 9:25 AM **Coffee Break/Visit Exhibits**
- 9:55 AM **The Vascular Diagnostic Laboratory**
Ankur Chandra, MD, RPVI
- 10:35 AM **Exposure of Blood Vessels and Related Structures**
Steven Farley, MD
- 11:15 AM **Non-Infectious Complications in Vascular Surgery**
Juan Carlos Jimenez, MD
- 12:00 PM **Q&A**
Moderator: Wesley S. Moore, MD
Panelists: Drs. Chandra, Dean, Farley, Gomes, Jimenez, and Zierler
- 12:15 PM **Lunch Break**

Afternoon

- Moderator: Peter F. Lawrence, MD**
- 1:30 PM **Thrombolysis and Mechanical Thrombectomy for Arterial and Graft Occlusions**
Vikram S. Kashyap, MD, FACS
- 2:00 PM **Primary Aortic and Vascular Graft Infections: Etiology, Diagnosis, Management, and Prevention**
Julie Freischlag, MD
- 2:30 PM **Management of the Thoracic Outlet Syndrome**
Hugh A. Gelabert, MD
- 3:00 PM **Coffee Break/Visit Exhibits**
- 3:30 PM **Hemodialysis and Angio Access**
Richard F. Neville, MD
- 4:00 PM **Introduction to Endovascular Surgery: Arterial Access, Guidewires, Sheaths, Angioplasty Catheters, Stents, and Radiation Safety**
Alan B. Lumsden, MD

4:40 PM	Surgical and Endovascular Management of Vascular Trauma <i>David L. Gillespie, MD, RVT, FACS</i>
5:20 PM	Surgical and Endovascular Management of Renal Vascular Hypertension <i>Benjamin J. Pearce, MD, FACS</i>
6:00 PM	Adjourn

Sunday, August 28th, 2016

Morning

7:00 AM	Breakfast
Moderator: Hugh A. Gelabert, MD	
7:30 AM	Cerebrovascular Disease I: Etiology, Diagnosis, Prognosis, and Surgery of the Carotid Artery <i>Wesley S. Moore, MD</i>
8:30 AM	Cerebrovascular Disease II: Surgery of the Aortic Arch Trunks and the Vertebral Basilar System <i>Enrique Criado, MD</i>
9:15 AM	Stent/Angioplasty for Carotid Artery Disease: Indications, Technique, and Results <i>Peter A. Schneider, MD</i>
9:45 AM	Coffee Break/Visit Exhibits
10:15 AM	Congenital Vascular Malformations – Diagnosis and Management <i>Cynthia K. Shortell, MD</i>
10:55 AM	Surgical Management of Chronic Venous Obstruction <i>Peter Glowiczki, MD</i>
11:25 AM	Catheter Based Intervention for Chronic Venous Obstruction <i>Seshandri Raju, MD</i>
11:55 AM	Q&A <i>Moderator: Peter F. Lawrence, MD</i> <i>Panelists: Drs. Criado, Glowiczki, Moore, Raju, Schnieder, and Shortell</i>
12:15 PM	Lunch Break

Afternoon

Moderator: Cynthia K. Shortell, MD	
1:30 PM	Atherosclerosis: Pathology and Pathogenesis <i>Jessica B. O’Connell, MD</i>
2:00 PM	Non-Atherosclerotic Vascular Disease <i>Gregory J. Landry, MD</i>
2:50 PM	Risk Factor Modification: Tobacco, Statins, Beta Blockers, ACE Inhibitors, and Antiplatelet Agents <i>Anthony J. Comerota, MD, FACS, FACC</i>
3:25 PM	Coffee Break/Visit Exhibits

3:45 PM	Hematologic Problems in Vascular Surgery: Bleeding and Thrombosis <i>Timothy K. Liem, MD</i>
4:15 PM	Venous Thromboembolic Disease and Newer Anticoagulant Drugs <i>Thomas W. Wakefield, MD</i>
4:45 PM	Thrombolysis and Mechanical Thrombectomy for Deep Venous Thrombosis and Pulmonary Embolism: Technique and Results <i>Anthony J. Comerota, MD, FACS, FACC</i>
5:15 PM	Lower Extremity Lymphedema: Diagnosis and Management <i>Steven Dean, DO, FACP, RPVI</i>
5:35 PM	Management of the Incompetent Axial (Great, Saphenous and Small Saphenous) and Perforator Veins <i>David A. Rigberg, MD</i>
6:00 PM	Adjourn

Monday, August 29th, 2016

Morning

7:00 AM	Breakfast
	Moderator: David A. Rigberg, MD
7:30 AM	Endovascular Repair of Thoracic Aneurysms: Currently Available Devices and Results <i>Michel S. Makaroun, MD</i>
8:10 AM	Thoracic and Thoracoabdominal Aortic Aneurysm: Diagnosis, Prognosis, and Surgical Management <i>Hazim J. Safi, MD</i>
8:40 AM	The Hybrid Approach to Thoracoabdominal Aortic Aneurysm <i>William J. Quinones-Baldrich, MD</i>
9:10 AM	Fenestrated and Branched Endograft Repair of Aortic Arch and Thoraco-Abdominal Aortic Aneurysm <i>Gustavo S. Oderich, MD</i>
9:40 AM	Coffee Break/Visit Exhibits
10:00 AM	Aneurysms of the Abdominal Aorta and Iliac Arteries – Etiology, Diagnosis, and Surgical Repair <i>Jerry Goldstone, MD, FACS, FRCSEd(hon)</i>
10:40 AM	Endovascular Repair of Abdominal Aortic Aneurysm: Comparative Techniques and Results of Currently Available Devices <i>Ronald M. Fairman, MD</i>
11:30 AM	Surgical Management of Aorto-Iliac Occlusive Disease <i>Michael Belkin, MD</i>
12:00 PM	Q&A <i>Moderator: David A. Rigberg, MD</i> <i>Panelists: Drs. Belkin, Fairman, Goldstone, Makaroun, Oderich, Quinones-Baldrich, and Safi</i>
12:30 PM	Lunch Break

Afternoon

Moderator: Wesley S. Moore, MD

1:30 PM	Angioplasty and Stenting for Aorto-Iliac Occlusive Disease: Technique and Results <i>William Jordan, MD</i>
2:00 PM	Management of Upper Extremity Arterial Occlusive Disease <i>Peter F. Lawrence, MD</i>
2:30 PM	Diagnosis, Surgical and Endovascular Management of Intestinal Ischemia <i>Bruce L. Gewertz, MD</i>
3:00 PM	Visceral Artery Aneurysms <i>James C. Stanley, MD</i>
3:30 PM	Aneurysms of the Peripheral Arteries, Including a Comparison of Open and Endovascular Techniques for Repair <i>Fred A. Weaver, MD, MMM</i>
4:00 PM	Coffee Break/Visit Exhibits
4:30 PM	Surgical and Endovascular Management of Ruptured Abdominal Aortic Aneurysm <i>Frank J. Veith, MD</i>
5:00 PM	Endovascular Management of Aortic Dissection/Transection <i>William J. Quinones-Baldrich, MD</i>
5:30 PM	Surgical Management of Infra-Inguinal Arterial Occlusive Disease <i>Frank J. Veith, MD</i>
6:00 PM	Catheter Based Intervention for Infra-Inguinal Occlusive Disease: Technique and Results <i>Joseph L. Mills, Sr., MD</i>
6:30 PM	Closing Comments and Course Adjourns <i>Wesley S. Moore, MD and Cynthia K. Shortell, MD</i>

General Information

Symposium Location

The Beverly Hilton

9876 Wilshire Boulevard

Beverly Hills, CA 90210

Phone: 310-274-7777

Fax: 310-285-1313

www.beverlyhilton.com

The Beverly Hilton combines the excitement and entertainment of Hollywood with the prestige of Beverly Hills. Perfectly located at the gateway of the entertainment capital of the world, the Forbes Four-Star Beverly Hilton invites guests to experience the grandeur of this world-famous city. Discover the golden age of Hollywood depicted through photography, memorabilia and modern interior design at this stunning Beverly Hills hotel. Sample signature cocktails and cuisine at the celebrated Lobby Bar or enjoy a combination of Pacific Rim and Indo-Chinese flavors poolside at Trader Vic's Lounge. Relax and refresh in the largest heated hotel swimming pool in Beverly Hills and enjoy a rejuvenating treatment at the Aqua Star Spa. Energize your day in the fully equipped Precor© fitness center.

Accommodations

A block of rooms has been reserved at the Beverly Hilton at a special rate of \$250 single or double occupancy per night plus 15.5% tax and \$0.45 CA tourism Assessment Fee. Please call the hotel directly at 310-274-7777 or 1-800-HILTONS and request the group rate for the UCLA Annual Vascular Surgery Conference. Confirmation of reservations made after **July 27, 2016** is subject to availability.

Conference Parking

Self day and overnight parking is \$17

Valet day parking is \$25

Overnight valet parking is \$40



General Information

ENROLLMENT

Enrollment Fees

\$999

ONLINE

Go to www.cme.ucla.edu/courses and choose FIRST ANNUAL UCLA/SVS 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 American Express, Discover, MasterCard or Visa. 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 **25.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

This activity provides self-assessment credits toward Part 2 of the American Board of Surgery Maintenance of Certification Program.

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.

Refunds

Cancellations must be received in writing by Wednesday, July 27, 2016 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.

Application for Enrollment – Fall 2016

Course Title & Number	M167-1	Amount
FIRST ANNUAL UCLA/SVS 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

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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

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UCLA

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