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

IN COLLABORATION WITH THE SOCIETY FOR VASCULAR SURGERY

Course Chairs: Wesley S. Moore, MD and David A. Rigberg, MD
Course Co-Chairs: Audra A. Duncan, MD, FACS, FRCSC
and Juan Carlos Jimenez, MD, MBA

August 23-26, 2023
The Beverly Hilton
Beverly Hills, California
EIGHTH ANNUAL UCLA/SVS SYMPOSIUM: A Comprehensive Review and Update of What’s New in Vascular and Endovascular Surgery

This 3.5 day course represents a joint effort of the Division of Vascular and Endovascular Surgery at UCLA and Society for Vascular Surgery. 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).

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:

- Describe the 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
- Outline the management of varicose veins and deep venous occlusive disease
- Identify the indications, technique, and results of the spectrum of catheter-based intervention including endovascular repair of thoracic and abdominal aortic aneurysm, aorto-iliac and femoro-popliteal-tibial occlusive disease, and carotid artery stenting
- Manage vascular disease including treatment of hypertension, risk factor modification, the use of anti-platelet, anti-coagulant, and statin therapy
- Interpret diagnostic studies including duplex ultrasound, magnetic resonance angiography, CT angiography, and catheter-based contrast angiography
Course Chairs

Wesley S. Moore, MD  
Professor and Chief Emeritus  
Division of Vascular and Endovascular Surgery  
David Geffen School of Medicine at UCLA

David A. Rigberg, MD  
Professor of Surgery  
Program Director  
Division of Vascular and Endovascular Surgery  
David Geffen School of Medicine at UCLA  
Gonda (Goldschmied) Vascular Center

Course Co-Chairs

Audra A. Duncan, MD, FACS, FRCSC  
Professor of Surgery  
Chair/Chief Division of Vascular and Endovascular Surgery  
University of Western Ontario  
London, Ontario  
Canada

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

David Geffen School of Medicine at UCLA Faculty

Steven Farley, MD  
Assistant Professor, Clinical Surgery  
Gonda Vascular Surgery

Hugh A. Gelabert, MD  
Professor of Surgery  
Division of Vascular and Endovascular Surgery

Jessica B. O’Connell, MD  
Director, Surgical & Perioperative Careline  
Chief of Surgery  
Greater Los Angeles VA Healthcare System  
Professor of Clinical Surgery  
Division of Vascular and Endovascular Surgery

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Emeritus Professor and Chief  
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Juan Carlos Jimenez, MD, MBA, FACS  
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Gonda Vascular Surgery

Johnathan C. Rollo, MD  
Clinical Assistant Professor  
Division of Vascular and Endovascular Surgery

Vincent L. Rowe, MD  
Wiley F. Barker Chair in Vascular Surgery  
Chief, Division of Vascular and Endovascular Surgery  
Director, Gonda Vascular Center

Karen Woo, MD, PhD  
Professor of Clinical Surgery  
Division of Vascular and Endovascular Surgery

Guest Faculty

Megan Brenner, MD, MS, FACS  
Professor of Surgery  
University of California Riverside School of Medicine  
Comparative Effectiveness and Clinical Outcomes Research Center (CECORC)  
Riverside University Health Systems  
Riverside, California

Kellie R. Brown, MD  
Professor, Division of Vascular and Endovascular Surgery  
Vice Chair-Perioperative Services, Department of Surgery  
Program Director, Vascular Surgery  
Division Chief, Zablocki VA Medical Center  
The Medical College of Wisconsin  
Milwaukee, Wisconsin

Ankur Chandra, MD, RPVI  
Medical Director, SoCal VOICE, Southern California VQI region  
Co-Director, Vascular Diagnostic Laboratory  
Division of Vascular and Endovascular Surgery  
Scripps Clinic/Scripps Green Hospital  
La Jolla, California

W. Darrin Clouse, MD  
Edwin P. Lehman Professor and Chief  
Vascular and Endovascular Surgery  
University of Virginia  
Charlottesville, Virginia

Dawn M. Coleman, MD, FACS  
Handlerman Research Professor  
Associate Professor of Surgery and Pediatrics  
Co-Director, Pediatric Renovascular Hypertension Center  
Program Director, Integrated Vascular Surgery Residency and Fellowship  
University of Michigan Department of Surgery  
Section of Vascular Surgery  
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Anthony J. Comerota, MD, FACS, FACC
Medical Director, Eastern Region
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Inova Alexandria Hospital
Alexandria, Virginia

R. Clement Darling, MD
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Albany Medical Center and Professor of Surgery at
Albany Medical College
Albany, NY.

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Division of Cardiovascular Medicine
Ohio State University Wexner Medical Center
Columbus, Ohio

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Chief Executive Officer, Atrium Health Wake Forest
Baptist
Chief Academic Officer, Atrium Health Enterprise
Winston-Salem, North Carolina

Jerry Goldstone, MD, FACS, FRCSEd(hon)
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Palo Alto, California
Professor of Surgery Emeritus
Case Western Reserve University School of Medicine
Cleveland, Ohio

Jeffrey Jim, MD, MPH, FACS
Chair, Vascular & Endovascular Surgery
MH @ Abbott Northwestern Hospital
Minneapolis, Minnesota

Juan Carlos Jimenez, MD, MBA, FACS
Professor of Surgery
Gonda Vascular Surgery

William D. Jordan, Jr., MD
John E. Skandalakis Chair in Surgery
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

Manju Kalra, MBBS
Professor of Surgery
Division of Vascular and Endovascular Surgery
Mayo Clinic and Foundation
Rochester, Minnesota

Vikram S. Kashyap, MD, FACS
Chief, Division of Vascular Surgery and Endovascular Therapy
Alan H. Markowitz MD Endowed Chair in Cardiovascular Surgery
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University Hospitals Cleveland Medical Center
Professor of Surgery, Case Western Reserve University
Cleveland, Ohio

Gregory J. Landry, MD
Medical Director, Vascular Surgery
Kootenai Clinic
Coeur d'Alene, Idaho

John S. Lane, MD
Professor of Vascular Surgery
Program Director, UCSD Vascular Residency and Fellowship
University of California, San Diego
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Professor of Surgery
Chief, Division of Vascular Surgery
Stanford University School of Medicine
Stanford, California

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Medical Director
The Walter W. Fondren III, Distinguished Endowed Chair
Houston Methodist DeBakey Heart & Vascular Center
Professor and Chairman
Department of Cardiovascular Surgery
Houston, Texas
Michel S. Makaroun, MD  
The Marshall W. Webster M.D. Chair in Vascular Surgery  
Professor of Surgery and Clinical Translational Science, University of Pittsburgh  
University of Pittsburgh School of Medicine  
Pittsburgh, Pennsylvania

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Professor of Surgery  
University of Tennessee Health Science Center  
Medical Director  
Vascular & Endovascular Surgery, Regional One Health  
Memphis, Tennessee

Benjamin J. Pearce, MD, FACS  
William D. Jordan, Jr., Professor of Vascular Surgery  
Associate Professor and Program Director  
Division of Vascular Surgery and Endovascular Therapy  
University of Alabama-Birmingham  
Birmingham, Alabama

Lori C. Pounds, MD  
VA Clinic  
San Antonio, TX

Todd E. Rasmussen, MD FACS  
Professor and Vice Chair of Education  
Department of Surgery  
Mayo College of Medicine and Science  
Senior Associate Consultant  
Division of Vascular and Endovascular Surgery  
Mayo Clinic  
Rochester, MN

John Rectenwald, MD, MS  
Madison, WI

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Gonda Vascular Surgery

Caron B. Rockman, MD  
Florence and Joseph Ritorto Professor of Surgical Research  
Vice-Chief, Division of Vascular Surgery  
Program Director, Vascular Surgery  
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New York, New York

Hazim J. Safi, MD  
Medical Director of Aortic Surgery  
HCA Houston Healthcare Medical Center  
Houston Heart  
Houston, Texas

Claudie Sheahan, MD  
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Division of Vascular Surgery  
Louisiana State University Health Sciences Center  
New Orleans, Louisiana

Malachi G. Sheahan, MD  
Claude C. Craighead, Jr. Professor and Chair  
Program Director, Integrated Residency and Fellowship  
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Louisiana State University Health Sciences Center  
New Orleans, Louisiana

Niten Singh, MD  
Professor of Surgery and Associate Chief  
Program Director, Vascular Surgery Residency and Fellowship  
Division of Vascular Surgery  
University of Washington  
Seattle, Washington

James C. Stanley, MD  
Professor Emeritus of Surgery  
University of Michigan  
Ann Arbor, Michigan

Benjamin W. Starnes, MD, DFSVS  
Professor and Chief  
Division of Vascular Surgery  
Vice Chair, Department of Surgery  
University of Washington  
Seattle, Washington

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  
Section Vascular Surgery, Department of Surgery  
Director, Samuel and Jean Frankel Cardiovascular Center  
University of Michigan Medical Center  
Ann Arbor, Michigan
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>6:30 AM</td>
<td>Registration/Breakfast</td>
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<tr>
<td>7:15 AM</td>
<td>Welcome and Introduction</td>
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<tr>
<td></td>
<td>Wesley S. Moore, MD and David A. Rigberg, MD</td>
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<td>Moderator: Wesley S. Moore, MD</td>
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<tr>
<td>7:30 AM</td>
<td>Anatomy, Physiology, and Pharmacology of the Vessel Wall</td>
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<td>Steven Dean, DO, RPVI, FSVM</td>
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<td>8:00 AM</td>
<td>Principles of Imaging in Vascular Disease-CTA, MRA, Contrast</td>
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<td>Angiography, and Fusion</td>
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<td>Alan B. Lumsden, MD</td>
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<td>8:40 AM</td>
<td>The Vascular Diagnostic Laboratory</td>
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<td>Ankur Chandra, MD, RPVI</td>
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<tr>
<td>9:25 AM</td>
<td>Coffee Break/Visit Exhibits</td>
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<tr>
<td>9:55 AM</td>
<td>Exposure of Blood Vessels</td>
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<td>Erica L. Mitchell, MD, MEd SE, FACS, DFSVS</td>
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<td>10:35 AM</td>
<td>Vascular Trauma</td>
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<td>Niten Singh, MD</td>
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<td>11:20 AM</td>
<td>Round Table Discussion, Q&amp;A</td>
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<td>Moderator: Wesley S. Moore, MD</td>
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<td>Panelists: Drs. Chandra, Dean, Lumsden, Mitchell, and Singh</td>
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<td>12:00 PM</td>
<td>Lunch Break</td>
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<td><strong>Afternoon</strong></td>
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<td><strong>Moderator: David A. Rigberg, MD</strong></td>
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<tr>
<td>1:30 PM</td>
<td>Atherosclerosis: Pathology, Pathogenesis, Risk Factor Modification</td>
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<td>Jessica B. O’Connell, MD</td>
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<td>2:20 PM</td>
<td>Non-Atherosclerotic Vascular Disease</td>
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<td>Gregory J. Landry, MD</td>
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<td>3:10 PM</td>
<td>Lymphedema-Evaluation and Management</td>
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<td>Lori Pounds, MD</td>
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<td>3:40 PM</td>
<td>Coffee Break/Visit Exhibits</td>
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<td>4:10 PM</td>
<td>Management of the Thoracic Outlet Syndrome</td>
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<td>Hugh A. Gelabert, MD</td>
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<td>4:40 PM</td>
<td>Management of Upper Extremity Arterial and Venous Occlusive Disease</td>
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<td>Claudie Sheahan, MD</td>
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Thursday, August 24, 2023

**Morning**

6:30 AM  
Breakfast

7:00 AM  
Management of the Incompetent Axial Superficial Veins  
*Moderator: Vincent L. Rowe, MD*  
David A. Rigberg, MD

7:30 AM  
Management of Chronic Venous Obstruction (Open, Endo)  
*Manju Kalra, MBBS*

8:00 AM  
Vascular Malformations: Diagnosis and Management  
*Steven Farley, MD*

8:30 AM  
Primary Arterial and Vascular Graft Infections: Etiology, Diagnosis, Management, and Prevention  
*Audra A. Duncan, MD, FACS, FRCSC*

9:10 AM  
Management of Acute Arterial and Graft Occlusions  
*Johnathon C. Rollo, MD*

9:40 AM  
Coffee Break/Visit Exhibits

10:10 AM  
Management of Non-Infectious Complications in Vascular Surgery  
*Juan Carlos Jimenez, MD, MBA*

10:50 AM  
Evaluation of Patient Risk for Vascular Intervention  
*John S. Lane, MD*

11:20 AM  
Critical Care Management for the Vascular Surgical Patient  
*Megan Brenner, MD*

11:40 AM  
Round Table Discussion, Q&A, Case Examples  
*Moderator: Vincent L. Rowe, MD*  
Panelists: Drs. Brenner, Duncan, Farley, Jimenez, Kalra, Lane, Rigberg, Rollo

12:00 PM  
Lunch Break

**Afternoon**

*Moderator: Audra A. Duncan, MD, FACS, FRCSC*

1:30 PM  
Management of Renal Vascular Hypertension  
*Benjamin J. Pearce, MD, FACS*

2:00 PM  
Management of Acute Venous Thrombo-Embolism-Thrombectomy, Thrombolysis  
*Anthony J. Comerota, MD, FACS, FACC*

2:30 PM  
Vena Cava Filters: Indications, Selection, and Management  
*John Rectenwald, MD*

3:00 PM  
Coffee Break/Visit Exhibits

3:30 PM  
The Role of Leadership Development and Mentorship in Vascular Surgery  
*Julie Ann Freischlag, MD, FACS, FRCS(Edin), DFS/VS*
Morning, August 25, 2023

6:30 AM      Breakfast
Moderator: Juan Carlos Jimenez, MD, MBA

7:00 AM      Cerebrovascular Disease-I-Introduction to Carotid Re-Vascularization for Prevention and Management of Brain Injury
            Wesley S. Moore, MD

7:50 AM      Cerebrovascular Disease-II-Carotid Bifurcation Intervention-CEA Technique and Results
            Caron Rockman, MD

8:20 AM      Cerebrovascular Disease-III-Carotid Bifurcation Intervention-CAS Technique and Results
            Vikram S. Kashyap, MD, FACS

8:50 AM      Cerebrovascular Disease-IV-Management of Aortic Arch Trunk and the Vertebral Artery Occlusive Disease
            William D. Jordan, Jr., MD

9:20 AM      Aneurysms of the Abdominal Aorta—Etiology and Diagnosis
            Jerry Goldstone, MD, FACS, FRCSEd(hon)

9:50 AM      Open Repair of Abdominal Aortic Aneurysm—Technical Considerations
            Kellie R. Brown, MD

10:20 AM     Coffee Break/Visit Exhibits

10:50 AM     Endovascular Repair of Abdominal Aortic Aneurysm- Technique and Comparative Results of Currently Available Devices
            Malachi G. Sheahan, MD

10:20 AM     Spine Exposures and Vascular Surgery Collaborative Support of Other Surgical Specialties
            Todd Rasmussen, MD

11:40 AM     Round Table Discussion, Q&A, Case Examples
            Moderator: Juan Carlos Jimenez, MD, MBA
            Panelists: Drs. Brown, Goldstone, Jordan, Kashyap, Moore, Rasmussen, Rockman, Sheahan

12:10 PM     Lunch Break

Afternoon
Moderator: David A. Rigberg, MD

1:30 PM      Thoracic and Thoraco-Abdominal Aortic Aneurysm: Diagnosis, Prognosis, and Open Surgical Management
            Hazim J. Safi, MD
Endovascular Repair of Thoracic Aortic Aneurysm—Currently Available Devices and Results
Michel S. Makaroun, MD

2:40 PM  
Coffee Break

3:10 PM  
Management of Ruptured Abdominal Aortic Aneurysm
Benjamin W. Starnes, MD, DFSVS

3:40 PM  
Management of Acute and Chronic Thoracic Aortic Dissection
Jason T. Lee, MD

4:10 PM  
Management of Aorto-Iliac Occlusive Disease—Medical, Open, Endo
Jeffrey Jim, MD, MPHS, FACS

4:40 PM  
Round Table Discussion, Q&A
Moderator: David A. Rigberg, MD
Panelists: Drs. Jim, Lee, Makaroun, Safi, Starnes

5:10 PM  
Adjourn

Saturday, August 26, 2023

Morning
6:30 AM  
Breakfast
Moderator: Peter F. Lawrence, MD

7:00 AM  
Hematologic Problems: Bleeding, Clotting, and Anticoagulant Drugs
Thomas W. Wakefield, MD

7:40 AM  
Dialysis Access
Karen Woo, MD, PhD

8:10 AM  
Visceral Artery Aneurysms: Diagnosis, Prognosis, and Management
James C. Stanley, MD

8:40 AM  
Management of Peripheral Arterial Aneurysms
R. Clement Darling, III, MD

9:10 AM  
Background and Introduction to Limb Salvage
Frank J. Veith, MD

9:40 AM  
Coffee Break/Visit Exhibits

10:10 AM  
Infra-Inguinal Arterial Occlusive Disease—Surgical Management
Vincent L. Rowe, MD

10:40 AM  
Infra-Inguinal Arterial Occlusive Disease—Endovascular Management
Brian G. DeRubertis, MD, FACS

11:10 AM  
Introduction to the Vascular Board Examination
Malachi G. Sheahan, MD

11:30 AM  
Round Table Discussion, Q&A
Moderator: Peter F. Lawrence, MD
Panelists: Drs. Darling, DeRubertis, Rowe, Sheahan, Stanley, Wakefield, Woo, Veith

11:50 AM  
Closing Comments and Course Adjourns
Wesley S. Moore, MD and David A. Rigberg, MD

12:00 PM  
Lunch
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. Relax and refresh in the largest heated hotel swimming pool in Beverly Hills. 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 $294 single or double occupancy per night plus 15.71% tax and $0.80 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 24, 2023 is subject to availability.

Conference Parking
Self day and overnight parking is $20
Valet day parking is $35
Overnight valet parking is $65
**General Information**

**ENROLLMENT**

**Enrollment Fees**

$999

**ONLINE**

Go to [https://events.medschool.ucla.edu/event/vascular23](https://events.medschool.ucla.edu/event/vascular23) and click the registration button. You may use your American Express, MasterCard, VISA or Discover card to register online.

*Credit card and check payments via phone, fax, or mail are no longer accepted.

If you have questions, please contact the UCLA Center for Continuing Professional Development at ccpd@mednet.ucla.edu or 310.794.2620.

Please visit our website for other CCPD offerings: [https://events.medschool.ucla.edu/continuing_professional_development](https://events.medschool.ucla.edu/continuing_professional_development)

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**Early registration is recommended, as space is limited.**

**Refunds**

Cancellations must be received by email to ccpd@mednet.ucla.edu by Wednesday, August 1, 2023 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, a full refund will be provided.

**Accreditation**

The 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 David Geffen School of Medicine at UCLA designates this live activity for a maximum of 28.25 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The California State Board of Registered Nursing accepts courses approved for the AMA PRA Category 1 Credits™ as meeting the continuing education requirements for license renewal. Nurses from states other than California should inquire with their local State Board for specific continuing education policies.

**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 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.