VASCULAR LABORATORY 2016
Advanced Topics for Vascular Specialists and Other Healthcare Professionals

April 23-24, 2016
Saturday – Sunday

UC DAVIS
CONFERENCE CENTER
Davis, CA

SPONSORED BY:
UC DAVIS HEALTH SYSTEM
Office of Continuing Medical Education and Department of Vascular Surgery and the Vascular Laboratory
Saturday, April 23, 2016

**VASCULAR LABORATORY OPERATIONS**
Moderator: David L. Dawson, MD, RVT, RPVI

7:45 am Welcome, Introduction, Objectives
David L. Dawson, MD, RVT, RPVI & Edward L. Ronningen, BS, RVT

8:00 Credentialing Vascular Laboratory Personnel
R. Eugene Zierler, MD, RVPI

8:15 Vascular Laboratory Accreditation
Steven Knight, BSc, RVT, RDCS

8:30 Vein Center Accreditation
Nasim Hedayati, MD, RPVI

8:45 Structured Reporting
Edward L. Ronningen, BS, RVT

9:00 Education and Professional Development
Chris Caster, MEd, RVT

9:15 Panel: How to Handle Point of Care US Issues
Drs. Link & Zierler, Steven Knight, BSc, RVT, RDCS & Edward L. Ronningen, BS, RVT

**VENOUS DISEASE**
Moderator: Daniel P. Link, MD

9:30 New Guidelines for Lower Extremity DVT
Richard H. White, MD

9:45 Venous Thoracic Outlet Problems
Julie A. Freischlag, MD

10:00 Pelvic Venous Insufficiency
Mark H. Meissner, MD

10:15 Break, Visit Exhibits

**VENOUS TESTING**
Moderator: Edward L. Ronningen, BS, RVT

10:35 Diagnostic Approach to Chronic Venous Insufficiency
R. Eugene Zierler, MD, RVPI

10:50 Evaluation of Arterial Insufficiency in Patients With Venous Disease
Nasim Hedayati, MD, RPVI

11:05 Unusual Venous Pathologies
Misty D. Humphries, MD, RPVI

11:20 Essential Imaging Protocols in an Accredited Vein Center
Makenzie M. Seckora, BS, RVT

11:35 Chronic Versus Acute DVT
David L. Dawson, MD, RVT, RPVI

11:50 Diagnostic Approaches to Pelvic and Abdominal Venous Disease
Mark H. Meissner, MD

12:05 pm Q&A

12:20 Lunch

**PERIPHERAL ARTERY DISEASE**
Moderator: William C. Pevec, MD, RVT, RPVI

1:10 PAD Overview
William C. Pevec, MD, RVT, RPVI

1:25 Physiologic Testing
Steven Knight, BSc, RVT, RDCS

1:40 Aorta Iliac and Lower Extremity Arterial Duplex
R. Eugene Zierler, MD, RVPI

1:55 Evaluation After Arterial Interventions
Edward L. Ronningen, BS, RVT

2:10 Arterial Trauma
Misty D. Humphries, MD, RPVI

**ANEURYSMS**
Moderator: John G. Carson, MD, RPVI

2:25 AAA: Scope of the Problem
Eugene S. Lee, MD, PhD, RPVI

2:40 Detection and Surveillance With Ultrasound
Kourtney A. Spencer, BS, RVT

2:55 EVAR Follow Up
Kevin E. Lindholm, BS, RVT

3:10 Break, Visit Exhibits

**VISCERAL ARTERY DISEASE**
Moderator: Misty D. Humphries, MD, RPVI

3:30 Overview of Visceral Artery Disease
Nasim Hedayati, MD, RPVI

3:45 Median Arcuate Ligament Compression
Misty D. Humphries, MD, RPVI

4:00 Manifestations of Fibromuscular Dysplasia
John R. Laird, MD

4:15 Follow Up After Grafts and Stents
Kevin E. Lindholm, BS, RVT

4:30 Evaluation of Renal Arteries
Edward L. Ronningen, BS, RVT

4:45 Dissections
Steve Knight, BSc, RVT, RDCS

5:00 Q&A

5:30 Adjourn

Sunday, April 24, 2016

**OPTIONAL WORKSHOPS (additional fee, see registration form)**
(Small groups will start in one workshop and rotate through all four.)

8:00 am 1. Dialysis Access, Pre-operative Planning and Post-operative Follow Up
John G. Carson, MD, RPVI & Kevin E. Lindholm, BS, RVT

2. Back to Basics: Cerebrovascular
William C. Pevec, MD, RVT, RPVI & Kourtney A. Spencer, BS, RVT

3. TOS Evaluation
Misty D. Humphries, MD, RPVI & Makenzie M. Seckora, BS, RVT

4. Chronic Venous Insufficiency
Nasim Hedayati, MD, RPVI & Molly J. Baxter, BS, RVT

11:30 Adjourn

Have a safe journey home!

Schedule Subject to Change
Faculty

COURSE CO-CHAIRS
David L. Dawson, MD, RVT, RPVI
Professor
Division of Vascular and Endovascular Surgery
University of California, Davis Health System

Edward L. Ronningen, BS, RVT
Technical Director
Vascular Lab Supervisor
UC Davis Vascular Laboratory
University of California, Davis Health System

GUEST FACULTY
Chris Caster, MEd, RVT
Associate Professor, Vascular Technology
Oregon Institute of Technology (OIT)

Steven Knight, BSc, RVT, RDCS
Vascular Lab Supervisor
Stanford Health Care

Mark H. Meissner, MD
Professor
Vascular and Endovascular Surgery Clinic
University of Washington Medical Center

R. Eugene Zierler, MD, RPVI
Medical Director
D.E. Strandness Jr. Vascular Laboratory
University of Washington Medical Center

UC DAVIS FACULTY
Molly J. Baxter, BS, RVT
Technical Staff
UC Davis Vascular Lab

John G. Carson, MD, RPVI
Surgeon
UC Davis Vascular Center

Julie A. Freischlag, MD
Vice Chancellor Human Health Sciences
Dean, School of Medicine
UC Davis Health System

Nasim Hedayati, MD, RPVI
Associate Professor
UC Davis Vascular Surgery Clinic

Misty D. Humphries, MD, RPVI
Associate Physician Diplomat
UC Davis Vascular Center

John R. Laird, MD
Professor of Medicine
Medical Director
UC Davis Vascular Center

Eugene S. Lee, MD, PhD, RPVI
Associate Professor
Endovascular and Vascular Surgery

Kevin E. Lindholm, BS, RVT
Vascular Technologist
UC Davis Vascular Lab

Daniel P. Link, MD
Professor and Chief, Interventional and Vascular Radiology
Department of Radiology
UC Davis Vascular Center

William C. Pevec, MD, RVT, RPVI
Professor and Chief, Division of Vascular Surgery
Vascular and Endovascular Care

Makenzie M. Seckora, BS, RVT
Vascular Technologist
UC Davis Vascular Lab

Kourtney A. Spencer, BS, RVT
Vascular Technologist
UC Davis Vascular Lab

Richard H. White, MD
Chief of General Medicine
Internal Medicine

CONFERENCE COORDINATOR
Andrea S. Young, CMP
CME Specialist
Office of Continuing Medical Education
UC Davis Health System

ACCREDITATION
The University of California, Davis Health System is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CREDIT DESIGNATION
Physician Credit: The University of California, Davis Health System designates this live activity for a maximum of 11.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AMA PRA Category 1 Credits™ acceptable for interprofessional/other healthcare providers
Nurse: For the purpose of recertification, the American Nurses Credentialing Center accepts credit issued by organizations accredited by the ACCME. For the purpose of re-licensure, the California Board of Registered Nursing accepts AMA PRA Category 1 Credits™ (report 11.75 hours of credit and fill in “CME Category 1” for the provider number).

Physician Assistant: The National Commission on Certification of Physician Assistants (NCCPA) states that AMA PRA Category 1 Credits™ are acceptable for continuing medical education requirements for recertification.

Sonographer/Vascular Technologist: AMA PRA Category 1 Credits™ meets the requirements of the Accepted Continuing Education Evaluation Model System (ACEEMS) Checklist of the American Registry for Diagnostic Medical Sonography (ARDMS). This service is not affiliated with or endorsed by ARDMS.

TARGET AUDIENCE
This activity is designed for physicians, nurses, nurse practitioners, physician assistants and Vascular Technologists.

EDUCATIONAL NEED
This activity is designed to change or improve physician and technologist performance in areas of non-invasive testing as identified in the needs assessments regarding the diagnosis, treatment and management of patients and patient care. This is an excellent regional opportunity to earn CMEs for the maintenance of individual vascular certifications as well as an opportunity to develop professional relationships and learn more about what is going on around you within the vascular field. Course participants will receive updated information delivered in a format that meets the needs of the busy professional. Topics to be presented include a focus on Cerebrovascular issues, Vascular Technology, Peripheral Venous Diagnostics & Protocol, Visceral Vascular Interventions and Standards of Practice for Vascular Technicians. Participants will have numerous opportunities for direct interaction with expert faculty. This conference has consistently received excellent reviews from prior participants.

This year’s conference will provide practitioners with evidence-based methods and strategies to assist them in providing better treatment options for their patients. Faculty presenting and interacting with participants at this activity have been selected on the basis of their comprehensive clinical experience and academic excellence.
CONFERENCE REGISTRATION
Registration Fees For Saturday Only – 8.25 AMA PRA Category 1 Credits™
Early Discount: $340 for physicians and $245 for all others if registered by March 31, 2016.
Standard Rate: $400 for physicians and $295 for all others after March 31, 2016.
Onsite: $425 for physicians and $345 for all others
Sunday Optional Workshop Enrollment – Up to an additional 3.5 AMA PRA Category 1 Credits™
Enroll early, space is limited. Specific workshops will be assigned on the day of the conference. Optional workshop cost: $75 which will increase on site to $95.
Confirmation of registration will be sent within two weeks after receipt of registration form.
Tuition includes continental breakfasts, refreshment breaks, electronic syllabus, and an online certificate of attendance. Tuition may be paid by check, American Express, Discover, MasterCard or VISA. Cash is not accepted. Conference materials cannot be guaranteed unless registration is received by April 18, 2016. The Office of Continuing Medical Education reserves the right to cancel this conference. In such a case, a full refund will be given.
Registration forms received without payment will not be processed until payment is received, and payment must follow within 10 days. Early discount rates are honored if payment is received by the date noted on the registration form. After that date, the late fee is applied.
On-site Fees: At door registrations will be charged at a higher rate. Please see registration form for details.
Cancellation and Refund Policy: A refund of tuition, less $75 administrative fee, will be allowed if requested in writing by March 31, 2016. No refunds will be provided after this date.

EDUCATIONAL METHODS
Lectures with Q and A will be used to facilitate the dissemination of up to date information.
Case studies and discussion will highlight conditions commonly seen in clinical practice.
Interactive workshops are included to facilitate a more in-depth understanding of clinical issues.
Panel discussion will be used to provide an opportunity for experts to present differing viewpoints on various topics or issues.

EDUCATIONAL OBJECTIVES
At the end of the activity, participants should be able to:
• Demonstrate an improved understanding of evaluation standards and exam techniques for complicated exams such as pre-operative dialysis access mapping, dialysis access evaluation, aorta-iliac interrogation, and renal artery evaluation
• Demonstrate a stronger understanding of vascular physics and instrumentation as presented by leaders in the educational field
• Identify changes in the industry that pertain to testing standards, diagnostic criteria, and vascular lab accreditation
• Apply new tools and professional resources to improve patient care at a personal level or within each individual’s work environment

EDUCATIONAL OBJECTIVES
At the end of the activity, participants should be able to:

• Nationally recognized vascular laboratory faculty from the fields of vascular ultrasound, vascular surgery, radiology and ultrasound education
• Updates on best practices and reporting guidelines for noninvasive vascular testing
• Program focus on educational needs of vascular specialists, as well as others using vascular ultrasound or noninvasive testing methods
• Core topics will be available for a wide spectrum of healthcare professionals involved with the performance or interpretation of vascular ultrasound testing
• Offers up to 11.75 hours of AMA PRA Category 1 Credits™

UC DAVIS VASCULAR CENTER
The UC Davis Vascular Center is a national leader in addressing vascular disease, including peripheral artery disease, cerebrovascular disease and diabetes associated vascular issues. The center’s board-certified surgeons, clinicians and researchers offer comprehensive care using a team approach that emphasizes prevention, early diagnosis and minimally invasive treatments. Through state-of-the-art technology and a strong focus on continuity of care, patients receive the best in both technical support and follow-up treatment. Collaborations between the center’s experts and UC Davis stem cell investigators are leading to new cellular therapies that generate new arteries and restore blood flow in diseased legs and arms, reducing the need for amputations. For more information, visit www.ucdmc.ucdavis.edu/vascular.
The UC Davis Conference Center is adjacent to the Alumni Center and across the quad from the Robert Mondavi Center for the Arts. Layered clothing is recommended as the meeting room temperature may be uncomfortable for some, depending on personal preferences.

If you have any special needs due to a disability as specified in the Americans with Disabilities Act, please call the Office of Continuing Medical Education at (916) 734-5390 so we may make the necessary accommodations for you.

HOTEL ACCOMMODATIONS

Hyatt Place UC Davis
173 Old Davis Road Extension
Davis, CA 95616
(530) 756-9500
http://ucdavis.place.hyatt.com

The Hyatt Place UC Davis is the closest hotel to the campus. We do not have a room block. You may call the hotel directly if you require overnight accommodations.

AIR TRAVEL TO SACRAMENTO (SMF)
The Office of Continuing Medical Education has arranged group rates with the airline listed below. Please read and follow the directions carefully to obtain these special rates for your travel to our conference.

United Airlines Group Discount
To obtain Groups and Meetings discount prices go to http://www.united.com and enter Offer Code: ZVM67884+2.

GROUND TRANSPORTATION

Hertz Car Rental: To obtain discount prices go to http://www.hertz.com and enter Convention Number 04H70007 for discounted rates.

National Car Rental: 1 (800) CAR-RENT and request ID #5282865 for discounted rates.

FOR FURTHER INFORMATION

UC Davis Health System
Office of Continuing Medical Education
4610 X Street, Suite 2301
Sacramento, CA 95817
1 (866) CME4EDU (263-4338)
(916) 734-5390 Phone
(916) 734-0742 Fax
http://cme.ucdavis.edu

DRIVING TO UC DAVIS CONFERENCE CENTER
Take I-80 East toward Sacramento. Exit the UC Davis exit #71 (just after the HWY 113 interchange). Turn left at the stop sign onto Old Davis Road. Continue straight past the information booth. Turn right onto Hilgard Lane (immediately after the Mondavi Food and Wine Institute buildings) and park in either the structure or the parking lot. The Conference Center is east of the Vanderhoef Quad from the Mondavi Performing Arts Center at the corner of Old Davis Road and Alumni Lane, and the Alumni Center is on the North side of the Quad.

From I-80 East (Sacramento): Take I-80 West toward San Francisco. Exit the UC Davis exit #71 (after the Richards Blvd. exit). Turn right at the stop sign onto Old Davis Road. Continue straight past the information booth. Turn right onto Hilgard Lane (immediately after the Mondavi Food and Wine Institute buildings) and park in either the structure or the parking lot. The Conference Center is east of Vanderhoef Quad from the Mondavi Performing Arts Center at the corner of Old Davis Road and Alumni Lane, and the Alumni Center is on the North side of the Quad.

PARKING
Park in the South Entry Parking Structure, Lot VP 1 or Lot VP 2. Parking is $9.

BROCHURE ART CREDIT
First Name: ____________________________ M.I. ____________________________ Last Name: ____________________________

☐ MD  ☐ DO  ☐ PhD  ☐ PharmD  ☐ RPh  ☐ PA  ☐ NP  ☐ RN  ☐ RVT  ☐ Other  Lic. #: ____________________________

Institution/Employer (as you would like it to appear on your badge) ____________________________

Profession/Occupation ____________________________

Address (or where you would like your receipt mailed.) ____________________________

City: ____________________________ State: ____________________________ Zip Code: ____________________________

Day Phone: ____________________________ Fax Number: ____________________________

Email for link to electronic syllabus. UC Davis CME will not use your email for any purpose other than corresponding with you.

Physician information: Please indicate your primary medical specialty:

☐ CD  ☐ VS  ☐ VM  ☐ GS  ☐ R  ☐ DR  ☐ FP  ☐ GP  ☐ IM  ☐ Other (specify) ____________________________

Please copy the mail code from the address side of the brochure (above your name, e.g., PPVLAB, SPVLAB, OCVLAB, BRVLAB) ____________________________

Social Security Number (last 4 digits required for transcript purposes) ____________________________

If you did not receive a brochure in the mail, how did you hear about this conference? (Example: PT&MG, UCD website, web search, magazine, friend)? ____________________________

Have you attended this conference in the past? ☐ Yes  ☐ No ____________________________

REGISTRATION FEES (Receipt/Confirmation will be mailed within two weeks)

8.25 AMA PRA Category 1 Credits™

Physician

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Other Health-care Professional

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SUNDAY WORKSHOP 3.5 AMA PRA Category 1 Credits™

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ELECTRONIC SYLLABUS

The electronic syllabus will be available to pre-registered attendees online prior to the meeting for downloading and printing. A USB flash drive will be distributed at the conference.

WORKSHOP REGISTRATION

Workshops will be assigned on site.

If you need disability accommodations at the meeting, please let us know by 4/18/16 and our representative will contact you.

Please note special dietary/food allergy requirements ____________________________

Please check your payment method. Mailed registration forms without check, credit card information or a purchase order number will not be processed until payment is received.

☐ Check enclosed payable to: UC Regents  ☐ AMEX  ☐ Discover  ☐ MasterCard  ☐ VISA

For your protection, do not fax or email your registration form with credit card information. Please mail your registration or contact our Registrar at (916) 734-5390 for assistance if you would like to use a credit card.

Account Number: ____________________________ Expiration Date: ____________________________

Authorized Signature (name on card) ____________________________

Please use ONE of these methods to register: (Do not mail if previously registered by telephone)

Mail this registration form and payment to:
Office of Continuing Medical Education
c/o UC Davis Cashier's Office
PO Box 989062
West Sacramento, CA 95798-9062

Telephone: (916) 734-5390/Toll Free: 866-CME4EDU
Fax: (916) 734-0742

REGISTER ONLINE AT:
http://bit.ly/1OmQ6zc