

THE GLOBAL EDUCATION COURSE FOR
VASCULAR MEDICINE AND INTERVENTION



ANNUAL CONFERENCE

VASCULAR INTERVENTIONAL ADVANCES

SEPTEMBER 18-22, 2016
WYNN LAS VEGAS



**GLOBAL
LIVE CASES**



**MULTISPECIALTY
EDUCATION**



**FELLOWS
PROGRAM**



**VIRTUAL
PARTICIPATION**

A Not-For-Profit Organization Dedicated To Vascular Education And Research

VIVA IS THE PREMIER GLOBAL, MULTIDISCIPLINARY, STATE-OF-THE-ART COURSE FOR VASCULAR INTERVENTION AND MEDICINE.

For the past 14 years, VIVA has delivered excellence in professional education by offering attendees an innovative, provocative, and balanced educational experience. Enhanced by the opinions of all specialties and stakeholders who touch the vascular patient and through the use of cutting edge educational technology, VIVA provides a lively, in-depth interactive learning environment.

Each year, our world-renowned domestic and international faculty challenge attendees and each other by critically evaluating new, evolving therapies and innovations as well as engaging in stimulating discussion on the year’s most challenging live cases. VIVA participants learn from one another in an environment that truly supports camaraderie. VIVA does not shy away from the tough issues, and with our colleagues from regulatory and reimbursement organizations, VIVA exposes obstacles and opportunities to improve the care of vascular patients.

With multiple learning venues and formats, intense and focused education, the latest in advanced technology, new hands-on workshops, more global live cases, and the latest clinical data presentations, VIVA 16 is a must-see educational event for the dedicated vascular specialist!

HIGHLIGHTS

LATE-BREAKING CLINICAL TRIALS

FACE-OFF

THE ROUNDTABLE

GLOBAL LIVE CASE DEMONSTRATIONS

STRATEGIES ON THE FRONTLINE

IMPORTANT DATES

Registration Pricing

Prime Until August 15
Standard After August 16

Face-Off Competition

U.S. Fellows, physicians-in-training
and international physicians deadline
to register July 29
U.S. Fellows, physicians-in-training
scholarship submission deadline August 1
Face-Off Submissions Due August 1

Last Day to Book Hotel (if rooms still available)... August 25

On-Site Registration Opens September 17

Accreditation Certificates Available September 22

WATCH THE RECAP VIDEO!

Learn more about
the VIVA experience!

SCAN QR CODE TO VIEW

HANDS-ON! WORKSHOPS

FELLOWS PROGRAM

NURSES + TECHS

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TARGET AUDIENCE

VIVA will be of value to physicians who specialize in, among other areas, interventional cardiology, interventional radiology, vascular medicine, vascular surgery, cardiothoracic surgery, neurosurgery, podiatry and neuroradiology, as well as fellows, and allied health professionals (including nurses, vascular clinic staff, endovascular operating room staff, catheterization laboratory and angiography suite staff, nurse practitioners, vascular technologists, and physicians assistants).



AT THE CONCLUSION OF THE COURSE,
THE TARGETED LEARNERS SHOULD BE ABLE TO:

- Understand the current indications, risks, complications, and short and long-term results of various medical, interventional, and surgical therapies for the treatment of peripheral artery disease
- Utilize new and advanced medical, endovascular, and surgical techniques and approaches to improve the care and outcomes of patients.
- Implement high quality guidelines-based programs to overcome barriers to the identification and ideal care of all patients with non-cardiac vascular conditions.
- Gain and then disseminate the most current knowledge base regarding vascular care as learned from experts in the field, exposure to live cases, and data from late-breaking clinical trials.
- Increase knowledge in critical decision-making and the comprehensive spectrum of care for patients with stroke and intracranial and extracranial carotid artery disease.
- Compare and best utilize the various endovascular technologies, open surgical techniques, and hybrid approaches, including risks and complications, for the treatment of patients with aortic diseases.
- Enhance the understanding of venous physiology, anatomy, diseases, and management options across a variety of venous anatomies and pathologic conditions.
- Understand state-of-the-art diagnosis and treatment strategies that are consistent with findings in newly reported clinical trials.

CME ACCREDITATION

This program has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for CME (ACCME) through joint providership with the University at Buffalo School of Medicine and Biomedical Sciences and VIVA Physicians. The University at Buffalo is accredited by the ACCME to sponsor CME for physicians. The UB School of Medicine & Biomedical Sciences designates this live activity for a maximum of **32.75 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Distribution of credits is as follows:

SUNDAY:	Aortic Armageddon: 8.25 / CLI: 8.25
MONDAY:	General Session: 7 / The Roundtable: 4 / Nurses + Techs: 3.5
TUESDAY:	General Session: 7 / The Roundtable: 3.25 / Nurses + Techs: 3.5
WEDNESDAY:	General Session: 7 / The Roundtable: 3.25 / Nurses + Techs: 3.5
THURSDAY:	General Session: 3.5

CE ACCREDITATION

TARGET AUDIENCE

Nurses + Techs: Life on the Frontline will be of value to cardiovascular nurses, physician assistants, nurse practitioners, vascular techs, nurse/techs in cath labs, angio suites, and endovascular operating rooms.

AT THE CONCLUSION OF EACH DAY'S COURSE, THE TARGETED LEARNERS SHOULD BE ABLE TO:

- MONDAY:**
- Describe methods to reduce contrast induced renal insufficiency.
 - Assess strategies to reduce waste and improve efficiency in the angiography suite.
 - Describe guidelines for vascular access complications and list components for vascular access management.
 - Identify predictors for hypertension and list different treatments of intraprocedural hypertension.
 - List risk factors related to stroke and describe an effective neurological evaluation.
 - Describe methods for radiation safety.
 - Identify medications used in thrombolysis.
- TUESDAY:**
- List ways to decrease renal dysfunction when imaging.
 - Describe ways to optimize limb salvage.
 - Describe when to use tibiopedal access.
 - Identify elements of a successful IVC filter program and describe FDA recommendations for IVC filter removal.
 - List new anticoagulant medications and describe how they are used during and after an endovascular intervention.
 - Differentiate between thermal and non-thermal venous technology and list advantages and disadvantages for both.
 - Describe techniques and devices used for percutaneous EVAR.
- WEDNESDAY:**
- Describe ways to prep and use drug-coated balloons.
 - Identify different devices used to treat acute limb ischemia.
 - List different stent grafts used to treat long lesions and describe how to optimize sizing.
 - Describe the current role for atherectomy devices.
 - Identify different IVC filters.
 - Describe ways to remove an IVC filter in difficult cases.
 - Describe the use of chronic total occlusion devices and its benefits.
 - Describe techniques for treating DVT successfully.

CE ACCREDITATION *Continued...*

Nurses: This program has been approved by the American Association of Critical-Care Nurses (AACN) for a total of 10.5 Contact Hours Synergy CERP Category A. In order to receive credits, you must attend the entire session as outlined below, and complete the corresponding evaluations. CE credits are divided as follows:

- MONDAY:** 1:30 – 5:30 pm / 3.5 Contact Hours Synergy CERP Category A / File Number 00019658
- TUESDAY:** 1:30 – 5:30 pm / 3.5 Contact Hours Synergy CERP Category A / File Number 00019659
- WEDNESDAY:** 1:30 – 5:30 pm / 3.5 Contact Hours Synergy CERP Category A / File Number 00019660

The American Association of Critical-Care Nurses is approved by the California Board of Registered Nursing, Provider Number 01036.

Technologists: This program has been approved by the American Society of Radiologic Technologists (ASRT) for 12.75 Category A credits. In order to receive credits, you must attend the entire session as outlined below:

- MONDAY:** 1:30 – 5:30 pm / 4.25 Category A credits
- TUESDAY:** 1:30 – 5:30 pm / 4.25 Category A credits
- WEDNESDAY:** 1:30 – 5:30 pm / 4.25 Category A credits

The ASRT requires attendance to be documented. If you intend to claim credit from ASRT, please scan in and out of each session.



Please note that partial credit will not be awarded and you must attend each session in full Monday (1:30 - 5:30 pm) and/or Tuesday (1:30 - 5:30 pm) and/or Wednesday (1:30 - 5:30 pm) to claim credit.

VIVA Steering Committee

- GARY M. ANSEL, MD**
Interventional Cardiology
OhioHealth Riverside Methodist Hospital / McConnell Heart Hospital
Columbus, Ohio

JOSHUA A. BECKMAN, MD
Vascular Medicine
Vanderbilt University Medical Center
Nashville, Tennessee

MICHAEL D. DAKE, MD
Interventional Radiology
Stanford University Medical Center
Stanford, California

TONY S. DAS, MD
Interventional Cardiology
Walnut Hill Medical Center
Dallas, Texas
- MICHAEL R. JAFF, DO**
Vascular Medicine
Massachusetts General Hospital
Boston, Massachusetts

JOHN A. KAUFMAN, MD
Interventional Radiology
Dotter Interventional Institute
Portland, Oregon

SEAN P. LYDEN, MD
Vascular Surgery
Cleveland Clinic
Cleveland, Ohio

MANISH MEHTA, MD
Vascular Surgery
Vascular Health Partners
Glens Falls, New York

D. CHRISTOPHER METZGER, MD
Interventional Cardiology
Wellmont CVA Heart Institute
Kingsport, Tennessee
- KRISHNA ROCHA-SINGH, MD**
Interventional Cardiology
Prairie Heart Institute
Springfield, Illinois

KENNETH ROSENFELD, MD
Interventional Cardiology
Massachusetts General Hospital
Boston, Massachusetts

JOHN H. RUNDBACK, MD
Interventional Radiology
Interventional Institute,
Holy Name Medical Center
Teaneck, New Jersey

PETER A. SCHNEIDER, MD
Vascular Surgery
Hawaii Permanente Medical Group
Honolulu, Hawaii

- GEORGE L. ADAMS, MD**
Interventional Cardiology
Rex Hospital
Garner, North Carolina

HIROSHI ANDO, MD
Interventional Cardiology
Kasukabe Chuo General Hospital
Kasukabe, Japan

FRANK R. ARKO III, MD
Vascular Surgery
Sanger Heart and Vascular Institute
Charlotte, North Carolina

EHRIN ARMSTRONG, MD
Interventional Cardiology
Denver VA Medical Center
Denver, Colorado

HERB ARONOW, MD
Interventional Cardiology
Lifespan Cardiovascular Institute
Providence, Rhode Island

JOHN E. ARUNY, MD
Interventional Radiology
Yale New Haven Hospital
New Haven, Connecticut

CHRISTOPHER ATTINGER, MD
Plastic Surgery
Medstar Georgetown University Hospital
Washington, District Of Columbia
- ALI AZIZZADEH, MD**
Vascular Surgery
Memorial Hermann Heart and Vascular Institute
Houston, Texas

AMANDA BAILEY, MSN, CNP RN-BC
OhioHealth Heart and Vascular Physicians
Columbus, Ohio

MARK C. BATES, MD
Interventional Cardiology
West Virginia University School of Medicine
Charleston, West Virginia

IRIS BAUMGARTNER, MD
Vascular Medicine
Clinical & Interventional Angiology,
Swiss Cardiovascular Center
Bern, Switzerland

DESMOND BELL, DPM, CWS
Podiatric Medicine and Wound Care/Limb Preservation
First Coast Cardiovascular Institute
Jacksonville, Florida

JAMES BENENATI, MD
Interventional Radiology
Miami Cardiac & Vascular Institute
Miami, Florida

ROBERT BERSIN, MD
Interventional Cardiology
Swedish Heart and Vascular
Seattle, Washington
- MARC P. BONACA, MD**
Vascular Medicine
Brigham and Women's Hospital
Boston, Massachusetts

CHARLES BOTTI JR., MD
Interventional Cardiology
OhioHealth Riverside Methodist Hospital
Columbus, Ohio

MARIANNE BRODMANN, MD
Vascular Medicine
Medical University Graz
Graz, Austria

THOMAS BROTT, MD
Neurology
Mayo Clinic
Jacksonville, Florida

MARK BURKET, MD
Interventional Cardiology
University of Toledo Medical Center
Toledo, Ohio

JEFF CARR, MD
Interventional Cardiology
Tyler Cardiac and Endovascular Center
Tyler, Texas

KENNETH J. CAVANAUGH JR., PhD
Science/Engineering
US Food and Drug Administration
Silver Spring, Maryland



TO CLAIM CME/CE CREDIT:
Beginning on Thursday, September 22, 2016, attendees can log on to www.vivaphysicians.org/cme16 to claim educational credits.

DISCLAIMERS

- CME INFORMATION CONFIDENTIALITY**
Because live-case demonstrations will be presented, you are reminded that any patient information you may receive as a part of this CME program is considered confidential. Confidential patient information includes all information that could be used to identify the individual patient. By participating in this CME program, you agree to maintain the confidentiality of all patient information and not release that information to any third party.
- FACULTY DISCLOSURES**
University of Buffalo at SUNY, in accordance with ACCME Accreditation requirements, requires faculty to disclose any financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services discussed during this educational activity and with any commercial supporters of the activity.
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The information provided at this meeting is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a physician relative to diagnostic and treatment options of a specific patient's medical condition.
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VIVA Faculty may discuss information about pharmaceutical agents and/or devices and/or procedures that are outside of U.S. Food and Drug Administration approved labeling. This information is intended solely for continuing medical education and is not intended to promote off-label use of these medications, devices and procedures. If you have questions, contact the medical affairs department of the manufacturer for the most recent prescribing information.
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NEAL S. CAYNE, MD
Vascular Surgery
NYU Langone Medical Center
New York, New York

RABIH CHAER, MD
Vascular Surgery
University of Pittsburgh Medical Center
Pittsburgh, Pennsylvania

DANIEL CLAIR, MD
Vascular Surgery
Palmetto Health
Columbia, South Carolina

JOHN COPPOLA, MD
Interventional Cardiology
Bellevue Hospital
New York, New York

WILLIAM J. ENNIS, DO
Vascular Surgery
University of Illinois Hospital
Chicago, Illinois

FABRIZIO FANELLI, MD
Interventional Radiology
Sapienza University of Rome
Rome, Italy

ALIK FARBER, MD
Vascular Surgery
Boston Medical Center
Boston, Massachusetts

MARK A. FARBER, MD
Vascular Surgery
University of North Carolina
Chapel Hill, North Carolina

AARON M. FISCHMAN, MD
Interventional Radiology
Mount Sinai Hospital
New York, New York

LAWRENCE A. GARCIA, MD
Interventional Cardiology
St. Elizabeth's Medical Center
Boston, Massachusetts

MARK J. GARCIA, MD
Interventional Radiology
Christiana Care Health Services
Newark, Delaware

JAY GIRI, MD
Interventional Cardiology
Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

SAMUEL Z. GOLDBABER, MD
Vascular Medicine
Brigham and Women's Hospital
Boston, Massachusetts

BRUCE GRAY, DO
Vascular Medicine
Greenville Hospital System
Greenville, South Carolina

WILLIAM A. GRAY, MD
Interventional Cardiology
Lankenau Heart Institute
Wynnewood, Pennsylvania

LANFROI GRAZIANI, MD
Interventional Cardiology
Istituto Clinico Città di Brescia Hospital
Brescia, Italy

MICHAEL GUIRY, PA-C, MBA
North Shore LIJ Health System
New York, New York

WEI GUO, MD, PhD
Vascular Surgery
301 General Hospital
Beijing, China

GAIL HADLEY, RN, RVT
Massachusetts General Hospital
Boston, Massachusetts

KEISUKE HIRANO, MD
Interventional Cardiology
Saiseikai Yokohama City Eastern Hospital
Yokohama-City, Kanagawa, Japan

NICK HOPKINS, MD
Neurosurgery
UB Neurosurgery, Inc.
Buffalo, New York

OSAMU IIDA, MD
Interventional Cardiology
Kansai Rosai Hospital
Amagasaki, Japan

DONALD L. JACOBS, MD
Vascular Surgery
Saint Louis University Hospital
Saint Louis, Missouri

LOUIS JACQUES, MD
Family Medicine
Georgetown University
Washington, District of Columbia

BARRY T. KATZEN, MD
Interventional Radiology
Miami Cardiac & Vascular Institute
Miami, Florida

DAIZO KAWASAKI, MD
Interventional Cardiology
Morinomiya Hospital
Osaka, Japan

STEPHEN KEE, MD
Interventional Radiology
UCLA Medical Center
Los Angeles, California

RAGHU KOLLURI, MD
Vascular Medicine
OhioHealth Riverside Methodist Hospital
Columbus, Ohio

ZVONIMIR KRAJECER, MD
Interventional Cardiology
Texas Heart Institute
Houston, Texas

ARTHUR C. LEE, MD
Interventional Cardiology
The Cardiac & Vascular Institute
Gainesville, Florida

JASON T. LEE, MD
Vascular Surgery
Stanford University Medical Center
Stanford, California

ARMANDO LOBATO, MD, PhD
Vascular Surgery
São Paulo Vascular & Endovascular
Surgery Institute
São Paulo, Brazil

JOSEPH V. LOMBARDI, MD
Vascular Surgery
Cooper University Health Care
Camden, New Jersey

LARS LONN, MD, PhD
Interventional Radiology
National Hospital and University of Copenhagen
Copenhagen East, Denmark

ROBERT LOOKSTEIN, MD
Interventional Radiology
Mount Sinai Medical Center
New York, New York

CHAIM LOTAN, MD
Interventional Cardiology
Hadassah-Hebrew University Medical Center
Jerusalem, Israel

ALAN B. LUMSDEN, MD
Vascular Surgery
Houston Methodist
Houston, Texas

ALAN MATSUMOTO, MD
Interventional Radiology
University of Virginia Health System
Charlottesville, Virginia

JON S. MATSUMURA, MD
Vascular Surgery
University of Wisconsin
Madison, Wisconsin

JAMES, F. MCKINSEY, MD
Vascular Surgery
Mt. Sinai Ichan School of Medicine
New York, New York

MATTHEW MENARD, MD
Vascular Surgery
Brigham and Women's Hospital
Boston, Massachusetts

ANTONIO MICARI, MD, PhD
Interventional Cardiology
Maria Cecilia Hospital
Cotignola, Ravenna, Italy

GREGG MILLER, MD
Internal Medicine
Fresenius Vascular Care
Brooklyn, New York

JOSEPH L. MILLS, MD
Vascular Surgery
Baylor St. Lukes Medical Center
Houston, Texas

SANJAY MISRA, MD
Interventional Radiology
Mayo Clinic
Rochester, Minnesota

MIGUEL MONTERO-BAKER, MD
Vascular Surgery
Pima Vascular
Tucson, Arizona

ROBERT MORGAN, MD
Interventional Radiology
St. George's NHS Trust
London, England

JIHAD MUSTAPHA, MD
Interventional Cardiology
Metro Health Hospital
Wyoming, Michigan

GUSTAVO ODERICH, MD
Vascular Surgery
Mayo Clinic
Rochester, Minnesota

ABDULLAH OMARI, MD, PhD
Vascular Medicine
St. Vincent's Hospital
Sydney, New South Wales, Australia

JEAN M. PANNETON, MD
Vascular Surgery
EVMS Division of Vascular Surgery
Norfolk, Virginia

SAHIL A. PARIKH, MD
Interventional Cardiology
University Hospitals Case Medical Center
Cleveland, Ohio

AMAN B. PATEL, MD
Neurosurgery
Massachusetts General Hospital
Boston, Massachusetts

MANESH PATEL, MD
Interventional Cardiology
Duke University Medical Center
Durham, North Carolina

CONSTANTINO PEÑA, MD
Interventional Radiology
Baptist Cardiac & Vascular Institute
Miami, Florida

RICHARD POWELL, MD
Vascular Surgery
Dartmouth Hitchcock Medical Center
Lebanon, New Hampshire

ANITA PUTHUPARAMPIL-SUCHDEVE, BSN, RN
Vascular Health Partners
Glen Falls, New York

SAUM A. RAHIMI, MD
Vascular Surgery
Robert Wood Johnson University Hospital
New Brunswick, New Jersey

DHEERAJ RAJAN, MD
Interventional Radiology
University Health Network
Toronto, Ontario, Canada

SESHADRI RAJU, MD
Vascular Surgery
The Rane Center
Jackson, Mississippi

MATTHEW RECHT, MD
Vascular Surgery
TriHealth Heart Institute
Cincinnati, Ohio

KATHLEEN RICH, RN, PhD, CCNS
Indiana University Health La Porte Hospital
La Porte, Indiana

THOM ROOKE, MD
Vascular Medicine
Mayo Clinic
Rochester, Minnesota

MARIE E. ROSSI, RN, BS, CVN
Vascular Group PLLC
Albany, New York

GARY ROUBIN, MD, PhD
Interventional Cardiology
Brookwood Medical Center
Birmingham, Alabama

SAHER SABRI, MD
Interventional Radiology
University of Virginia
Charlottesville, Virginia

LUIS A. SANCHEZ, MD
Vascular Surgery
Barnes-Jewish Hospital
St. Louis, Missouri

ROBERT SCHAINFELD, DO
Vascular Medicine
Massachusetts General Hospital
Waltham, Massachusetts

DIERK SCHEINERT, MD
Vascular Medicine
University Hospital Leipzig
Leipzig, Germany

DARREN SCHNEIDER, MD
Vascular Surgery
NewYork-Presbyterian, Weill Cornell
Medical Center
New York, New York

MEHDI SHISHEHBOR, DO, PhD
Interventional Cardiology
Cleveland Clinic
Cleveland, Ohio

MITCHELL SILVER, DO
Interventional Cardiology
OhioHealth Riverside Methodist Hospital
Columbus, Ohio

NITEN SINGH, MD
Vascular Surgery
Harborview Medical Center
Seattle, Washington

AKHILESH SISTA, MD
Interventional Radiology
New York University
New York, New York

YOSHIMITSU SOGA, MD, PhD
Interventional Cardiology
Kokura Memorial Hospital
Kitakyushu, Fukuoka, Japan

GIOVANNI TORSELLO, MD
Vascular Surgery
Franziskus Hospital
Muenster, Germany

MELISSA A. TROYAN, MSN, CNP, RN-BC
OhioHealth Heart & Vascular
Columbus, Ohio

RAMON L. VARCOE, MBBS, PhD
Vascular Surgery
Prince of Wales Hospital
Randwick, Australia

SURESH VEDANTHAM, MD
Interventional Radiology
Mallinckrodt Institute of Radiology
St. Louis, Missouri

LAURIE VENTURA, RN, BSN
Ochsner Health System
New Orleans, Louisiana

JEFFREY Y. WANG, MD
Vascular Surgery
Horizon Vascular Specialists
Rockville, Maryland

IDO WEINBERG, MD
Vascular Medicine
Massachusetts General Hospital
Boston, Massachusetts

MARTIN WERNER, MD
Vascular Medicine
Hanusch Hospital
Vienna, Austria

CHRISTOPHER J. WHITE, MD
Interventional Cardiology
Ochsner Medical Center
New Orleans, Louisiana

BRET N. WIECHMANN, MD
Interventional Radiology
Vascular & Interventional Physicians
Gainesville, Florida

EDWARD WOO, MD
Vascular Surgery
MedStar Washington Hospital Center/
Georgetown University Hospital
Washington, District Of Columbia

HIROYOSHI YOKOI, MD
Interventional Cardiology
Cardiovascular Medicine Center,
Fukuoka Sanno Hospital
Fukuoka, Japan

THOMAS ZELLER, MD
Interventional Angiology
Universitaets-Herzzentrum Freiburg-Bad
Krozingen
Bad Krozingen, Baden-Wuerttemberg,
Germany

SATURDAY
09.17.16

THE VEINS



EVENING

The VEINS Reception
(See page 32)

SUNDAY
09.18.16

THE VEINS



VIVA FOCUS

CLI
(See page 11-12)

Aortic Armageddon
(See page 13-14)

EVENING

Fellows & Physicians-in-training
Reception (See page 30)

MONDAY
09.19.16

GENERAL SESSION

Vascular Career Advancement
Award (See page 34)
Late-Breaking Clinical Trials
(See page 15)

CONCURRENT SESSIONS

THE ROUNDTABLE
(See page 22-23)

STRATEGIES
on the Frontline (See page 27)

HANDS-ON! WORKSHOP
(See page 28)

FACE-OFF
(See page 30)

NURSES + TECHS
(See page 25)

VASCULAR ULTRASOUND
FOR THE INTERVENTIONALIST
(See page 26)

TUESDAY
09.20.16

GENERAL SESSION

ATLAS Award (See page 33)
LIVE Award (See page 33)
Late-Breaking Clinical Trials
(See page 17)

CONCURRENT SESSIONS

THE ROUNDTABLE
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STRATEGIES
on the Frontline (See page 27)

HANDS-ON! WORKSHOP
(See page 29)

FACE-OFF
(See page 30)

NURSES + TECHS
(See page 25)

EVENING

Welcome Reception
(See page 18)

WEDNESDAY
09.21.16

GENERAL SESSION

Late-Breaking Clinical Trials
(See page 19)

CONCURRENT SESSIONS

THE ROUNDTABLE
(See page 24)

STRATEGIES
on the Frontline (See page 27)

HANDS-ON! WORKSHOP
(See page 29)

FACE-OFF
(See page 30)

NURSES + TECHS
(See page 26)

THURSDAY
09.22.16

GENERAL SESSION

FACE-OFF
Winner's Circle!
(See page 21)

VIVA 16 Concludes
(See page 21)

SAVE THE DATE
VIVA 2017
SEPTEMBER 11-15, 2017
WYNN, LAS VEGAS



CLI: CRITICAL LIMB ISCHEMIA

CLI is a growing public health problem and an increasingly important part of vascular practices. This session provides a detailed and contemporary overview of all facets of CLI, including diagnostic testing, therapeutic alternatives, advanced endovascular techniques, emerging strategies, and new data. With an engaged audience every year, the CLI focus session features international multispecialty experts providing scientific presentations, case reviews, and comprehensive panel discussions, with an opportunity for close interaction between attendees and the VIVA faculty experts.

7:30 – 7:35 AM

COURSE INTRODUCTION AND WELCOME

Joshua A. Beckman, MD; John H. Rundback, MD

7:35 – 8:50 AM

ADDRESSING CORE QUESTIONS IN CRITICAL LIMB ISCHEMIA

Moderator: Joshua A. Beckman, MD

- Why do Vascular Wounds Occur and What is the Basic Algorithm for Caring for Them? Are Any Particular Local Therapies Better Than Others? What is the Role for Hyperbaric Oxygen? **William J. Ennis, DO**
- How Can We Identify Patients Before Amputation is Imminent? Steps and Programs for Identifying and Treating Patients Earlier to Enhance Limb Preservation **Lawrence A. Garcia, MD**
- What Are the Necessary Skill Sets to Treat CLI Patients and Who Should be Providing This Care? Can Any Single Specialty Provide All Components of Care? If Not, What Models of Collaboration Exist and How Can We Encourage Physicians to Refer Patients for Levels of Care They May Not Be Able to Provide Themselves? **Joseph L. Mills, MD**
- Imaging the CLI Patient – Duplex, Cross-Sectional Imaging, Perfusion Tests or Straight to Angiography? Can we Create a Standardized Approach? **Michael R. Jaff, DO**
- What is Salvageable and What Definitely Needs Amputation? Can We Extend the Limits for Revascularization and Foot Salvage Surgery? **Darren Schneider, MD**

- What are the “Must-Do” and Emerging Medical Therapies Before, During, and After Surgical or Endovascular Therapy, With a Focus First-Line and Subsequent Regimens for Patients With Recurrent Thrombosis or Failure due to Intimal Hyperplasia? **Joshua A. Beckman, MD**
- A Deep Dive Into Pedal Arterial Anatomy – A Step Towards Better Understanding Revascularization Targets **Lanfroï Graziani, MD**
- Roundtable Discussion: What Individual and Programmatic Efforts Best Help our CLI Patients...TAKE HOME LESSONS for the Physician Looking to Both Grow Your Practice and Provide Better CLI Care **Moderator:** Joshua A. Beckman, MD
Panel: William J. Ennis, DO; Lawrence A. Garcia, MD; Lanfroï Graziani, MD; Michael R. Jaff, DO; Joseph L. Mills, MD; Darren Schneider, MD

8:50 – 10:15 AM

PUSHING THE BOUNDARIES

Moderator: John H. Rundback, MD

- Managing the Patient With Both Arterial and Venous Disease...What Treatments, What Order, What Expectations? **Raghu Kolluri, MD**
- Surgical Options for Revascularization When Endovascular Therapy Fails: Is There a Role and What is the Decision Making Process? **Rabih Chaer, MD**
- Human Tissue Engineered Arterial Grafts – How do They Compare to Autologous Vein and do They Extend Surgical Options for CLI Patients? **Matthew Menard, MD**
- Deep Venous Arterialization: Early Trial Data and Can Venous Oxygenation be Enhanced to Support Healing of Ischemic Pedal Wounds? **Daniel Clair, MD**
- Redefining Successful Revascularization Using Current and Novel Measures of Perfusion **Mehdi Shishehbor, DO, PhD**
- Ischemic Wound Trajectories: What Are They and How Can They Be Used Clinically? **Joseph L. Mills, MD**
- Isolated Below-the-Ankle Interventions Can Salvage Major Amputation! **Osamu Iida, MD**
- Evolving Paradigms in Trials of Regenerative Therapies for CLI **Krishna Rocha-Singh, MD**
- Roundtable Discussion and Q&A **Moderator:** John H. Rundback, MD
Panel: Rabih Chaer, MD; Osamu Iida, MD; Matthew Menard, MD; Joseph L. Mills, MD; Krishna Rocha-Singh, MD; Mehdi Shishehbor, DO, PhD

10:15 – 10:35 AM REFRESHMENT BREAK AND EXHIBITS

10:35 – 11:38 AM

CONTROVERSIES IN CLI

Moderator: Tony Das, MD

- Surgical Bypass Should be Considered First, Unless... **Matthew Menard, MD**
- Endovascular Therapy Should Always Be Attempted Before Bypass Due to Improving Results in CLI Patients **Iris Baumgartner, MD**
- Stage Interventions Treating Ilio-Femoro-Popliteal Disease as Initial Therapy and Only Intervening on Tibial Occlusions if Wounds or Pain Persists **Tony Das, MD**

- Treat as Much as you can at the Initial Sitting: The Case for Multivessel Tibial Intervention **Mehdi Shishehbor, DO, PhD**
- The Pedal Loop Should be Addressed in EVERY Patient With a Foot Wound **John H. Rundback, MD**
- Revascularization Using the Angiosome Concept is Clearly Better **Osamu Iida, MD**
- Angiosomes, per se, are Extremely Limited due to Common Arterial Variations, Collateral Contributions to Wounds From all Tibial Vessels, and the Effects of Microcirculatory Disturbances **Peter A. Schneider, MD**

11:38 AM – 12:00 PM

VIVA FELLOWS CASE FACE-OFF AND Q&A

Moderator: Tony Das, MD

Panel: Mark C. Bates, MD; Iris Baumgartner, MD; Matthew Menard, MD; John H. Rundback, MD; Peter A. Schneider, MD

12:00 – 12:50 PM LUNCH AND EXHIBITS

12:50 – 1:50 PM

INTERVENTIONAL TOOLS AND STRATEGIES:

IS WHAT WE DO DATA DRIVEN OR EXPERIENTIAL AND WHAT IS ON THE HORIZON TO IMPROVE OUR EVIDENCE?

Moderator: Peter A. Schneider, MD

- Popliteal and Below Knee Atherectomy – Which Tool In Which Circumstance and When Not to Bother **James, F. McKinsey, MD**
- Optimizing Outcomes with Tibial Atherectomy – What Experience and Data Have Taught us **Lawrence A. Garcia, MD**
- DCB's Below the Knee in the Era of Mixed Results, why In.PACT Deep Failed and Understanding this in the Context of Other Trials and What to Expect Next **Krishna Rocha-Singh, MD**
- Drug Eluting Stents for the CLI Population, Which Platforms to Use, When and How, and Updated Results From the DESTINY 2, PREVENT, and PES BTK-70 Trials **Osamu Iida, MD**
- Bioabsorbable Scaffolds – Experience From Absorb BVS and Other Insights as to Whether this will be Enduring Therapy for CLI **Ramon L. Varcoe, MBBS, PhD**
- Case-Based Review **Moderator:** Peter A. Schneider, MD
Panel: Lawrence A. Garcia, MD; Osamu Iida, MD; James F. McKinsey, MD; Ramon L. Varcoe, MBBS, PhD; Thomas Zeller, MD

1:50 – 3:05 PM

CLI STRATEGIES

Moderator: Gary Ansel, MD

- Wires and Other Devices to Stay Intraluminal, Including the “Buckle Wire” Technique, and Why This is Advantageous **Bruce Gray, DO**
- Unconventional “Go Around” Techniques From Collaterals to Re-entry Devices **Gary Ansel, MD**

- Real-time Perfusion Assessment and Angiographic Surrogates Such as “Wound-Blush” or “2D-Perfusion” to Determine the Endpoints of Therapy **Miguel Montero-Baker, MD**
- Subintimal Recanalization Techniques - When to go Subintimal During a Case, and Hydrodynamic Boost and Other Tips for Successful Reentry **Hiroyoshi Yokoi, MD**
- Pedal Loop and Metatarsal Interventions **Lanfroï Graziani, MD**
- Perfecting Pedal and Peroneal Access – Which Access Tools and How to Use Ultrasound and Roadmapping to Make this Easier **Bret N. Wiechmann, MD**
- Will the BEST-CLI Trial, SPINACH Registry and Other Prospective Data Sets Resolve Many of the Remaining Questions About How to Best Treat CLI Patients? **Alik Farber, MD**
- Case Reviews and Q&A **Moderator:** Gary Ansel, MD
Panel: Alik Farber, MD; Bruce Gray, DO; Lanfroï Graziani, MD; Miguel Montero-Baker, MD; Bret N. Wiechmann, MD; Hiroyoshi Yokoi, MD

3:05 – 3:20 PM REFRESHMENT BREAK AND EXHIBITS

3:20 – 4:33 PM

CLI CHALLENGES

Moderator: Tony Das, MD

- Achieving Results with Dense Calcium **Donald L. Jacobs, MD**
- Saving the Day with Uncrossable Lesions and Apparent Angiographic Dead-Ends **Bret N. Wiechmann, MD**
- The Easy and Not-So-Easy Pedal Access **Jihad Mustapha, MD**
- Rendezvous Techniques and Tools **Tony Das, MD**
- Managing Spasm, Recoil Embolization, Ruptures, and No Reflow **Robert Morgan, MD**
- Methods for Endovascular Success in Non-Reconstructable Disease, Including no Distal Targets, Occluded Pedal Outflow, and Poor or Limited Access Sites **Hiroyoshi Yokoi, MD**
- Case Reviews and Q&A **Moderator:** Tony Das, MD
Panel: Donald L. Jacobs, MD; Robert Morgan, MD; Jihad Mustapha, MD; Bret N. Wiechmann, MD; Hiroyoshi Yokoi, MD

4:33 – 5:09 PM

EXTREME CLI:

THE BEST (AND HARDEST) CASES OF THE YEAR

Moderator: Michael Dake, MD

- Extreme Case #1 **John H. Rundback, MD**
- Extreme Case #2 **Miguel Montero-Baker, MD**
- Extreme Case #3 **Bruce Gray, DO**
- Extreme Case #4 **Saher Sabri, MD**



AORTIC ARMAGEDDON

Aortic Armageddon returns by popular demand and offers an unparalleled opportunity to immerse yourself in a full day of intimate and interactive discussion with experts highlighting the ins and outs of aortic essentials from the arch to the iliac bifurcation. Complex case reviews, complication management, and faculty panel discussions will cover a wide variety of topics and will provide in-depth discussions that are sure to prepare you for the Aortic Armageddon.

7:30 – 7:35 AM

COURSE INTRODUCTION AND WELCOME

Sean Lyden, MD; Manish Mehta, MD

7:35 – 10:15 AM

EVOLVING STRATEGIES IN MANAGING COMPLEX ABDOMINAL AORTIC PATHOLOGY

Moderator: Gary Ansel, MD

- Aortic Neck Morphology: What Matters the Most When Choosing EVAR Devices? **Luis A. Sanchez, MD**
- When is Endovascular Approach a Reasonable Option in Connective Tissue Disorder Patients? **Rabih Chaer, MD**
- Does the Endovascular Approach Have a Role in Managing Patients With Aortic Infection? If so, When and How? **Saum A. Rahimi, MD**
- Aortic Stent Grafts for Occlusive Disease: What Works and What Doesn't? **James F. McKinsey, MD**
- Percutaneous Large Sheath Closure: Pitfalls to Avoid and Bailouts as Needed **Gary Ansel, MD**
- Decision Tree When Choosing Brachial, Axillary, or Carotid Access for Complex EVAR and TEVAR **Joseph V. Lombardi, MD**
- Robotics for Complex Aortic and Visceral Interventions: What Have We Learned? **Matthew Recht, MD**

- Ask the Panel
Panel: Rabih Chaer, MD; Joseph V. Lombardi, MD; James F. McKinsey, MD; Saum A. Rahimi, MD; Matthew Recht, MD; Luis A. Sanchez, MD
- Vast Majority of EVAR Aortic Neck Failures can be Managed by Redo-EVAR: This Is How I Do It **Neal S. Cayne, MD**
- Vast Majority of EVAR Aortic Neck Failures Will Need Open Surgical Conversion: This Is How I Do It **Daniel Clair, MD**
- Parallel Stent Graft Sizing, Configuration, and Approach: What Have We Learned? **Jason T. Lee, MD**
- Retrograde Branch Stent Graft for Reconstruction of Visceral Arteries **Wei Guo, MD, PhD**
- Most Complex Ruptured Aortic Aneurysms can be Treated by EVAR: Simple Strategies That get Patients off the Table Alive **Manish Mehta, MD**
- Complex Open Aortic Surgery in Community Hospitals: Should it Continue? **Sean Lyden, MD**
- Complex Aortic Centers Can Be Established in Community Hospital Settings: This Is How I Do It **Manish Mehta, MD**
- Ask the Panel
Moderator: Sean Lyden, MD
Panel: Neal S. Cayne, MD; Daniel Clair, MD; Wei Guo, MD, PhD; Jason T. Lee, MD; Manish Mehta, MD

10:15 – 10:35 AM REFRESHMENT BREAK AND EXHIBITS

10:35 AM – 12:00 PM

AORTIC ROUNDTABLE: A DEEP DIVE INTO THE FOXHOLE

A Case-Based Discussion That Will Focus on Complex Aortic Procedures, Complications, and Bailouts

Moderator: Manish Mehta, MD

Participants: Frank R. Arko III, MD; Neal S. Cayne, MD; Michael Dake, MD; Mark A. Farber, MD; Gustavo Oderich, MD; Darren Schneider, MD

12:00 – 1:00 PM LUNCH AND EXHIBITS

1:00 – 1:50 PM

COMPLEX THORACIC AORTIC PATHOLOGY – WHAT WORKS AND WHAT DOESN'T?

Moderator: Michael Dake, MD

- Identifying the Best Landing Zone for Arch Aneurysms: What is the Evidence Telling us? **Michael Dake, MD**
- Hybrid TEVAR for Arch Aneurysms and Dissections: This Is How It Should Be Done **Ali Azizzadeh, MD**
- Total Endovascular TEVAR for Arch Aneurysms and Dissections: This Is How It Should Be Done **Wei Guo, MD, PhD**

- Which Patients Benefit From EndoAnchors During Thoracic Aortic Intervention? **Jean M. Panneton, MD**
- Ask the Panel
Panel: Ali Azizzadeh, MD; Wei Guo, MD, PhD; Jean M. Panneton, MD

1:50 – 2:45 PM

EVOLVING TRENDS IN TEVAR – ARE WE MAKING HEADWAY?

Moderator: John Kaufman, MD

- Uncomplicated Type B Dissection Patients That Benefit From TEVAR: Can We Identify Winners? **Alan B. Lumsden, MD**
- False Lumen Perfusion Following TEVAR: When to Intervene and How? **Lars Lonn, MD, PhD**
- When is TEVAR the Best Choice for Intramural Hematoma? **John Kaufman, MD**
- CSF Drainage During Complex TEVAR and EVAR: What is the Data Telling Us and Can We Identify Who Benefits Most? **Jon S. Matsumura, MD**
- Stroke During TEVAR: Have We Made Any Progress? **Mark A. Farber, MD**
- Ask the Panel
Panel: Mark A. Farber, MD; Lars Lonn, MD, PhD; Alan B. Lumsden, MD; Jon S. Matsumura, MD

2:45 – 3:05 PM

VIVA FELLOWS CASE FACE-OFF AND Q&A

Moderator: John Kaufman, MD

Panel: Mark A. Farber, MD; Lars Lonn, MD, PhD; Alan B. Lumsden, MD; Jon S. Matsumura, MD

3:05 – 3:20 PM REFRESHMENT BREAK AND EXHIBITS

3:20 – 4:30 PM

AORTIC INNOVATIONS, LESSONS LEARNED FROM DEVICES ON THE HORIZON

Moderator: Sean Lyden, MD

- Valiant Mona LSA **Frank R. Arko III, MD**
- Gore TAG Thoracic Branch Endoprosthesis **Michael Dake, MD**
- Bolton Thoracic Branch Stent Graft **Edward Woo, MD**
- Cook Zenith Thoracic Branch TEVAR Stent Graft **Ali Azizzadeh, MD**
- Ask the Panel
Panel: Frank R. Arko III, MD; Ali Azizzadeh, MD; Michael Dake, MD; Edward Woo, MD

- Cook Zenith Fenestrated and Branch EVAR Stent Graft **Gustavo Oderich, MD**
- Gore Conformable Excluder Endoprosthesis **Neal S. Cayne, MD**
- Ovation Prime Endograft System **Sean Lyden, MD**
- Nellix Endograft System **Manish Mehta, MD**
- Aorfix Endograft System **Luis A. Sanchez, MD**
- Treovance Stent Graft **Manish Mehta, MD**
- Branched Iliac Stent Grafts **Darren Schneider, MD**
- Ask the Panel
Panel: Neal S. Cayne, MD; Manish Mehta, MD; Gustavo Oderich, MD; Luis A. Sanchez, MD; Darren Schneider, MD

4:30 – 5:30 PM

ENDOLEAK TREATMENT STRATEGIES THAT WORK BEST

Moderator: Manish Mehta, MD

- Type 2 Endoleaks Diagnosis and Intervention, Imaging and Techniques That Matter Most **Saum A. Rahimi, MD**
- Which Type 1 Endoleak Patients are Best Managed Without Intervention? **Alan B. Lumsden, MD**
- Which Type 1 Endoleak Patients are Best Managed by Embolization and EndoAnchors? **Jean M. Panneton, MD**
- Which Type 1 Endoleak Patients are Best Managed by Chimneys and Stent Graft Extensions? **Jason T. Lee, MD**
- Type 1 Endoleak Patients are Best Managed with Fenestrated Stent Grafts **Gustavo Oderich, MD**
- Gutter Endoleaks: What can be Done to Minimize Them and How Are They Best Treated? **Michael Dake, MD**
- Ask the Panel
Panel: Michael Dake, MD; Jason T. Lee, MD; Alan B. Lumsden, MD; Gustavo Oderich, MD; Jean M. Panneton, MD; Saum A. Rahimi, MD



WELCOME TO VIVA 16

8:00 - 8:15 am John Kaufman, MD

HOT TOPICS

8:15 - 8:23 am Pulmonary Embolism: The Time has Come to Finally Figure This out for our Patients
Samuel Z. Goldhaber, MD

8:23 - 8:31 am The 2016 SFA Treatment Paradigm Gary Ansel, MD

LATE-BREAKING CLINICAL TRIALS

Moderators: Michael R. Jaff, DO; Peter A. Schneider, MD
Panel: Donna Buckley, MD; Tony Das, MD; John Kaufman, MD; Krishna Rocha-Singh, MD
Hear it first, here at VIVA! Highly anticipated presentations, comprised of late-breaking clinical trials, follow-up data from major randomized trials, registries, and first-in-man experiences with novel devices or drugs, all discussed by a multispecialty group of panelists.

9:30 - 10:00 am REFRESHMENT BREAK

10:00 - 10:08 am To B or Not to B: A Case for Early TEVAR Daniel Clair, MD

10:08 - 10:16 am Non-RF Based Technologies for HTN Control: Trending Now Krishna Rocha-Singh, MD

10:16 - 10:24 am Acute Stroke Intervention Now Nick Hopkins, MD

10:24 am - 12:00 pm LIVE CASE DEMONSTRATIONS: Wellmont CVA Heart Institute and Miami Cardiac and Vascular Institute

Moderator: John Kaufman, MD
Panel: Jeff Carr, MD; Mark A. Farber, MD; Robert Morgan, MD; Robert Schainfeld, DO; Mitchell Silver, DO; Hiroyoshi Yokoi, MD

12:00 - 1:20 pm LUNCH / SATELLITE SYMPOSIA

1:20 - 2:30 pm LIVE CASE DEMONSTRATIONS: Wellmont CVA Heart Institute

Moderator: Manish Mehta, MD
Panel: Frank R. Arko III, MD; Samuel Z. Goldhaber, MD; Lanfroi Graziani, MD; Robert Lookstein, MD; Alan B. Lumsden, MD; Thomas Zeller, MD

TECHNIQUES

2:30 - 2:38 pm Access Challenges for Tibial and Pedal Interventions Jihad Mustapha, MD

2:38 - 2:46 pm Chronic DVT Interventions That Work Mark J. Garcia, MD

2:46 - 2:53 pm Unconventional Femoral Popliteal CTO Recanalization Dierk Scheinert, MD

VASCULAR CAREER ADVANCEMENT AWARD PRESENTATION

Award Presenters: Michael Dake, MD; Dierk Scheinert, MD
Award Recipients: Antonio Micari, MD, PhD; Saher Sabri, MD

3:00 - 3:30 pm REFRESHMENT BREAK

3:30 - 4:40 pm LIVE CASE DEMONSTRATIONS: Wellmont CVA Heart Institute

Moderator: Gary Ansel, MD
Panel: Desmond Bell, DPM, CWS; Lawrence A. Garcia, MD; Osamu Iida, MD; Thom Rooke, MD; Darren Schneider, MD; Akhilesh Sista, MD

EMERGENCIES

4:40 - 4:48 pm How to Manage Ruptured AAA Manish Mehta, MD

4:48 - 4:56 pm Acute Limb Ischemia: The Clock is Ticking Robert Lookstein, MD

4:56 - 5:04 pm Access Emergencies: How You Fix Them Zvonimir Krajcer, MD

5:04 - 5:12 pm Managing Acute Vessel Rupture Richard Powell, MD

5:12 - 5:20 pm Management of Distal Embolization George L. Adams, MD

5:20 - 5:28 pm Techniques for Treatment of Massive Pulmonary Embolization Akhilesh Sista, MD

5:28 pm DAY ONE CONCLUDES / SATELLITE SYMPOSIA

CONCURRENT SESSIONS

HANDS-ON! WORKSHOP

ATHERECTOMY DEVICES
10:00 - 11:45 am
Experience and compare a variety of atherectomy devices first-hand.
Space is Limited. See page 28.

PERCUTANEOUS THROMBECTOMY
1:20 - 5:15 pm
Compare techniques and devices and talk with expert faculty.

VIVA 2016
STRATEGIES ON THE FRONTLINE

1:20 - 5:15 pm See page 27 for agenda.
A dynamic review and discussion of nothing but clinical cases! This session will challenge both the faculty and audience participants with intensive discussions and an interactive dialogue related to complex case approaches and complication management.

VASCULAR ULTRASOUND
FOR THE INTERVENTIONALIST

2:15 - 4:15 pm
Experience the components of a comprehensive Duplex ultrasound examination/report, vascular-territory limitations of ultrasound evaluations and more.
See page 26 for agenda.

THE ROUNDTABLE

10:00 am - 5:35 pm
Panelist presentations and concentrated discussions with audience input will explore in-depth therapies, controversies, and opinions in each program area, which will be sure to bring you "up to speed" on state-of-the-art approaches to patient care. See page 22-23 for agenda.

NURSES + TECHS

1:30 - 5:30 pm
Dedicated to the cardiovascular healthcare professionals who play a critical role in the team-based delivery of vascular care.
See page 25 for agenda.

VIVA FACE-OFF

4:40 - 5:20 pm
Watch U.S. physicians-in-training (fellows and residents) and international physicians face-off with VIVA faculty presenting original research or interesting cases. See page 30 for agenda.

7:00 - 8:00 am Satellite Symposia
8:05 - 8:10 am Review of Monday's Live Cases

8:10 - 9:10 am **LATE-BREAKING CLINICAL TRIALS**
Moderators: Gary Ansel, MD; Michael R. Jaff, DO
Panel: Joshua A. Beckman, MD; Kenneth J. Cavanaugh Jr., PhD; Manish Mehta, MD; Manesh Patel, MD
Highly anticipated presentations, comprised of late-breaking clinical trials.

HYBRID APPROACHES

9:10 - 9:17 am Managing Malperfusion After TEVAR for Dissection **Mark A. Farber, MD**
9:17 - 9:24 am Femoropopliteal Disease: Hybrid Approach **Ramon L. Varcoe, MBBS, PhD**
9:24 - 9:31 am Arch Disease: When Does Hybrid Beat Open or Endo? **Ali Azizzadeh, MD**

9:31 - 10:00 am **REFRESHMENT BREAK**

10:00 - 11:10 am **LIVE CASE DEMONSTRATIONS:** Cleveland Clinic and Miami Cardiac and Vascular Institute
LIVE
Moderator: Peter A. Schneider, MD
Panel: Ali Azizzadeh, MD; Mark Burket, MD; Stephen Kee, MD; Dierk Scheinert, MD; Mehdi Shishehbor, DO, PhD; Christopher White, MD

CHRONIC OCCLUSION MANAGEMENT

11:10 - 11:17 am Central Venous Occlusion **Stephen Kee, MD**
11:17 - 11:24 am Subclavian Artery Occlusion **Darren Schneider, MD**
11:24 - 11:31 am Aortoiliac Reconstruction **Luis A. Sanchez, MD**
11:31 - 11:38 am Opening Mesenteric Occlusions: When and How **James Benenati, MD**
11:38 - 11:46 am CTO Crossing: Optimal Use of Devices **Robert Bersin, MD**
11:46 - 11:53 am CTO Re-entry: Device Selection and Use **Donald L. Jacobs, MD**
11:53 am - 12:00 pm Strategies for Treating Tibial Pedal Occlusive Disease **John H. Rundback, MD**

12:00 - 1:20 pm **LUNCH / SATELLITE SYMPOSIA**

1:20 - 2:30 pm **LIVE CASE DEMONSTRATIONS:** Cleveland Clinic
LIVE
Moderator: Michael Dake, MD
Panel: Iris Baumgartner, MD; Lanfroi Graziani, MD; Zvonimir Krajcer, MD; Richard Powell, MD; Saher Sabri, MD; Ido Weinberg, MD

NEW INNOVATIONS

2:30 - 2:37 pm Can you Create an A/V Fistula Without a Scalpel? **Dheeraj Rajan, MD**
2:37 - 2:44 pm New Developments to Improve Patency in Hemodialysis Access: From Creation Through Maintenance
Alan B. Lumsden, MD
2:44 - 2:51 pm Medical Therapy That Will Change the Management of PAD Patients **Joshua A. Beckman, MD**
2:51 - 2:58 pm Is Calcium Really Such a Bad Thing? The Shocking Truth! **Marianne Brodmann, MD**

2:58 - 3:10 pm **LIVE (Leader In EndoVascular Education) AWARD AND ATLAS (A Teacher, Leader And Scholar) AWARD PRESENTATIONS**
Award Presenter: Joshua A. Beckman, MD
LIVE Award Recipient: Mark C. Bates, MD
ATLAS Award Recipient: Thom Rooke, MD

3:10 - 3:40 pm **REFRESHMENT BREAK**

3:40 - 4:50 pm **LIVE CASE DEMONSTRATIONS:** Cleveland Clinic
LIVE
Moderator: Michael R. Jaff, DO
Panel: Mark J. Garcia, MD; Samuel Z. Goldhaber, MD; Nick Hopkins, MD; John Kaufman, MD; Dierk Scheinert, MD; Niten Singh, MD

BAIL-OUT STRATEGIES

4:50 - 4:57 pm Flow-Limiting Dissection Management After DCB **William A. Gray, MD**
4:57 - 5:04 pm Complex Filter Retrieval **John Kaufman, MD**
5:04 - 5:11 pm Failed EVAR Access **Niten Singh, MD**
5:11 - 5:18 pm Branch Vessel Salvage During Complex EVAR Procedures **Michael Dake, MD**
5:18 - 5:25 pm Managing Complications During Cerebrovascular Interventions **D. Christopher Metzger, MD**

5:25 pm **DAY TWO CONCLUDES**

WELCOME RECEPTION
Wynn Las Vegas' New Intrigue Nightclub

You are invited to attend VIVA's Welcome Reception following the conclusion of General Session on Tuesday, September 20, 6 - 9 pm. Enjoy food, drinks, and entertainment at Wynn's new nightclub, *Intrigue*. Admission to the reception is included in your conference registration fee. Guest tickets may be purchased for an additional \$100. Must be 21 years of age and provide valid identification at the door. VIVA badge required.

CONCURRENT SESSIONS

HANDS-ON! WORKSHOP

NEW! STROKE INTERVENTION

1:20 - 5:25 pm
This hands-on workshop is intended to introduce attendees to **stroke interventions** with the goal of motivating further education of stroke diagnosis, medical management, intervention options and devices and follow-up care. *Space is limited. See page 29.*

VIVA 2016
STRATEGIES ON THE FRONTLINE

10:00 am - 5:25 pm
A dynamic review and discussion of nothing but clinical cases! This session will challenge both the faculty and audience participants with intensive discussions and an interactive dialogue related to complex case approaches and complication management. *See page 27 for agenda.*

THE ROUNDTABLE

10:00 am - 5:05 pm
Panelist presentations and concentrated discussions with audience input will explore in-depth therapies, controversies, and opinions in each program area, which will be sure to bring you "up to speed" on state-of-the-art approaches to patient care. *See page 23-24 for agenda.*

NURSES + TECHS

1:30 - 5:30 pm
Dedicated to the cardiovascular healthcare professionals who play a critical role in the team-based delivery of vascular care. *See page 25 for agenda.*

VIVA FACE-OFF

9:15 - 9:55 am, 11:15 - 11:55 am, 2:30 - 3:10 pm, and 4:50 - 5:15 pm
Watch U.S. physicians-in-training (fellows and residents) and international physicians face-off with VIVA faculty presenting original research or interesting cases. *See page 30 for agenda.*

7:00 - 8:00 am Satellite Symposia
8:05 - 8:10 am Review of Tuesday's Live Cases



8:10 - 9:10 am **LIVE CASE DEMONSTRATIONS: University Hospital Leipzig**
LIVE
Moderator: John H. Rundback, MD
Panel: Herb Aronow, MD; Joshua A. Beckman, MD; Marianne Brodmann, MD; Alan Matsumoto, MD; Richard Powell, MD; Christopher White, MD

9:10 - 10:10 am **LATE-BREAKING CLINICAL TRIALS**
Moderators: Michael Dake, MD; Michael R. Jaff, DO
Panel: Joshua A. Beckman, MD; Kenneth J. Cavanaugh Jr., PhD; Misti Malone, PhD; D. Christopher Metzger, MD
Highly anticipated presentations, comprised of late-breaking clinical trials.

10:10 - 10:40 am **REFRESHMENT BREAK**

10:40 am - 12:00 pm **LIVE CASE DEMONSTRATIONS: University Hospital Leipzig**
LIVE
Moderator: Tony Das, MD
Panel: William A. Gray, MD; Sahil A. Parikh, MD; Constantino Peña, MD; Saher Sabri, MD; Giovanni Torsello, MD; Martin Werner, MD

12:00 - 1:20 pm **LUNCH / SATELLITE SYMPOSIA**

1:20 - 2:30 pm **LIVE CASE DEMONSTRATIONS: Tokeidai Memorial Hospital**
LIVE
Moderator: Joshua A. Beckman, MD
Panel: Mark Burket, MD; Fabrizio Fanelli, MD; Lawrence A. Garcia, MD; Bruce Gray, DO; Jihad Mustapha, MD; Richard Powell, MD

CHANGING LANDSCAPE

2:30 - 2:37 pm Office-Based, In-Patient, or Hospital Out-Patient Vascular Procedures: Impact On Outcomes and Reimbursement **Jeff Carr, MD**
2:37 - 2:44 pm Caveat Emptor: There's No Need for Office-Based Intervention **Mark Burket, MD**
2:44 - 2:51 pm The Opinion That Matters: What the Payors Will Think **Louis Jacques, MD**

NEW INNOVATIONS

2:51 - 2:57 pm Successful Treatment of Femoropopliteal In-Stent Restenosis **Fabrizio Fanelli, MD**
2:57 - 3:03 pm Combination Atherectomy and Drug Delivery for SFA Disease **Thomas Zeller, MD**
3:03 - 3:10 pm Drug Therapies for your Patients Following Vascular Intervention **Michael R. Jaff, DO**

3:10 - 3:40 pm **REFRESHMENT BREAK**

3:40 - 4:50 pm **LIVE CASE DEMONSTRATIONS: Tokeidai Memorial Hospital**
LIVE
Moderator: Kenneth Rosenfield, MD
Panel: Herb Aronow, MD; Arthur C. Lee, MD; Alan Matsumoto, MD; Sahil A. Parikh, MD; John H. Rundback, MD

WORST-CASE WEDNESDAY

Moderator: Kenneth Rosenfield, MD
Panel: Michael Dake, MD; Michael R. Jaff, DO; Krishna Rocha-Singh, MD; John H. Rundback, MD; Peter A. Schneider, MD

4:50 - 4:58 pm Case #1 **Michael R. Jaff, DO**
4:58 - 5:06 pm Case #2 **Michael Dake, MD**
5:06 - 5:14 pm Case #3 **Krishna Rocha-Singh, MD**
5:14 - 5:22 pm Case #4 **John H. Rundback, MD**
5:22 - 5:30 pm Case #5 **Peter A. Schneider, MD**

5:30 pm **DAY THREE CONCLUDES / SATELLITE SYMPOSIA**

CONCURRENT SESSIONS

HANDS-ON! WORKSHOP

NEW! VENA CAVA FILTERS

1:20 - 5:25 pm
This hands-on workshop will provide the opportunity to deploy a variety of devices, learn retrieval techniques, and interact with expert faculty. Space is limited. See page 29.

VIVA 2016
STRATEGIES ON THE FRONTLINE

10:50 am - 5:25 pm
A dynamic review and discussion of nothing but clinical cases! This session will challenge both the faculty and audience participants with intensive discussions and an interactive dialogue related to complex case approaches and complication management. See page 27 for agenda.

THE ROUNDTABLE

8:05 am - 5:30 pm
Panelist presentations and concentrated discussions with audience input will explore in-depth therapies, controversies, and opinions in each program area, which will be sure to bring you "up to speed" on state-of-the-art approaches to patient care. See page 24 for agenda.

NURSES + TECHS

1:30 - 5:30 pm
Dedicated to the cardiovascular healthcare professionals who play a critical role in the team-based delivery of vascular care. See page 26 for agenda.

VIVA FACE-OFF

2:30 - 3:10 pm
Watch U.S. physicians-in-training (fellows and residents) and international physicians face-off with VIVA faculty presenting original research or interesting cases. See page 30 for agenda.

8:00 - 8:10 am Review of Wednesday's Live Cases

8:10 - 9:20 am **LIVE CASE DEMONSTRATIONS: AZ Sint Blasius Hospital**

LIVE
Moderator: D. Christopher Metzger, MD
Panel: Herb Aronow, MD; Robert Morgan, MD; Jihad Mustapha, MD; Constantino Peña, MD; Darren Schneider, MD; Martin Werner, MD

RAPID FIRE TRIUMPHS & TRAGEDIES

Moderator: John Kaufman, MD
Panel: Michael Dake, MD; Tony Das, MD; D. Christopher Metzger, MD; John H. Rundback, MD

9:20 - 9:29 am Rapid Fire #1 **John H. Rundback, MD**
9:29 - 9:38 am Rapid Fire #2 **Michael Dake, MD**
9:38 - 9:47 am Rapid Fire #3 **Tony Das, MD**
9:47 - 9:56 am Rapid Fire #4 **D. Christopher Metzger, MD**
9:56 - 10:00 am Rapid Fire Wrap-Up

10:00 - 10:30 am **REFRESHMENT BREAK**

VIVA FACE-OFF WINNER'S CIRCLE

10:30 - 11:00 am Top 3 Face-Off Presentations **Michael Dake, MD; Kenneth Rosenfield, MD**

11:00 am - 12:00 pm **LIVE CASE DEMONSTRATIONS: AZ Sint Blasius Hospital**

LIVE
Moderator: Peter A. Schneider, MD
Panel: Charles Botti Jr., MD; Aaron M. Fischman, MD; Michael R. Jaff, DO; Chaim Lotan, MD; Alan Matsumoto, MD; Darren Schneider, MD

12:00 pm **VIVA 16 CONCLUDES**
John Kaufman, MD

 **SAVE THE DATE**
VIVA 2017 | **SEPTEMBER 11-15, 2017**
WYNN, LAS VEGAS

THE ROUNDTABLE

Monday, September 19 – Wednesday September 21

Hot topics up close and in detail! This session provides moderated discussions by world experts, lead by VIVA Board Members, and allows participants to take a deep dive into specific vascular areas. Panelist presentations and concentrated discussions with audience input will explore in-depth therapies, controversies, and opinions in each program area, which will be sure to bring you "up to speed" on state-of-the-art approaches to patient care.

MONDAY, SEPTEMBER 19

10:00 – 10:50 AM
ENDOLEAK MANAGEMENT:
FILLING THE GAP EFFECTIVELY

Moderators: Neal S. Cayne, MD; Manish Mehta, MD;
Panel: Joseph V. Lombardi, MD; Robert Lookstein, MD; Alan B. Lumsden, MD; Peter A. Schneider, MD

- What Imaging Techniques and Protocols Should You Communicate to Your Imaging Department to Optimally Identify and Characterize Endoleaks? **Alan B. Lumsden, MD**
- Using Graft Extenders, Bare Metal Stents, EndoAnchors, and Embolization for Type I Endoleaks **Joseph V. Lombardi, MD**
- Angiographic and Direct Sac Puncture Methods for Type 2 Endoleaks, Including Transendograft Lasers and Intentional Trans-Dissection Sac Management Techniques **Peter A. Schneider, MD**
- Does Preoperative Embolization or Other Strategies Eliminate Endoleaks and Will Nellix or Other Technologies Make this An Obsolete Problem? **Robert Lookstein, MD**

11:00 – 11:50 AM
CLI WOUND CARE: MASTERING CRITICAL COMPETENCIES
Moderator: Kenneth Rosenfield, MD
Panel: Christopher Attinger, MD; Desmond Bell, DPM, CWS; William J. Ennis, DO; Joseph L. Mills, MD

- Local Debridement Techniques and Fundamental Wound Care that Interventionalists Can Perform: When and What to Refer to a Specialist **Christopher Attinger, MD**
- Biologic Scaffolds and Local Stem Cell Therapies, When to Use Them and Do They Work **Desmond Bell, DPM, CWS**
- Clinical Trials of Local Injection Therapies for Angiogenesis and Pluripotent Cell Proliferation as Salvage Therapy in Non-Reconstructable CLI **Krishna Rocha-Singh, MD**
- Understanding Wound Healing and Trajectories as an Indication of Recurrent or Residual Ischemia and Need for Additional Revascularization **William J. Ennis, DO**

1:20 – 2:10 PM
CAROTID STENTING: STRATEGIES THAT WORK AND THOSE TO BE AVOIDED

Moderator: Tony Das, MD
Panel: Thomas Brott, MD; Jay Giri, MD; William A. Gray, MD; Gary Roubin, MD, PhD

- What is the Best Strategy for Carotid Revascularization in Symptomatic and Asymptomatic Women? **Thomas Brott, MD**
- The Case for Proximal or Dual Protection and Ways to Do This **Jay Giri, MD**
- Emerging and Horizon Techniques Including Direct Access and Mesh Stents – How do we Make CAS Safer? **Gary Roubin, MD, PhD**
- Overcoming Challenging Anatomy Such as Bad Arches, Kinks, Occluded Externals, and String Signs **William A. Gray, MD**

2:20 – 3:10 PM
PULMONARY EMBOLISM: DEVELOPING PULMONARY EMBOLISM RESPONSE TEAMS (PERT'S) AND DELIVERING BEST CARE
Moderator: Michael R. Jaff, DO
Panel: Raghu Kolluri, MD; Kenneth Rosenfield, MD; Jeffrey Y. Wang, MD; Ido Weinberg, MD

- What is the Workup, Timing, and Decision-Making for Catheter-Based Treatment of Acute Massive and Submassive PE. Deciding When to Activate the PERT and Who to Treat: Case Examples **Ido Weinberg, MD**
- Pulmonary Artery Thrombolytic Techniques and Technology, Defining Interventional Goals, Determining When Therapy is Done **Kenneth Rosenfield, MD**
- Pharmacomechanical Approaches to PE: Step-by-Step, Pitfalls, and Endpoints **Jeffrey Y. Wang, MD**
- Post-Procedural Care and Optimizing Anticoagulation Strategy and Long-Term Care After PE Therapy **Raghu Kolluri, MD**

THE ROUNDTABLE

MONDAY, SEPTEMBER 19 *Continued...*

3:30 – 4:20 PM

ACUTE AND CHRONIC DVT:

APPROACHES YOU NEED TO KNOW AND USE

Moderator: Michael Dake, MD

Panel: Mark J. Garcia, MD; Abdullah Omari, MD, PhD; Seshadri Raju, MD; Suresh Vedantham, MD

- Should Every Acute DVT Be Treated Interventionally: What Cases Don't Fit This Model and How Do You Get Buy-in At Your Hospital? **Suresh Vedantham, MD**
- Is Chronic DVT Really A Catheter-Treatable Disease? What Does the Data Tell Us, Why Is This Difficult, and What Techniques Succeed? **Mark J. Garcia, MD**
- Recognizing and Treating Iliofemoral DVT and Venous Compression Syndromes, Including Non-May-Thurner Lesions **Seshadri Raju, MD**
- Anticoagulation Strategy Is Getting Increasingly Sophisticated, So What's the Best Medical Therapy for Acute DVT or Chronic DVT Before, During, and After Intervention, or If Catheter-Based Intervention Fails or is Not Feasible **Abdullah Omari, MD, PhD**

4:25 – 5:35 PM

VASCULAR PHARMACOTHERAPY: ENHANCING THE MEDICAL MANAGEMENT OF THE VASCULAR PATIENT - AN ABSOLUTE NECESSITY FOR COMPREHENSIVE CARE*

Moderators: Joshua A. Beckman, MD; Manesh Patel, MD

Panel: Gary Ansel, MD; Ehrin Armstrong, MD; Marc P. Bonaca, MD; Michael R. Jaff, DO; Raghu Kolluri, MD

- What is the Pattern of Medical Therapy in PAD Patients, Are We Compatible with Guidelines, and What Changes Are Needed? **Ehrin Armstrong, MD**
- Anti-Restenotic and Anti-Thrombotic Strategy Alternatives Following Vascular Intervention, Including Existing ADP Receptor Blockers, Factor Xa Inhibitors, and Direct Thrombin Inhibitors **Michael R. Jaff, DO**
- Voraxapar and Other PAR-1 Antagonists for PAD. What Is the Clinical Science and When and How Should We Consider Using these Agents in our Patients? **Marc P. Bonaca, MD**
- Data Supporting Peri-Procedural Risk Factor Modification in Patients with PAD **Gary Ansel, MD**
- DOACS for VTE Treatment and Prevention – Which Agent in Which Patient, Monitoring, Safety Concerns and Effectiveness **Raghu Kolluri, MD**

*CME credits are not available for this session

TUESDAY, SEPTEMBER 20

10:00 – 10:50 AM

HEMODIALYSIS FISTULAE: A HUGE EMERGING OPPORTUNITY FOR VASCULAR PROVIDERS

Moderator: John H. Rundback, MD

Panel: John E. Aruny, MD; Gregg Miller, MD; Sanjay Misra, MD; Dheeraj Rajan, MD

- Guidelines Surrounding Hemodialysis Access Care **Gregg Miller, MD**
- Percutaneous Creation of Dialysis Fistula – Techniques and Early Results from the FLEX and NEAT Trials **Dheeraj Rajan, MD**
- How to Enhance Fistula Maturation, Including Angiographic Methods (Angioplasty and Coiling) and Non-Angiographic Approaches Such as Pneumatic Compression **John E. Aruny, MD**
- Existing and Upcoming Interventional Methods for the Failing HD Access, Including Novel Drug Delivery Technologies and Biologic Inhibition of Restenosis **Sanjay Misra, MD**

11:00 – 11:50 AM

CICE @ VIVA: MANAGING COMPLEX THORACOABDOMINAL AND AORTOILIAC ANEURYSMS WITH OFF-THE-SHELF DEVICES - WHAT HAVE WE LEARNED?

Moderator: Armando Lobato, MD, PhD

Panel: Jason T. Lee, MD; Manish Mehta, MD; Giovanni Torsello, MD

- With Branch Involvement, When Do I Use the Sandwich Technique Versus Parallel Grafts – and Why? **Giovanni Torsello, MD**
- My Step-by-Step Technique for Planning and Performing Endovascular Treatments for TAAA Disease with Available off-the-shelf Components **Armando Lobato, MD, PhD**
- How I Deal With Acute Rupture of TAAA or Paravisceral Aneurysms. Case Examples With off-the-shelf Devices **Jason T. Lee, MD**
- Can We Avoid Gutter Endoleaks and If Not How Do We Best Manage Them? **Manish Mehta, MD**

1:20 – 3:00 PM

ICI @ VIVA: INNOVATION IN HEALTH CARE - CAN PHYSICIANS AND INDUSTRY WORK TOGETHER ANYMORE?*

Moderator: Michael R. Jaff, DO

Panel: Steven J. Cagnetta, Esq.; Ron Ginor, MD; Mark A. Turco, MD

- Introduction and Welcome **Michael R. Jaff, DO**
- Why is it Important for Doctors to Invent and Industry to Invest? **Chaim Lotan, MD**
- What Risk Does Industry Play When Collaborating with Doctors? **Christopher White, MD**
- The Opportunities for Industry to Improve Care Through Collaboration **Mark A. Turco, MD**
- What Risk do Physicians Play When Collaborating With Industry? **Steven J. Cagnetta, Esq.**
- The Solutions: A Panel Discussion **Gary Ansel, MD**

*CME credits are not available for this session

3:10 – 4:00 PM

CTO TECHNIQUES:

NO TASC TOO GREAT FOR ENDOVASCULAR THERAPY

Moderator: Gary Ansel, MD

Panel: Robert Bersin, MD; Robert Lookstein, MD; Darren Schneider, MD

- Simple is Better: All You Need Is a Good Guidewire and the Proper Support Catheter **Gary Ansel, MD**
- Selective Use Of CTO Crossing Devices Saves Time and Reduces Radiation Exposure! **Darren Schneider, MD**
- Mastery of Re-entry Devices is What's Really Needed! **Robert Lookstein, MD**
- From Simple to Complex: What is the Role for OCT Guided CTO Crossing and Treatment? **Robert Bersin, MD**

4:10 – 5:00 PM

SEVERE CALCIFICATION:

ACHIEVING SUCCESS IN THE HARDEST ARTERIES

Moderator: Peter A. Schneider, MD

Panel: Marianne Brodmann, MD; Arthur C. Lee, MD; Jihad Mustapha, MD

- Intraluminal Versus Subintimal CTO Crossing: Does it Matter? **Marianne Brodmann, MD**
- Bidirectional CTO Crossing: The Wire Rendezvous Technique and Beyond **Peter A. Schneider, MD**
- IVUS Guidance During CTO Crossing: Tips and Tricks **Jihad Mustapha, MD**
- Orbital Atherectomy: Lesion Debulking Improves Outcomes! **Arthur C. Lee, MD**

WEDNESDAY, SEPTEMBER 21

8:05 – 8:55 AM

DRUG ELUTING TECHNOLOGIES: OPTIMIZING TECHNIQUES AND UNDERSTANDING LIMITATIONS

Moderator: Krishna Rocha-Singh, MD

Panel: William A. Gray, MD; Dierk Scheinert, MD; Thomas Zeller, MD

- DES vs. DCB: When to Choose? **Thomas Zeller, MD**
- Strengths and Weaknesses of DCB's: Insights from the Global Registries **Dierk Scheinert, MD**
- The Next Generation of DES and DCB **William A. Gray, MD**
- Drug Elution in Long Segment and Calcified Disease – Current Status and Role for Atherectomy for Vessel Preparation **Krishna Rocha-Singh, MD**

10:40 – 11:30 AM

PERIPHERAL EMBOLOTHERAPY: TOOLS FOR ACHIEVING OCCLUSION QUICKLY AND RELIABLY

Moderator: John H. Rundback, MD

Panel: Iris Baumgartner, MD; Barry T. Katzen, MD; Robert Morgan, MD

- Coil Techniques and Reasons for Doing this During Complicated Peripheral Vascular Interventions **John H. Rundback, MD**
- Embolization and Sclerosis of Peripheral AVM's – A Stepwise Approach **Iris Baumgartner, MD**
- Endovascular Therapy for Visceral Artery Aneurysms **Robert Morgan, MD**
- Advantages of Robotic-Assisted Embolization **Barry T. Katzen, MD**

1:20 – 2:10 PM

THE BUSINESS OF HEALTHCARE, PART 1*

Moderators: Duke Collier, JD; Michael R. Jaff, DO
Panel: Peter Fitzgerald, MD; Robert Hopkins, MBA; Chaim Lotan, MD; Tony Semedo; Jack Springer; Christopher White, MD

- Welcome and Opening Statement **Duke Collier, JD; Michael R. Jaff, DO**
- How Can Hospitals Make Health Management Work Amongst High-Priced Vascular Care? **Christopher White, MD**
- How Do Investors Decide to Invest? A Primer **Jack Springer**
- Tips for Success as a CEO **Jack Springer**
- Economics 101: How the Markets Affect Medical Device Development **Robert Hopkins, MBA**
- International Investing: What Do the Innovators Think? **Peter Fitzgerald, MD; Chaim Lotan, MD**

*CME credits are not available for this session

2:15 – 3:10 PM

THE BUSINESS OF HEALTHCARE, PART 2*

Moderators: Duke Collier, JD; Michael R. Jaff, DO
Panel: Kenneth J. Cavanaugh Jr., PhD; Tony Chou, MD; Robert Hopkins, MBA; Misti Malone, PhD; Jeff Mirviss, MBA

- How Do You Decide If Your Idea Is Worthy of Pursuing? **Duke Collier, JD**
- How to Start a Company: The Five Things You Cannot Forget **Robert Hopkins, MBA**
- Should You Take Investment Capital from Anyone? What Are The Red Flags? **Tony Chou, MD**
- The Future of Biotech and Medical Device Development in the Vascular Space **Jeff Mirviss, MBA**
- Does the FDA Really Want to Discuss Your Idea With You? **Misti Malone, PhD**
- Is it Possible to Impact Reimbursement by Speaking with CMS? **TBD**

*CME credits are not available for this session

3:40 – 4:30 PM

LINC @ VIVA

Moderator: Dierk Scheinert, MD

Panel: Marianne Brodmann, MD; Martin Werner, MD; Thomas Zeller, MD

- The Next Frontier in Anti-Restenosis Therapies **Dierk Scheinert, MD**
- DCB Alone or in Combination with Adjunctive Therapies? **Marianne Brodmann, MD**
- The Next Big Revelation: Important Ongoing Clinical Trials in Europe **Thomas Zeller, MD**
- Improving Patency of Infrapopliteal Interventions: The Role of DCB, DES, and BVS **Martin Werner, MD**

4:40 – 5:30 PM

GROWING PAD PRACTICE: PRACTICE STRUCTURES AND DEVELOPMENT KEYS

Moderator: Joshua A. Beckman, MD

Panel: Jeff Carr, MD; Brian Contos; Michael Guiry, PA-C, MBA; Alan B. Lumsden, MD

- The Argument for Building PAD in a Freestanding Environment **Jeff Carr, MD**
- Taking Advantage of ACO's and Other Population Health Models to Drive Arterial and Venous Interventions **Brian Contos**
- How to Engage SNF's... "Screen to Intervene" and "Lower Extremity Amputation Prevention" Programs **Michael Guiry, PA-C, MBA**
- Realizing the PAD/CLI Team Model: Where To Start, What To Do, Creating a Plan **Alan B. Lumsden, MD**



NURSES + TECHS

Monday, September 19 – Wednesday, September 21

This educational symposium is dedicated to the cardiovascular healthcare professionals who play a critical role in the team-based delivery of vascular care. An integrated faculty will focus their presentations from the healthcare professional’s perspective featuring a wide variety of interesting topics including peripheral arterial disease, carotid artery disease and stenting, emerging therapies in the endovascular suite, non-invasive vascular testing, venous disease and treatment options, strategies to reduce vascular complications and coming changes in the healthcare environment. This interactive, dynamic program will incorporate moderated case presentations with panel discussions.

MONDAY, SEPTEMBER 19

1:30 – 3:10 PM
THE ANGIO SUITE BASICS WE TAKE FOR GRANTED - PART 1

Moderators: Gary Ansel, MD; Stephen Kee, MD

- Data Proven Methods for Reduction of Contrast Induced Renal Insufficiency **Stephen Kee, MD**
- Delegation of Closure to Allied Personnel: How to Plan for Success, Short and Long-Term **Rabih Chaer, MD**
- Developing a Primarily Outpatient-Based Endovascular Program **Amanda Bailey, MSN, CNP, RN-BC**
- The Basics of a Vascular Ultrasound Machine and Imaging for the Angio Suite **Gail Hadley, RN, RVT**
- Developing a Vascular Access Program to Decrease Complication Rates **Gary Ansel, MD**

3:10 – 3:30 PM REFRESHMENT BREAK

3:30 – 5:30 PM
THE ANGIO SUITE BASICS WE TAKE FOR GRANTED - PART 2

Moderators: John Kaufman, MD; Laurie Ventura, RN, BSN

- Developing a More Cost-effective Approach to Decrease Waste in the Angiographic Suite **Laurie Ventura, RN, BSN**
- Successful Protocols for Hypertension Management and Sedation in the Angiographic Suite **Kathleen Rich, PhD, RN, CCNS**
- Tableside Neurologic Evaluation **Marie E. Rossi, RN, BS, CVN**
- Databasing Your Procedural Results: What are the Options Available to Your Institution? **Michael Guiry, PA-C, MBA**
- Radiation Safety Techniques: From Pregnancy and Beyond **John Kaufman, MD**
- The Basics of Thrombolysis. From Dose to Concomitant Anticoagulation **Dheeraj Rajan, MD**

TUESDAY, SEPTEMBER 20

1:30 – 3:10 PM
CHANGES IN THE ANGIO SUITE ENVIRONMENT - PART 1

Moderators: Charles Botti Jr., MD; Ramon L. Varcoe, MBBS, PhD

- CO2, IVUS, OCT, Dilute Contrast; Imaging to Decrease Renal Dysfunction **Charles Botti Jr., MD**
- Venous Anatomy: The Basics and Common Anomalies You Need to Recognize **Robert Lookstein, MD**
- Optimizing Limb Salvage: What you Need to Know About Angiosomes and Other Key Concepts **John H. Rundback, MD**
- The Lab of the Future, Hybrid to Robots: The Possible Effects On Your Career Choice **James Benenati, MD**
- Tibiopedal Access: When and How **Lanfroï Graziani, MD**

3:10 – 3:30 PM REFRESHMENT BREAK

3:30 – 5:30 PM
CHANGES IN THE ANGIO SUITE ENVIRONMENT - PART 2

Moderators: Raghu Kolluri, MD; Kenneth Rosenfield, MD

- How and Why to Develop a Primarily Percutaneous AAA Endograft Program **Ramon L. Varcoe, MBBS, PhD**
- A Follow-up Program for Following and Removing IVC Filters at a High Rate **Melissa A. Troyan, MSN, CNP, RN-BC**
- Multispecialty Integration Into One Area of the Cath Lab: Planning for Success **James Benenati, MD**
- What You Need to Know About the New Anticoagulants **Joshua A. Beckman, MD**
- Customizing PE Treatment for The Various Risk Strata **Kenneth Rosenfield, MD**
- Venous Ablation: Has New Technology Made RF and Laser Obsolete? **Raghu Kolluri, MD**

WEDNESDAY, SEPTEMBER 21

1:30 – 3:10 PM
ADVANCES IN THE PERCUTANEOUS TREATMENT - PART 1

Moderators: George L. Adams, MD; William A. Gray, MD

- Drug-Coated Balloons: Prep, Use, and Bailing Out Successfully **Lanfroï Graziani, MD**
- Should We Be Risk Stratifying the Various Forms of Carotid Stent Protection? **William A. Gray, MD**
- Optimizing Outcomes with Stent Grafts for Long Lesions **Gary Ansel, MD**
- Atherectomy Device Overview: Present and Potential Future Roles **George L. Adams, MD**
- IVC Filters: Current and Future Designs **Darren Schneider, MD**

3:10 – 3:30 PM REFRESHMENT BREAK

3:30 – 5:30 PM
ADVANCES IN THE PERCUTANEOUS TREATMENT - PART 2

Moderators: Tony Das, MD; Lawrence A. Garcia, MD

- The Tools you Need to Know for Advanced Difficult IVC Filter Removal **John Kaufman, MD**
- The Aggressive Vessel Prep: When, How, and Anticipating Potential Complications **Lawrence A. Garcia, MD**
- Making Sense of Bare Metal Stents: Are There Really Differences? **Tony Das, MD**
- CTO Devices: The Device Nuances you Need to Know **Jihad Mustapha, MD**
- Dealing With Acute Limb Ischemia: Sifting Through the Devices and Techniques to Save Life, Limb, and Dollars **Darren Schneider, MD**
- Successful Treatment Techniques for Acute and Chronic DVT **Mark J. Garcia, MD**

VASCULAR ULTRASOUND FOR THE INTERVENTIONALIST

Monday, September 19

This session is intended to augment the endovascular internationalist’s knowledge in, and interpretation of, commonly ordered vascular diagnostic evaluations of patient with peripheral arterial syndromes. The course will highlight the components of a comprehensive Duplex ultrasound examination/report, vascular-territory limitations of ultrasound evaluations, common errors in imaging acquisition and interpretation, how to use the results of duplex ultrasonography for planning the clinical management of the patient. In addition, you will gain experience understanding how to use the vascular laboratory for procedural planning for intervention – access, tools, etc.

Moderators: William A. Gray, MD; Jan M. Sloves, RVT, RCS

2:15 – 3:35 PM
DUPLEX EVALUATION OF CLAUDICATION AND CLI

- Introduction and Goals **William A. Gray, MD; Jan M. Sloves, RVT, RCS**
- Mapping the Lower Extremity Arterial System: What the Interventionalist Should Expect/Demand from a Well-done Duplex Study **Jan M. Sloves, RVT, RCS**
- Aorto-iliac Duplex Results: Implications for Additional Diagnostic Imaging, Procedural Access and Interventional Planning **Ramon L. Varcoe, MBBS, PhD**
- Femoro-popliteal Duplex: Evaluating Lesion Locations and Characteristics vis-a-vis Choice of Interventional Approach and Tools **William A. Gray, MD**
- Duplex Evaluation of the CLI Patient: What you Need to Know and What you can Realistically Expect **Michael R. Jaff, DO**
- Question & Answer **William A. Gray, MD; Jan M. Sloves, RVT, RCS**

3:35 – 4:15 PM
DUPLEX EVALUATION OF OTHER VASCULAR TERRITORIES

- 5 Things You Need to Know Beyond the Stenosis Severity: In Carotid Ultrasound **Jan M. Sloves, RVT, RCS**
- 5 Things You Need to Know Beyond the Stenosis Severity: In Renal Duplex **Ido Weinberg, MD**
- Case Presentation: Duplex/Angio/Intervention **Mehdi Shishehbor, DO, PhD**
- Case Presentation: Duplex/Angio/Intervention **Mitchell Silver, DO**

*CME credits are not available for this session.

AGENDA

Monday, September 19 – Wednesday, September 21

Continuing education credits are not available for this session.

Enter “Strategies on the Frontline” for a dynamic review and discussion of nothing but clinical cases! This course will challenge both the faculty and audience participants with intensive discussions and an interactive dialogue related to complex case approaches and complication management. Attendees are encouraged to engage the faculty and moderators to address real world issues encountered in everyday practice. Whether you choose to enlist in the whole tour or join for instruction focused on a particular vascular problem, the Strategies lieutenants and renowned platoon of expert thought leaders will expand your clinical boundaries, enhance your depth of knowledge, and prepare you for achieving successful outcomes in the most challenging case situations.



MONDAY: 09.19.16
1:20 - 5:15 pm

Complex Aortoiliac Interventions: Making Endovascular Therapy the First Approach in EVERY Case!
Lieutenant: John Kaufman, MD **Platoon:** George L. Adams, MD; Iris Baumgartner, MD; Matthew Recht, MD; Darren Schneider, MD; Edward Woo, MD

Clot Management – Using the Growing Number of Tools and Techniques to Salvage Thrombotic Disasters During Peripheral Interventions
Lieutenant: Peter A. Schneider, MD
Platoon: Joshua A. Beckman, MD; James Benenati, MD; Robert Bersin, MD; Lawrence A. Garcia, MD; Seshadri Raju, MD

Vasculitis and FMD – Recognizing and Treating Challenging Arterial Lesions, Including Strategies for Timing Interventions, Concomitant Medical Management and Subspecialty Care, and Longitudinal Care
Lieutenant: Joshua A. Beckman, MD **Platoon:** Ali Azizzadeh, MD; Mark C. Bates, MD; Neal S. Cayne, MD; Bruce Gray, DO; Jon S. Matsumura, MD

The Most Unusual, Perplexing, and Amazing Case E-V-E-R. How the Experts Manage Zebras and Unicorns!
Lieutenant: Tony Das, MD **Platoon:** Ali Azizzadeh, MD; Gustavo Oderich, MD; Robert Schainfeld, DO; Mehdi Shishehbor, DO, PhD; Edward Woo, MD

TUESDAY: 09.20.16
10:00 am - 5:25 pm

Carotid Interventions, From Basic to Advanced
Lieutenant: Tony Das, MD **Platoon:** Thomas Brott, MD; Rabih Chaer, MD; William A. Gray, MD; Nick Hopkins, MD; Gary Roubin, MD, PhD

Japanese Case Review: Learning From our Colleagues in the Pacific, and Walking Away Amazed at the Tremendously Advanced and Innovative Approaches Used in Asia to Treat Challenging PAD Patients
Lieutenant: Michael Dake, MD **Platoon:** Hiroshi Ando, MD; Keisuke Hirano, MD; Osamu Iida, MD; Daizo Kawasaki, MD; Krishna Rocha-Singh, MD; Yoshimitsu Soga, MD, PhD

Worst Case, Best Save: Putting all the Tools to Work and Learning How to Avoid Repeat Disasters
Lieutenant: D. Christopher Metzger, MD **Platoon:** Mark Burket, MD; Rabih Chaer, MD; Mark A. Farber, MD; Bruce Gray, DO; Donald L. Jacobs, MD

Complex EVAR, Branch Devices, Parallel Grafts, Snorkels, Periscopes, and Other Sophisticated Techniques
Lieutenant: Manish Mehta, MD **Platoon:** Neal S. Cayne, MD; Jason T. Lee, MD; Armando Lobato, MD, PhD; Miguel Montero-Baker, MD; Luis A. Sanchez, MD

Tuesday Continued...

TEVAR/FEVAR/TBAR for Arch and Descending Dissections: What Grafts to Use, How to Use Them, and Hybrid Strategies
Lieutenant: Michael Dake, MD **Platoon:** Wei Guo, MD, PhD; Barry T. Katzen, MD; Armando Lobato, MD, PhD; Alan B. Lumsden, MD; Richard Powell, MD

Tibial Occlusions and Multivessel Tibiopopliteal Disease, Cognitive Approaches, Antegrade and Retrograde Techniques, Defining Endpoints of Intervention, and Determining When Staging is Needed
Lieutenant: John H. Rundback, MD **Platoon:** John E. Aruny, MD; Lawrence A. Garcia, MD; Robert Lookstein, MD; Miguel Montero-Baker, MD; Mehdi Shishehbor, DO, PhD

WEDNESDAY: 09.21.16
10:50 am - 5:25 pm

Acute Stroke Intervention - Devices Over Drugs - What's Here, Now, and Tomorrow?
Lieutenant: Michael R. Jaff, DO **Platoon:** George L. Adams, MD; Herb Aronow, MD; Nick Hopkins, MD; Aman B. Patel, MD; Richard Powell, MD

Complications of Radial Interventions, Including Thrombosis, Spasm, Kinks, Dissections, Ischemia and Ruptures - Preventive and Procedural Expertise to Save the Access and Knowing When Radial Won't Work
Lieutenant: Gary Ansel, MD **Platoon:** Jeff Carr, MD; John Coppola, MD; Tony Das, MD; Aaron M. Fischman, MD; Sahil A. Parikh, MD

Visceral/Mesenteric Aneurysms and Dissections: When to Wait, How to Intervene, Choosing Coils/Plugs vs. Stents, Stent-Coil Techniques, Stent Grafts and Flow Diverters, and Following the Patient After Treatment
Lieutenant: Alan Matsumoto, MD **Platoon:** Charles Botti Jr., MD; Barry T. Katzen, MD; Alan B. Lumsden, MD; John H. Rundback, MD; Peter A. Schneider, MD

Chronic Peripheral and Iliofemoral DVT, an Epidemic Disease and Huge Opportunity for Care; Learning the Imaging and Interventional Approaches to Evaluate and Best Treat These Complex Patients
Lieutenant: Mark J. Garcia, MD **Platoon:** Fabrizio Fanelli, MD; Michael R. Jaff, DO; Raghu Kolluri, MD; Constantino Peña, MD; Ido Weinberg, MD

IVC Filter Removal, Making These a Priority: How to Create Systems for Early Removal, Basic and Advanced Techniques for Extracting the Difficulty and/or Chronically Implanted Filter and When You Should or Shouldn't Do This
Lieutenant: John Kaufman, MD **Platoon:** Bruce Gray, DO; Barry T. Katzen, MD; Raghu Kolluri, MD; Richard Powell, MD; Martin Werner, MD

LIVE U.S. AND INTERNATIONAL LIVE CASE SITES

Leading experts from around the world will be sharing the latest techniques and methods for some of the most challenging cases. Live cases offer a true multispecialty approach to endovascular therapy and will be broadcast in real-time during General Session on Monday, Tuesday, Wednesday, and Thursday.

AZ SINT BLASIIUS HOSPITAL DENDERMONDE, BELGIUM KOEN DELOOSE, MD Vascular Surgery	CLEVELAND CLINIC CLEVELAND, OHIO SEAN LYDEN, MD Vascular Surgery	UNIVERSITY HOSPITAL LEIPZIG LEIPZIG, GERMANY ANDREJ SCHMIDT, MD Angiology 
MIAMI CARDIAC AND VASCULAR INSTITUTE MIAMI, FLORIDA CONSTANTINO PEÑA, MD Interventional Radiology	TOKEIDAI MEMORIAL HOSPITAL SAPPORO, JAPAN KAZUSHI URASAWA, MD Interventional Cardiology	WELLMONT CVA HEART INSTITUTE KINGSPORT, TENNESSEE D. CHRISTOPHER METZGER, MD Interventional Cardiology

HANDS-ON! WORKSHOP

Monday, September 19 - Wednesday, September 21
Continuing education credits are not available for these sessions.

ATHERECTOMY DEVICES

Monday, September 19, 2016, 10:00 - 11:45 am

Atherectomy devices come in many shapes, sizes, and styles. In clinical practice, it is sometimes difficult to become familiar with all of these different technologies and to know when to apply them. In this hands-on workshop, you will experience and compare a variety of atherectomy devices first-hand, quiz the experts on how and when they use them, and expand your knowledge of atherectomy procedures. *Availability is limited and attendance is first-come first-served.*

Moderator: John H. Rundback, MD
Participants: Robert Bersin, MD; Jason T. Lee, MD; Luis A. Sanchez, MD; Mehdi Shishehbor, DO, PhD

PERCUTANEOUS THROMBECTOMY

Monday, September 19, 2016, 1:20 - 5:15 pm

Dealing with intravascular thrombus can be challenging, frustrating, and sometimes life-saving. Often thrombus is encountered unexpectedly during a procedure and must be dealt with urgently - not a good time to try a new device or technique. This hands-on workshop will allow you to experience and compare a variety of devices and techniques, talk with expert faculty, and familiarize yourself with a range of percutaneous thrombectomy options. *Availability is limited and attendance is first-come first-served.*

SESSION 1: 1:20 - 3:00 pm

Moderator: Krishna Rocha-Singh, MD
Participants: Mark C. Bates, MD; Jason T. Lee, MD; Mitchell Silver, DO; Akhilesh Sista, MD

SESSION 2: 3:30 - 5:15 pm

Moderator: Peter A. Schneider, MD
Participants: Daniel Clair, MD; Jay Giri, MD; Stephen Kee, MD; Alan B. Lumsden, MD

HANDS-ON! WORKSHOP *Continued...*

NEW! STROKE INTERVENTION

Tuesday, September 20, 2016, 1:20 - 5:25 pm

Intervention for acute stroke has great potential benefit to patients, but requires thorough knowledge of stroke diagnosis, medical management, intervention options, and devices, and follow-up care within a coordinated multidisciplinary framework. This workshop is intended to introduce attendees to stroke interventions with the goal of motivating further education and training. *Availability is limited and attendance is first-come first-served.*

SESSION 1: 1:20 - 3:05 pm

Moderator: Kenneth Rosenfield, MD
Participants: Ehrin Armstrong, MD; Lawrence A. Garcia, MD; Nick Hopkins, MD; Niten Singh, MD

SESSION 2: 3:40 - 5:25 pm

Moderator: Manish Mehta, MD
Participants: George L. Adams, MD; Mark Burket, MD; Bruce Gray, DO; Robert Schainfeld, DO

NEW! VENA CAVA FILTERS

Wednesday, September 21, 2016, 1:20 - 5:25 pm

How can such a simple device be so complicated? Vena cava filters have been commercially available for about 40 years, but we are still just beginning to understand these devices. This hands-on workshop will provide the opportunity to deploy a variety of devices, learn retrieval techniques, and interact with expert faculty. *Availability is limited and attendance is first-come first-served.*

SESSION 1: 1:20 - 3:05 pm

Moderator: John Kaufman, MD
Participants: Mark J. Garcia, MD; D. Christopher Metzger, MD; Ido Weinberg, MD

SESSION 2: 3:40 - 5:25 pm

Moderator: Gary Ansel, MD
Participants: John Coppola, MD; Aaron M. Fischman, MD; William A. Gray, MD



VIVA FACE-OFF

VIVA 16 offers a thrilling opportunity for **U.S. Physicians-in-training (fellows and qualifying residents)** and **international physicians** to enter the Face-Off Competition and present an interesting case or original research, with a focus on complex procedures, complication management, advanced and novel techniques, or new technology. Presenters will face-off with VIVA faculty for seven minutes followed by three minutes of Q&A. VIVA faculty will judge each presentation on clarity, interest, value, originality, and depth/scope. The top three winners will enter the "VIVA Face-Off Winner's Circle" and present on **Thursday, September 22** in General Session.

This competition will be held in the lobby of the entrance to the Exhibit Pavilion.

AGENDA

MON: September 19

4:40 – 5:20 pm

TUES: September 20

9:15 – 9:55 am

11:15 – 11:55 am

2:30 – 3:10 pm

4:50 – 5:15 pm

WED: September 21

2:30 – 3:10 pm

**ARE YOU A FELLOW
OR PHYSICIAN-IN-TRAINING?**

U.S. physicians-in-training (fellows and qualifying residents) are invited to engage in VIVA beyond the General Session through various exclusive events!

FACE-OFF

By submitting a qualifying case in the Face-Off Competition, physicians-in-training can attend VIVA 16 for **FREE** and present in a world-class setting amongst their peers.

Who Is Eligible to Participate?

- All current 1st or 2nd year Fellows in: Neurology, Endovascular Medicine, Interventional Radiology, Cardiology, Vascular Medicine, or Vascular Surgery
- All Residents in: PG 1-5 Vascular Surgery or PG 1-5 Interventional Radiology

How Do I Submit A Case?

Log on to www.vivaphysicians.org/fellows for guidelines, submission details, and registration information. **Deadline to register is July 29, 2016.**

SCHOLARSHIPS

There are a limited number of travel and housing scholarships available for U.S. fellows and residents participating in the Face-Off. Upon completing registration, you will receive more information on how to apply.

FELLOWS AND PHYSICIANS-IN-TRAINING RECEPTION

Attend the special reception in the Exhibit Pavilion, Sunday evening, guided by VIVA Board members and supporters of the Fellows Program. Take on this "passport adventure" for your chance to win a prize at the end of the evening.

FELLOWS TALK

Immediately following the reception, join VIVA board members who will provide insights and practical advice on your first job out of training! What to do, what not to do, and how to do it!

For full details on Fellows and Physicians-in-training opportunities, please visit www.vivaphysicians.org/fellows

VIRTUAL VIVA

INCLUDED in Tuition!

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Features...



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Reference presentations shown during the meeting



Interact live with multispecialty faculty through **Q&A**



Access the **Device Library**, **Buyer's Guide**, **eBags**, and much more!

Virtual VIVA is FREE to attendees who register for VIVA 16. Sessions become available live September 18, and on demand directly following the session.

ATTEND ONLINE

INTERNATIONAL PHYSICIANS & ACTIVE DUTY MILITARY PHYSICIANS

(Complimentary Tuition)

From any location or base, gain access to all VIVA 16 content when the app becomes live on September 18. Watch live sessions, interact with faculty, and reference presentations virtually. For more information, visit www.vivaphysicians.org/attendonline

CME credits are not available for physicians attending the meeting online.

Register today: www.vivaphysicians.org/register-now

ATTEND THE 6TH ANNUAL
VEINS CONFERENCE FOR **ONLY \$595**

VIVA 16

THE VEINS AT VIVA

SATURDAY, SEPTEMBER 17 – SUNDAY, SEPTEMBER 18, 2016

VIVA Physicians welcomed **The VEINS** (Venous Endovascular INterventional Strategies) course last year and is excited to bring it back for a second year in Las Vegas! The VEINS at VIVA returns with this multispecialty, focused, comprehensive symposium providing an in-depth look at a rapidly evolving field. From diagnosis and management strategies for superficial venous disease to the challenges of intervention for deep venous thrombosis and pulmonary emboli, The VEINS will provide new information to help you care for these complex patients.

This two-day interactive course held in Wynn Las Vegas will be focused on acute and chronic venous diseases, and offer a comprehensive analysis of the critical issues facing vascular specialists today. With pulmonary embolism representing the highest death rate of hospitalized patients and DVT episodes outnumbering heart attacks or strokes in the U.S. annually, it is now more important than ever to be at the forefront of new, state-of-the-art technologies. With its success last year, The VEINS at VIVA again brings the state-of-the-art content including basic venous topics to contemporary science, controversies and expert analyses along with extended hands-on training with live patients. There will be ample time for discussion with the world-class faculty.

FACULTY

Course Directors

Raghu Kolluri, MD
Vascular Medicine

Michael R. Jaff, DO
Vascular Medicine

Mark J. Garcia, MD
Interventional Radiology

Kathleen Gibson, MD
Vascular Surgery

Julian J. Javier, MD
Interventional Cardiology

Faculty

Gary M. Ansel, MD
Interventional Cardiology

Christopher Attinger, MD
Plastic Surgery

John R. Bartholomew, MD
Vascular Medicine

Mark C. Bates, MD
Interventional Cardiology

Iris Baumgartner, MD
Vascular Medicine

Desmond Bell, DPM, CWS
Podiatric Medicine and Wound Care/Limb Preservation

Teresa L. Carman, MD
Vascular Medicine

Jeff Carr, MD
Interventional Cardiology

Steven Dean, DO
Vascular Medicine

Steve Elias, MD
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Paul J. Gagne, MD
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Lowell S. Kabnick, MD
Vascular Surgery

John A. Kaufman, MD
Interventional Radiology

Michael Maier, DPM
Wound Care

Robert McLafferty, MD
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Robert Morgan, MD
Interventional Radiology

Abdullah Omari, MD, PhD
Vascular Medicine

Robert Schainfeld, DO
Vascular Medicine

Mitchell Silver, DO
Interventional Cardiology

Akhilesh Sista, MD
Interventional Radiology

Suresh Vedantham, MD
Interventional Radiology

Ido Weinberg, MD
Vascular Medicine

Thomas Zeller, MD
Interventional Angiology

CME ACCREDITATION & DESIGNATION

This program has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for CME (ACCME) through joint providership with the University at Buffalo School of Medicine and Biomedical Sciences and VIVA Physicians. The University at Buffalo is accredited by the ACCME to sponsor CME for physicians. The UB School of Medicine & Biomedical Sciences designates this live activity for a maximum of **14.25 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity. Distribution of credits is as follows:

Saturday (7:55 am – 5:30 pm): 7.25 credits

Sunday (8:00 am – 5:15 pm): 7.0 credits

Join Us for...

THE VEINS RECEPTION

SEPTEMBER 17, 2016

5:30 – 6:45 PM



@TheVEINSatVIVA
#TheVEINSMeeting

For a complete agenda, exhibit and marketing opportunities and registration, please visit www.theveins.org

A TEACHER, LEADER, AND SCHOLAR ATLAS AWARD

The ATLAS award has celebrated the career and impact of physicians who have distinguished themselves as scholars and leaders in their respective vascular fields. They have committed their careers to advancing care of patients with vascular disorders, and have taught countless numbers of physicians techniques to expand care across the United States and the world.



ATLAS AWARD PRESENTATION – THOM W. ROOKE, MD Tuesday, September 20, 2016 – 2:58 pm, General Session

Dr. Thom Rooke obtained a BS in Physiology at the University of Michigan and an MD at Johns Hopkins School of Medicine. After completing Internal Medicine and Cardiovascular Medicine residencies at Mayo Clinic, he joined the Vascular Medicine section at Mayo. Dr. Rooke is the former Head of the Section of Vascular Medicine and founder of the Mayo Clinic Wound Care Center. He is currently the Krehbiel Professor of Vascular Medicine.

Dr. Rooke serves on a number of national boards, committees, and societies. He is Past-President of both the *Intersocietal Commission for the Accreditation of Vascular Laboratories (ICAVL)* and the *Society for Vascular Medicine*.

Dr. Rooke's interests include medical writing and the art of the medical lecture.



A LEADER IN ENDOVASCULAR EDUCATION LIVE AWARD

The LIVE award has recognized those vascular specialists who have dedicated their professional careers to educating students, post-graduate trainees, and peers in all aspects of vascular medicine and intervention.

LIVE AWARD PRESENTATION – MARK BATES, MD Tuesday, September 20, 2016 – 2:58 pm, General Session

Mark C. Bates, MD, DSc, FACC, FSCAI, serves on the CeloNova BioSciences Board of Directors.

Dr. Bates is a Professor of Medicine and Surgery at West Virginia University School of Medicine in Charleston, WV. He is considered a thought leader in cardiovascular medicine having authored over 100 manuscripts / book chapters and is frequently, an invited speaker for international meetings. His clinical background includes experience with 1000's of cardiac and vascular procedures over the last 25 years including many clinical trials and first-in-man studies. He founded one of the first true multidiscipline vascular centers in the U.S. that now includes, vascular surgery, cardiology, vascular intervention, vascular medicine, preventive medicine and neurointerventional radiology, all working together in a patient centered model under one roof.

Dr. Bates is also a successful entrepreneur and inventor. His passion in the field of endovascular surgery has resulted in key innovative advances, including intellectual property and over 50 U.S. issued or pending patents in the arenas of embolic protection, nanotechnology, stent design, cell therapy, catheter design, guide-wire design, drug-eluting balloons and local drug delivery. He is a founding member or founder and inventor of several medical technology companies. He has been on the advisory boards for Guidant, Boston Scientific, and Medtronic and has served on the Johnson & Johnson Opinion Leaders Council. He graduated from West Virginia University School of Medicine and completed his Internal Medicine residency at WVU followed by a cardiovascular fellowship at the University of Kentucky where he was retained as a clinical scholar for a year of coronary intervention research. He then did a vascular medicine and endovascular surgery research fellowship at the Dorros-Feuer Interventional Foundation and University of Wisconsin.

VIVA And LINC Are Proud To Present The: VASCULAR CAREER ADVANCEMENT AWARD

Monday, September 19, 2016 – 2:53 pm, General Session

VIVA and LINC have collaborated to develop the Vascular Career Advancement Award to recognize young physicians who show promise as potential leaders in the vascular field and who have been practicing for 10 years or less. Winners are selected for their dedication to a philosophy of multidisciplinary vascular care and improving the care and outcomes of patients with vascular disease.

SAHER SABRI, MD

Dr. Saher Sabri is an interventional radiologist and currently Associate Professor of Radiology and Surgery at the University of Virginia. Originally from Jordan, he is the Chair of the Education Committee and Residency Program Director of the Department of



Radiology and Medical Imaging at UVa. Widely published in the medical literature, he is considered an authority on mesenteric vascular interventions and management of gastric varices. Dr. Sabri is a manuscript reviewer for multiple specialty journals and has been guest editor of Seminars in Interventional Radiology and Techniques in Interventional Radiology.

He has already received numerous honors and awards, including the Charles J. Tegtmeier Award for Clinical Excellence and the Dean's Award for Clinical Excellence bestowed by the School of Medicine at the University of Virginia. Active in national and international organizations, Dr. Sabri is a Fellow of the Society of Interventional Radiology (FSIR) and serves the organization in numerous important roles, including as Chair of the Interventional Radiology Residency Implementation Subcommittee. This is a particularly critical responsibility as the IR residency is inaugurated nationally this year. Globally, he is engaged in a variety of medical societies and was Chairman of the 2016 Annual Meeting Committee of the Pan Arab Interventional Radiology Society (PAIRS). Dr. Sabri completed radiology residency training at the University of Iowa before pursuing a fellowship in interventional radiology at the University of Virginia.

ANTONIO MICARI, MD, PhD

Dr. Antonio Micari is an Interventional Cardiologist, responsible for the CLI Program at Maria Cecilia Hospital (Cotignola - Ravenna) and until 2015 was a Co-Director of Invasive Cardioangiography at Maria Eleonora Hospital (Palermo). He is considered one of the leading international specialists in the peripheral arterial disease space and in limb salvage in patients with diabetic foot syndrome.

He has developed particular expertise in carotid vessel angioplasty to prevent ischemic stroke and in aortic (thoracic and abdominal) aneurysmal disease. Dr. Micari is a reviewer for several prestigious international cardiology and vascular disease journals and he is the author of about 150 scientific publications including on the use of drug-eluting balloons for femoral and below the knee vessel angioplasty. He has served as Principal Investigator for several clinical research studies. His scientific research work has been recognized by the "Scientific Society of Cardiology – Aventis Foundation," the European Association of Echocardiography and the National Congress of Scientific Invasive Cardiology (GISE). Dr. Micari is active in national and international organizations, and he is a member of the Italian Invasive Cardiology Association and he is Board Director of National Annual Meeting (GISE).



eVIVA NEWSLETTER

Subscribe to VIVA's new vascular e-bulletin!

Every month, we'll deliver a succinct report on advancements in the field of vascular medicine and intervention.

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A current list of supporters and exhibitors is available at www.vivaphysicians.org/supporterexhibitorlist

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RESERVATIONS

A block of rooms has been reserved at Wynn Las Vegas for guests attending VIVA 16. After completing registration, a link will be included in your confirmation email where you will be able to book a room. You may reserve a room between Friday, September 16 and Thursday, September 22 at a discounted rate of **\$219 per night** plus tax (currently 12%). A charge of \$50 per night will be added for each guest over double occupancy.

Reservations will be accepted until the cut-off date of **August 25, 2016** at 5pm, or until the block fills, whichever comes first. We highly suggest registering and making hotel reservations as soon as possible as the room block fills up quickly. After the room block fills and no later than August 25th, reservations and/or changes will be subject to availability. Room reservations are available on a first-come, first-served basis and may sell out before August 25, 2016. A **non-refundable deposit** of the first night's room and tax will be required to confirm all reservations.

Please visit www.vivaphysicians.org/accommodations for the most updated information.

REGISTRATION HOURS

On-Site Registration and Check-In hours
(at Registration Desk 2):

Friday, September 16 3:00 pm - 5:00 pm
Saturday, September 17 6:45 am - 5:30 pm
Sunday, September 18 6:45 am - 5:30 pm
Monday, September 19 6:00 am - 5:30 pm
Tuesday, September 20 7:30 am - 5:30 pm
Wednesday, September 21.... 7:30 am - 5:30 pm
Thursday, September 22 7:30 am - 12:00 pm

EXHIBIT PAVILION HOURS

Monday, September 19 7:00 am – 5:30 pm
Tuesday, September 20 9:00 am – 5:30 pm
Wednesday, September 21..... 9:00 am – 3:45 pm

TUITION PRICES FOR REGISTRATION

Tuition fees include all course materials, attendance to all sessions, including the exhibit pavilion and welcome reception, and access to Virtual VIVA. *Payment in full by credit card is required at the time of registration.*

VIVA REGISTRATION

\$1,445 Physician (U.S. or International)
Prime: \$1,445 (through August 15)
Standard: \$1,545 (beginning August 16)
International Physicians may attend online through Virtual VIVA for \$395

FREE U.S. Physician-in-training (Fellows & qualifying residents) Participating in the Face-Off Competition
Must submit Face-Off presentation no later than August 1 to receive FREE tuition to VIVA 16. To apply for a scholarship covering hotel and travel costs, the Face-Off presentation and scholarship application must be submitted no later than August 1.

\$1,295 U.S. Physician-in-training (Fellows & qualifying residents) Not Participating in the Face-Off Competition
See U.S. Physician pricing above

\$895 Active Duty Military Physician*
Prime: \$895 (through August 15)
Standard: \$1,045 (beginning August 16)
Attend VIVA Online (through Virtual VIVA): FREE
**Must provide verification of active duty status at time of registration*

\$695 International Physicians Participating in the Face-Off Competition
In order to participate in the Face-Off Competition at the discounted rate, your Face-Off presentation must be submitted in final form no later than August 1. If your presentation is not received by August 1, your registration will be cancelled, minus a 15% administrative fee. You may then register to attend at the current physician rate and will no longer be eligible to participate in the Face-Off.

\$795 Nurses / Techs / Healthcare Professionals (Includes Nurses + Techs Symposium and VIVA 16 Conference)
Prime: \$795 (through August 15)
Standard: \$945 (beginning August 16)

\$995 Industry Professional (non exhibitor)
Prime: \$995 (through August 15)
Standard: \$1,145 (beginning August 16)

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WWW.VIVAPHYSICIANS.ORG

REFUNDS/CANCELLATION POLICY

Cancellation Policy: Cancellations through your on-line account by July 29, 2016 will be accepted less a 15% administrative fee. Refunds are not available within 48 hours of registration to allow for credit card settlement. Once registration is cancelled in your on-line account, refunds will be settled within 7 days. NO refunds will be given after July 29, 2016. Refunds or credits will not be given for failure to attend, late arrival, unattended events, or early departure.

VIVA Physicians is not responsible for airfare, housing, or other costs incurred by participants in the event of program or registration cancellation. Fax your cancellation notification to VIVA Cancellation at 408-225-3240, mail your cancellation notification to VIVA Cancellation at 5671 Santa Teresa Blvd, Suite 104, San Jose, CA 95123, or cancel your registration in your registration account by July 29, 2016 in order to receive a partial refund.

Please note, in the event that VIVA 16 is abbreviated or canceled because of circumstances beyond the control of VIVA Physicians, including, but not limited to, civil disturbance, earthquake, electrical outage, explosion, fire, freight embargo, strike or labor unrest, flood, hurricane, tornado, or other acts of God, an act of war, terrorism, or the act of any government (de facto or de jure), or any government agency or official, VIVA Physicians reserves the right, at its sole discretion, to unilaterally terminate the symposium. In these circumstances, the registrant expressly agrees to waive any claim that he, she, or it may have against VIVA Physicians for damages or compensation, including, but not limited to, fees for registration, housing, airfare, and/or incidental charges.

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