

THE GLOBAL EDUCATION COURSE FOR
VASCULAR MEDICINE AND INTERVENTION

15^{TH ANNUAL}
CONFERENCE

V I V A 17

VASCULAR INTERVENTIONAL ADVANCES

SEPTEMBER 11-14, 2017
WYNN LAS VEGAS

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 15 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 the use of cutting-edge educational technology, VIVA provides a lively, 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 limitations in the care of vascular patients.

With multiple learning venues and formats, intense and focused education, the latest in advanced technology, hands-on workshops, global live cases, and the latest clinical data presentations, VIVA 17 is a must-see educational event for the dedicated vascular specialist!

HIGHLIGHTS

NURSES + TECHS

THE
VEINS

VIVA
FACE-OFF

VIVA 2017
STRATEGIES ON THE FRONTLINE

THE
ROUNDTABLE

PHARMACO
RX

VIVA
DEBATES

MORNING TRACKS

DEEP-DIVE &
CASE COMPLICATIONS

CLI: CRITICAL
LIMB ISCHEMIA

LATE-BREAKING
CLINICAL TRIALS
& LIVE CASES

IMPORTANT DATES

REGISTRATION

Prime: UNTIL TUESDAY, AUGUST 8
Standard: AFTER AUGUST 8

LAST DAY TO BOOK HOTEL

(if available):
WEDNESDAY, AUGUST 16

VIVA FACE-OFF

COMPETITION

U.S. Fellows, physicians-in-training and international physicians deadline to register:

FRIDAY, JULY 21

U.S. Fellows & physicians-in-training scholarship submission deadline:

WEDNESDAY, JULY 26

FACE-OFF PRESENTATIONS DUE:

WEDNESDAY, JULY 26

WATCH THE RECAP VIDEO!

LEARN MORE ABOUT THE
VIVA EXPERIENCE!



SCAN QR CODE
TO VIEW



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ACCREDITATION

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 physician assistants).



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

- Understand the current indications, risks, complications, and outcome of medical, interventional, and surgical therapies for the treatment of peripheral arterial and venous diseases.
- Incorporate advanced medical, endovascular, and surgical techniques and approaches into their own practices to improve the care and outcomes of patients.
- Implement high quality guidelines based programs to improve the early identification and care of patients with non-cardiac vascular conditions.
- Increase knowledge in critical decision-making and the comprehensive spectrum of care for patients with stroke and intracranial and extracranial carotid artery disease.
- Improve the delivery of balanced and scientifically valid vascular care in accordance with expert opinion and practice.
- Utilize strategies learned from the meeting including endovascular technologies, open surgical techniques, and hybrid approaches, for the treatment of patients with aortic diseases.
- To gain and employ decision making and procedural strategies and techniques in patients with aortic and visceral aneurysms, dissections, deep venous thrombosis, venous insufficiency and pulmonary embolism.
- Enhance the understanding and treatment skills across the entire range of venous physiology, anatomy, diseases, and management options.
- 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.



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 Jacobs School of Medicine and Biomedical Sciences and VIVA Physicians. The University at Buffalo Jacobs School of Medicine and Biomedical Sciences is accredited by the ACCME to provide CME for physicians. The UB Jacobs School of Medicine & Biomedical Sciences designates this live activity for a maximum of **30.5 AMA PRA Category 1 Credit(s)™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MONDAY: Aortic Armageddon - 3.5 / Critical Limb Ischemia - 3.5 / PharmacoRX - 3.75 / Nurses + Techs - 6.25

TUESDAY: Venous Track - 1 / CLI Track - 1 / Global Theater - 6.75 / The Roundtable - 3.75 / Nurses + Techs - 3.75

WEDNESDAY: Aortic Track - 1 / CLI Track - 1 / Global Theater - 6.75 / The Roundtable - 4 Nurses + Techs - 3.75 / Hands-On - 0.5

THURSDAY: Venous Track - 1 / CLI Track - 1 / Global Theater - 6.75 / The Roundtable - 5.75



CE ACCREDITATION

The target audience for Nurses + Techs: Life on the Frontline, a CE activity, is 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:**
- List successful methods to decrease patient complications related to different imaging modalities
 - Review future options available for imaging of lower extremities to reduce complications
 - Discuss devices, techniques and complications of endovascular interventions done for CLI patients
 - Perform an accurate vascular assessment pre and post intervention
 - Review challenging cases in high risk patients with dissections, genetic disorders, and venous anomalies
 - Discuss maintaining an outpatient endovascular suite efficiently in regards to staffing, cost, and databases
 - Utilize a team approach to maintain a renal dialysis access
 - Discuss utilizing APP's to extend Outpatient Access

- TUESDAY:**
- Review current outcomes and research in carotid stenting
 - Review the importance of monitoring hypertension and neuro assessments pre and post endovascular intervention
 - Optimizing outcomes for patients with CLI using a variety of devices and technique
 - Discuss current treatment modalities for venous procedures

- WEDNESDAY:**
- Discuss evolving aortic techniques present and future
 - Review complex treatment options for difficult aortic anatomy
 - Discuss an interdisciplinary approach to the treatment and work up for DVT
 - Review current use of IVC filters, techniques, treatment and follow up



TO CLAIM CME/CE CREDITS:

Beginning on Thursday, September 14, 2017 attendees can log on to www.vivaphysicians.org/cme17 to claim educational credits.

NURSES: This activity has been submitted to the American Association of Critical-Care Nurses (AACN) for approval to award contact hours. The American Association of Critical-Care Nurses is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's Commission on Accreditation. 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: 8:00 am – 4:15 pm

TUESDAY: 10:45 am – 12:00 pm AND 2:15 – 4:45 pm

WEDNESDAY: 10:45 am – 12:00 pm AND 2:15 – 4:45 pm

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 16.5 Category A credits. In order to receive credits, you must attend the entire session as outlined below:

MONDAY: 8:00 am – 4:15 pm / 7.5 Category A credits

TUESDAY: 10:45 am – 12:00 pm AND 2:15 – 4:45 pm / 4.5 Category A credits

WEDNESDAY: 10:45 am – 12:00 pm AND 2:15 – 4:45 pm / 4.5 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 (8:00 am – 4:15 pm) and/or Tuesday (10:45 am – 12:00 pm AND 2:15 – 4:45 pm) and/or Wednesday (10:45 am – 12:00 pm AND 2:15 – 4:45 pm) to claim credit.

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.

UNLABELED PRODUCTS AND/OR PROCEDURES

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.

SOCIAL MEDIA DISCLAIMER

VIVA Physicians, Inc. (VPI) accepts comments and discussions via our social media outlets related to vascular education. VPI does not solicit nor endorse any comment which may be posted, and comments, likes, or follows do not express the opinion or views of VPI. VPI will remove any information, discussion, comment, and material that we deem to be inappropriate and/or which violates our policy to protect patient identities. All commentary with a promotional purpose for a service, device, or technology will be removed immediately. VPI assume no liability for information posted or presented by others, and only endorses comments and postings provided directly by VPI. If you wish to report any violation of the above policy, please contact marketing@vivaphysicians.org.

MEDICAL JUDGMENT DISCLAIMER

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 AT-A-GLANCESUNDAY
09.10.17MONDAY
09.11.17TUESDAY
09.12.17WEDNESDAY
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CLI TRACK
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ARMAGEDDON**CLI: CRITICAL**
LIMB ISCHEMIAAORTIC
P 12CLI
P 11**PHARMACORX**PHARMACORX
P 13**LATE-BREAKING**
CLINICAL TRIALS
& LIVE CASESLATE-BREAKING CLINICAL TRIALS
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CASE COMPLICATIONS
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WINNER'S CIRCLE
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MONDAY, SEPTEMBER 11, 2017



CLI: CRITICAL LIMB ISCHEMIA

Critical limb ischemia (CLI) continues to challenge our practices, with almost 120,000 amputations in the U.S. each year. This dedicated pre-course, always packed and now in its 5th year, provides a comprehensive review of the most "critical" things to know when treating patients with ischemic limbs. Emerging data and ground-breaking techniques are highlighted in presentations and case reviews, and will change the way your "CLI Team" cares for these complex patients.

1:15 PM - 2:45 PM

IMPROVING CLI CARE: WHO, WHAT, AND WHY

Co-Moderator: **Kenneth Rosenfield, MD; John Rundback, MD**

Course Introduction and Welcome **John Rundback, MD**

Why is CLI So Important? Addressing the Epidemic **Heather Gornik MD**

What Should a "CLI Center of Excellence" Look Like - Considerations From the VIVA Vascular Leaders Forum (VLF)
John Rundback, MD

Successful Systems Strategies for Improving CLI Care and Engaging the Disengaged **Christopher White, MD**

What Factors Favorably and Unfavorably Affect Limb Salvage After Intervention? **Osamu Iida, MD**

Appropriate use and the Future of Pedal Perfusion Assessment: Comparing TcPO₂, SPP, Profusa, Pedra, Moxy, and Spy
Miguel Montero-Baker, MD

Why BEST-CLI and Active Registries Are Important and When can we Expect to Know the Data? **Matthew Menard, MD**

What Does Registry and Meta-Analytic Data Inform us About CLI Treatment Outcomes - What is Known and What is Unknown? **Bruce Gray, DO**

Is There Such a Thing as Futility? Understanding and Using Wi-Fi and Other Grading Criteria **Darren Schneider, MD**

Case Presentation - Perfusion in Practice **Miguel Montero-Baker, MD**

2:45 - 3:05 PM

REFRESHMENT BREAK & EXHIBITS

3:05 - 4:20 PM

TIBIAL TRICKS OF THE TRADE

Co-Moderator: **Tony Das, MD; Bret Wiechmann, MD**

A Broad Overview of Treatment Strategies for CLI **John Rundback, MD**

The Inventory for Basic and Advanced Tibial CTO Crossing - Must Have, Wish we had, and Blue Moon Technologies
Bret Wiechmann, MD

Crossing and Treating Hard Calcified Small Arteries **Donald Jacobs, MD**

BTK Atherectomy Tools and Results **James McKinsey, MD**

Update on Tibial Drug Delivery Using DCB's and Direct Injection Platforms **Lawrence Garcia, MD**

Tibial Drug-Eluting Stents - Existing and Emerging Data **Konstantinos Katsanos, MD**

Infrapopliteal Bioabsorbable Platforms. Will They Have an Expanding Role? Are There Medical Therapies That can Improve

Durability of CLI Interventions? **Richard Powell, MD**

Case Presentation - Dense Calcification **Jihad Mustapha, MD**

4:20 - 5:15 PM

STRATEGIES FOR SUCCESS AND SALVAGE

Co-Moderator: **Daniel Clair, MD; Krishna Rocha-Singh, MD**

Multivessel, Single Vessel Or Staged Intervention - How to Decide **Murray Shames, MD**

Treating as Much as Possible is Mandatory for Best Results **Robert Beasley, MD**

Subintimal Tools, Techniques and Decision Making **TBD**

Transpedal Decision Making - Case Planning, Imaging, Devices and Skills to Assure Success **Arthur Lee, MD**

Deep Venous Arterialization. Ready for Prime Time Soon? **Daniel Clair, MD**

The Present and Future of Gene, Growth Factor and Cell Therapies - Science Or Science Fiction? **Mehdi Shishehbor, DO**

Case Presentation - Pedal Access Case **Osamu Iida, MD**



AORTIC ARMAGEDDON

For operatives that like to work in the aortic space, you wouldn't want to miss out on the Aortic Armageddon. This unique aortic session will bring together expert operatives who will share their best and worst aortic cases from the ascending aorta to the iliac bifurcation and focus discussions on complications, bailouts, and lessons learned. Aortic Armageddon is designed to be an intimate no-nonsense case-based session where the audience has the opportunity to challenge the experts and take a deep dive in managing all aspects of aortic intervention – a state-of-the-art discussion you wouldn't want to miss.

1:15 - 2:45 PM

HOPE-YOU-NEVER-SEE-SCENARIOS

Co-Moderator: **Manish Mehta, MD; Peter A. Schneider, MD**

Course Introduction and Welcome **Manish Mehta, MD**

Type A Aortic Dissection TEVAR **Matthew Eagleton, MD**

Parallel Stent Graft Arch TEVAR **Jason Lee, MD**

Branch Stent Graft Arch TEVAR **Cherrie Abraham, MD**

Inadvertent Great Vessel Coverage During TEVAR **Jean Panneton, MD**

Lost in the TBAD False Lumen **John Laird Jr., MD**

Managing Intermittent Spinal Cord Hypoperfusion After TEVAR **Manish Mehta, MD**

Ruptured TEVAR **James McKinsey, MD**

Dealing With Anomalous Thoracic Aortic Anatomy **Michael Dake, MD**

Intramural Hematoma From Hell **David Williams, MD**

2:45 - 3:05 PM

REFRESHMENT BREAK & EXHIBITS

3:05 - 4:05 PM

AORTIC NIGHTMARE

Co-Moderator: **Sean Lyden, MD; Peter A Schneider, MD**

Hostile Neck Fenestrated EVAR 1 **Matthew Eagleton, MD**

Visceral Malperfusion During Fenestrated Branched EVAR **Martin Back, MD**

Hostile Neck Parallel Stentgraft EVAR **David Minion, MD**

Visceral Artery Cannulation Struggle During Parallel Stentgraft EVAR **Darren Schneider, MD**

Acute Aortic Occlusion? Now What? **Daniel Clair, MD**

Angulated Aortic Neck that Looked Easy to Tackle **Robert Lookstein, MD**

Another Standard Ruptured EVAR? Hmmm! **Peter A. Schneider, MD**

4:05 - 5:15 PM

CRISIS MANAGEMENT

Co-Moderator: **John Kaufman, MD; Manish Mehta, MD**

Stent Graft Limb Occlusion **Armando Lobato, MD, PhD**

Another Straightforward Stent Graft Explant **Daniel Clair, MD**

The Mother of all EVAR Failures **Joseph Lombardi, MD**

Visceral Stent Graft Kinks, Strictures, and Occlusions **Constantino Peña, MD**

Large Bore Sheath Percutaneous Closure Complications **John Rundback, MD**

End Leak Beyond Comprehension **John Kaufman, MD**

Gutter End Leaks **David Minion, MD**

Mycotic Aortic Aneurysm **Sean Lyden, MD**



VIVAFOCUS Attendance at this Monday session is included in your tuition.

MONDAY, SEPTEMBER 11, 2017 (CONTINUED)

PHARMACORX

The management of patients with vascular disease requires a comprehensive approach, ranging from medical therapy to intervention and surgery. Medical therapy is especially important, for it treats the underlying condition and modifies the impact of interventional therapies. In these sessions, we will review the well-known and lesser-known aspects of medical therapy for peripheral artery disease, abdominal aortic aneurysm, and venous thromboembolism to provide clinical pearls for the practitioner. The PharmacoRX session will provide an interactive series of discussions to engage the vascular interventionist to improve the overall standard of care and outcome of the intervention for each of the major vascular diseases.

7:45 - 9:35 AM	VASCULAR PHARMACOTHERAPY Co-Moderator: D. Christopher Metzger, MD; Richard Powell, MD
	Course Welcome and Introduction Joshua Beckman, MD
	What is the Appropriate Medical Therapy for Type B Aortic Dissection Alan Lumsden, MD
	Can Medical Therapy Slow Aneurysm Expansion Rates? Manish Mehta, MD
	What is the Right Antiplatelet Therapy for Symptomatic Carotid Artery Disease? William Gray, MD
	Anticoagulation in Carotid Stenting D. Christopher Metzger
	What is the Profile of the PE Patient Who Needs Systemic or Catheter-Based Thrombolysis? Samuel Goldhaber, MD
	What is the Optimal Duration of Anticoagulation for a First Idiopathic DVT or PE? Esther Kim, MD
	What is the Best DOAC and Why for DVT? Steven M. Dean, DO
	DOAC Antidotes: What Are They and When Should we Use Them? Joshua Beckman, MD
	When Should we Use Bridging Anticoagulation Before a Percutaneous Procedure? Richard Powell, MD
	Novel Cancer Therapies and Vascular Disease Gregory Piazza, MD
	Another Autologous Stem Cell Trial for CLI Has Failed: What is Next for the Field? Krishna Rocha-Singh, MD
	Panel Discussion and Wrap-Up Joshua Beckman, MD; Steven M. Dean, DO; Samuel Goldhaber, MD; William Gray, MD; Esther Kim, MD; Alan Lumsden, MD; Manish Mehta, MD; Krishna Rocha-Singh, MD

9:35 - 10:00 AM	REFRESHMENT BREAK & EXHIBITS
	10:00 AM - 12:00 PM PHARMACOTHERAPY IN PAD Co-Moderator: Ehrin Armstrong, MD; Raghu Kolluri, MD
	Is Aspirin Really a Class I Medication in PAD? Heather Gornik, MD
	Ticlopidine, Clopidogrel, and Ticagrelor: Any Role for P2Y12 Therapy in PAD? James Froehlich, MD
	Vorapaxar: Why, When, and in Whom? Marc Bonaca, MD
	What is Complete Medical Therapy in PAD and Does it Impact Outcomes? Ehrin Armstrong, MD
	PCSK-9 Therapy in PAD Esther Kim, MD
	When is Anticoagulation Appropriate for PAD? Raghu Kolluri, MD
	Pharmacotherapy for Smoking Cessation John Laird Jr., MD
	What is the Amputation Risk With the SGLT2 Inhibitors in Diabetes? Joshua Beckman, MD
	Does Cilostazol Reduce Restenosis in Peripheral Intervention? Yoshimitsu Soga, MD, PhD
	Panel Discussion and Wrap-Up Joshua Beckman, MD; Marc Bonaca, MD; James Froehlich, MD; Heather Gornik, MD; Esther Kim, MD; John Laird Jr., MD; Yoshimitsu Soga, MD, PhD

HARMONIZATION BY DOING

VIVA is pleased to host, for the first time, The Harmonization by Doing (HBD) session on Monday, September 11. Harmonization by Doing is an academic, governmental, and industrial consortium, established in 2003 to streamline processes of global medical device development. The objective of HBD is to provide a forum for collaboration between Japanese and US regulators, industry, and academic clinicians, where all stakeholders can engage in open discussions toward the identification and resolution of obstacles to conducting global clinical trials and harmonization of regulatory processes. The intent of HBD is not simply to create guidance and discuss policy but to develop common protocols for investigational clinical studies that would allow safe and effective breakthrough cardiovascular technologies to benefit patients worldwide. Harmonization by Doing aims to fulfill its mission through practical experience - that is, by doing - and sharing lessons learned from these experiences. This is achieved through proof-of-concept projects, in which specific challenges are identified and potential solutions are tested. The current membership of HBD includes members of the FDA, Japan's MHLW/PMDA, US industry, Japanese industry, US cardiovascular academia, and the Japanese academic community from cardiovascular fields.

1:45 - 2:15 PM IMPORTANCE OF GLOBALIZATION

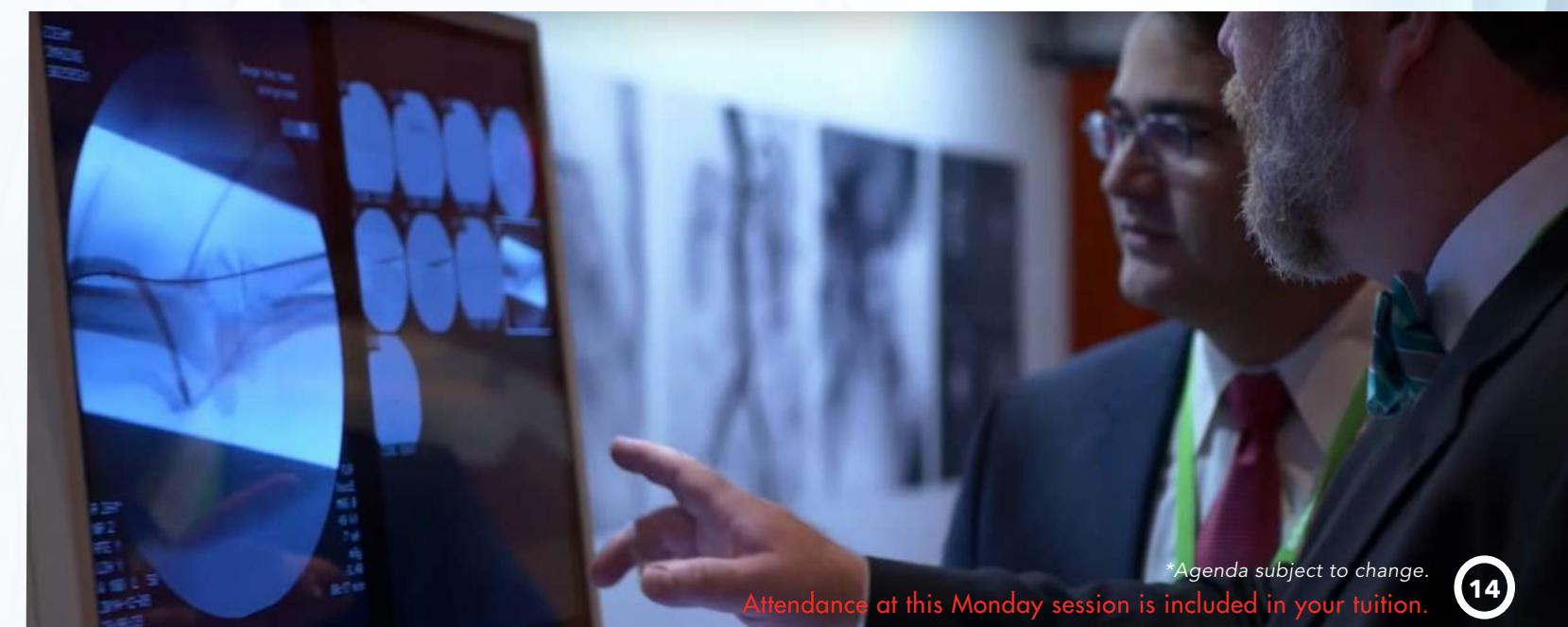
What is Harmonization by Doing? History and Future **Neal Farnot, PhD**
Impact Made Through HBD Efforts: Zilver PTX **Neal Farnot, PhD**

2:15 - 4:00 PM CLI DEVICES

Overview of Clinical Practices and Patient Demographics/Symptoms Across US, Japan and EU **Osamu Iida, MD**
Global Clinical Trial Design and Endpoints for CLI Trials **Hiroyoshi Yokoi, MD**
Evaluation and Use of Atherectomy Devices for CLI in US, Japan, and EU: Industry View **Brad J. Martinsen, PhD**
Points To Consider in the Review of Endovascular Treatment Devices: Regulatory View
Co-Presenter: **Donna Buckley, MD; Shin Iwamoto, PhD**
Panel Discussion and Wrap-Up **Shin Iwamoto, PhD; Misti Malone, PhD; Brad J. Martinsen, PhD; Hiroyoshi Yokoi, MD**

4:00 - 5:30 PM GLOBALIZATION OF ENDOVASCULAR DIALYSIS ACCESS-RELATED DEVICES

The Current Situation for Vascular Access for Dialysis in US **Bart Dolmatch, MD**
The Current Situation for Vascular Access for Dialysis in Japan **Hiroyoshi Yokoi, MD**
New Innovative Endovascular Dialysis Access-Related Devices **Paul Kreienberg, MD**
Panel Discussion and Wrap-Up **Kenneth Cavanaugh, PhD; Neal Farnot, PhD; Shin Iwamoto, PhD; Paul Kreienberg, MD; Katherine Kumar, PhD; Hiroyoshi Yokoi, MD**



TUESDAY, SEPTEMBER 12, 2017

MORNING TRACKS CLI TRACK

7:10 - 8:10 AM **HOW TO HANDLE THE HARDEST AND WORST**
Co-Moderator: **Mark Bates, MD; Tony Das, MD**

Course Introduction and Welcome **Tony Das, MD**
Crossing the "Uncrossable" CTO **Tony Das, MD**
Circumnavigation101: Transcollateral Interventions **Mark Bates, MD**
Advanced Subintimal Rendezvous Methods **Kazushi Urasawa, MD, PhD**
Tibial Revascularization with Non-Visible Distal Targets **Arthur Lee, MD**
Hybrid Procedures - Case Selection and Approach **Neal Cayne, MD**
Case Presentation **Tony Das, MD**
Panel Discussion and Wrap-Up **Mark Bates, MD; Neal Cayne, MD; Arthur Lee, MD; Kazushi Urasawa, MD, PhD**

MORNING TRACKS VENOUS TRACK

7:10 - 8:10 AM **SUPERFICIAL VENOUS DISEASE**
Moderator: **Raghu Kolluri, MD**

Introduction and Welcome **Raghu Kolluri, MD**
Contemporary Superficial Venous Treatments - When to Use Which Technique to Achieve Optimal Results **Lowell Kabnick, MD**
Is Compression Therapy Required After Thermal Or Non-Thermal Treatment - Critical Review **Haraldur Bjarnason, MD**
Venous Ulcer Management- Algorithm for Success **Raghu Kolluri, MD**
Anterior Accessory Vein and Intersaphenous Vein Reflux Management **Julianne Stoughton, MD**
Treatment of Small Saphenous Vein - Indications and Caution **Stephen Black, MD**
Klippel Trenaunay Syndrome-Related Superficial Venous Insufficiency and Management **Gregory Piazza, MD**
Panel Discussion and Wrap-Up **Haraldur Bjarnason, MD; Stephen Black, MD; Lowell Kabnick, MD; Gregory Piazza, MD; Julianne Stoughton, MD**

GLOBAL THEATER

8:15 - 8:20 AM **WELCOME TO VIVA** **John Kaufman, MD**

8:20 - 9:05 AM **IMPROVING FEMOROPOLITEAL PATENCY**
Moderator: **Tony Das, MD**

Optimizing Outcomes with Drug Delivery Technology **Krishna Rocha-Singh, MD**
What Are the Options for "Vessel Prep" and How and When Should it be Used - What Does the Data Say? **Thomas Zeller, MD, PhD**
How Should we Treat Really Long and Extremely Complex Femoropopliteal Lesions? **Peter A. Schneider, MD**
Managing Incessant Restenosis Based Upon the Evidence **Tony Das, MD**
Panel Discussion and Wrap-Up **Tony Das, MD; Krishna Rocha-Singh, MD; Peter A Schneider, MD; Thomas Zeller, MD, PhD**

9:05 - 9:10 AM **ATLAS AWARD PRESENTATION (PG 34)**
ATLAS Award Presenter **D. Christopher Metzger, MD**
ATLAS Award Recipient **Nick Hopkins, MD**

9:10 - 9:15 AM **LIVE (LEADER IN ENDOVASCULAR EDUCATION) AWARD (PG 34)**
LIVE Award Presenter **Peter A. Schneider, MD**
LIVE Award Recipient **Thomas Zeller, MD, PhD**

GLOBAL THEATER (CONTINUED)

9:15 - 10:15 AM **LATE-BREAKING CLINICAL TRIALS**

Co-Moderators: **Michael Dake, MD; Tony Das, MD**
Panel: **Donna Buckley, MD; John Kaufman, MD; Sean Lyden, MD; Manish Mehta, MD; Krishna Rocha-Singh, MD**

10:15 - 10:45 AM **REFRESHMENT BREAK & EXHIBITS**

10:45 AM - 12:00 PM **LIVE CASE DEMONSTRATIONS:**
LIVE **OHIOHEALTH/RIVERSIDE METHODIST HOSPITAL, COLUMBUS, OHIO**
Moderator: **Sean Lyden, MD**
Panel: **Ehrin Armstrong, MD; Bruce H. Gray, DO; Jason T. Lee, MD; D. Christopher Metzger, MD; Constantino Peña, MD; Kenneth Rosenfield, MD**

12:00 - 1:15 PM **LUNCH & EXHIBITS / SATELLITE SYMPOSIA**

1:15 - 2:15 PM **LATE-BREAKING CLINICAL TRIALS**

Co-Moderators: **John Kaufman, MD; Peter A. Schneider, MD**
Panel: **Michael Dake, MD; Sean Lyden, MD; Misti Malone, PhD; D. Christopher Metzger, MD; Kenneth Rosenfield, MD**

2:15 - 3:30 PM **LIVE CASE DEMONSTRATIONS:**
LIVE **AUCKLAND HOSPITAL, AUCKLAND, NEW ZEALAND**

Moderator: **Tony Das, MD**
Panel: **Daniela Branzan, MD; Daniel Clair, MD; Alan Matsumoto, MD; Peter A. Schneider, MD; Mitchell Silver, DO**

3:30 - 4:00 PM **REFRESHMENT BREAK & EXHIBITS**

4:00 - 4:45 PM **VENOUS**
Moderator: **Raghu Kolluri, MD**
Does Thrombolytic Therapy Work in Acute Iliofemoral DVT? Results From the ATTRACT Trial **Suresh Vedantham, MD**
IVC Recanalization Indications and Strategies **TBD**
Should we be Using IVC Filters at all? **Samuel Goldhaber, MD**
Update on New Technologies in Management of Superficial Venous Insufficiency **Raghu Kolluri, MD**
Pulmonary Embolism - What Are the Meaningful Measures of Patient Outcome **Gregory Piazza, MD**
Optimizing the Treatment Algorithm for Submassive PE; Are all Patients the Same? **Joshua Beckman, MD**
Panel Discussion and Wrap-Up **Joshua Beckman, MD; Samuel Goldhaber, MD; Gregory Piazza, MD; Suresh Vedantham, MD**



4:45 - 5:15 PM

PRESIDENT'S DEBATE

Co-Moderator: **John Rundback, MD; Peter A. Schneider, MD**

Dr. Michael Dake vs. Dr. Christopher White

*Agenda subject to change.

TUESDAY, SEPTEMBER 12, 2017 (CONTINUED)

DEEP-DIVE

8:20 - 9:15 AM

CTO COURSE

Moderator: **Manish Mehta, MD**

- Iliac CTO -- Approaches, Tools, Advanced Techniques **Robert Lookstein, MD**
- Femoral CTO With Flush Occlusion -- A Stepwise Approach **Lawrence A. Garcia, MD**
- Crossing The Calcified CTO Using Subintimal, Intraluminal And CART/rCART **Robert Bersin, MD**
- Infrapopliteal CTO's...Whats The Best Approach? **Murray Shames, MD**
- Chronic DVT Occlusion -- Avoiding Pitfalls Approaches That Work **Constantino Peña, MD**
- Panel Discussion and Wrap-Up **Robert Bersin, MD; Lawrence A. Garcia, MD; Robert Lookstein, MD; Constantino Peña, MD; Murray Shames, MD**

10:45 - 11:20 AM

DIFFICULT ACCESS

Moderator: **Michael Dake, MD**

- Innovative Aortic Access **Darren Schneider, MD**
- Challenging Venous Access **Bret Wiechmann, MD**
- Creative Lower Extremity Arterial Access **Jihad Mustapha, MD**
- Panel Discussion and Wrap-Up **Jihad Mustapha, MD; Darren Schneider, MD; Bret Wiechmann, MD**

11:25 AM - 12:00 PM THROMBECTOMY

Moderator: **John Rundback, MD**

- Insights into the Pathophysiology of Thrombus and Implications for Management...Why is Clot Removal so Difficult? **Samuel Goldhaber, MD**
- The Impact of New Devices and Strategies on how we Perform Percutaneous Arterial Thrombectomy **Mark Burkett, MD**
- What are the Take-Home Messages From ATTRACT and how Should They Affect Your Practice? **Suresh Vedantham, MD**
- Panel Discussion and Wrap-Up **Mark Burkett, MD; Samuel Goldhaber, MD; Suresh Vedantham, MD**

4:00 - 4:45 PM

IVC FILTER REMOVAL

Moderator: **John Kaufman, MD**

- Fixing/Removing Dislodged, Misplaced and Malpositioned Filters **Constantino Peña, MD**
- Filter-Related Caval Thrombosis Management **Bruce Gray, DO**
- When and How to Remove the Chronically Embedded Non-clotted IVC Filter **Brian DeRoberstis, MD**
- Transfilter Stenting and Other Techniques for Chronic Iliocaval Filter Obstructions **Esther Kim, MD**
- Panel Discussion and Wrap-Up **Brian DeRoberstis, MD; Bruce Gray, DO; Esther Kim, MD; Constantino Peña, MD**

CASE COMPLICATIONS

2:15 - 2:50 PM

ACCESS COMPLICATIONS

Moderator: **John Kaufman, MD**

- Radial Access Mishaps and Solutions **William Gray, MD**
- What to Do with the Bleeding Access, Especially for Large Bore Cases, and What's Next to Prevent This **James Zidar, MD**
- Overcoming Tibial Access Challenges - Difficult Punctures, Dissections and Perforations, Flow Obstruction **Arthur Lee, MD**

2:55 - 3:30 PM

FEMOROPOPLITEAL INTERVENTION COMPLICATIONS

Moderator: **John Rundback, MD**

- Acute Arterial Thrombosis? Avoiding This, and Next Steps When it Happens **Robert Schainfeld, DO**
- Salvage of Worsening Ischemia Due to Dissection Or Embolization with Compromise of Outflow **William Gray, MD**
- Resolving Vessel Perforation and Bleeding **Miguel Montero-Baker, MD**

WEDNESDAY, SEPTEMBER 13, 2017

MORNING TRACKS AORTIC TRACK

7:10 - 8:10 AM

AORTIC CONTROVERSIES

Moderator: **Sean Lyden, MD**

- Course Introduction and Welcome **Sean Lyden, MD**
- Pitfalls to Avoid When Working Outside the IFUs During EVAR **Richard Powell, MD**
- A Strategic Approach to Managing EVAR Failures **Matthew Eagleton, MD**
- What Will it Take to Implement a Successful Endovascular-Only Approach for Ruptured AAA **Martin Back, MD**
- Type B Aortic Dissections - Lessons Learned and the Road Ahead **Robert Morgan, MD**
- Predicting Stroke During Zone 0-1-2 TEVAR and the Evolving Role of Cerebral Embolic Protection Devices **Robert Rhee, MD**
- Intramural Hematoma and Penetrating Aortic Ulcers - When to Intervene and How? **Joseph Lombardi, MD**
- Panel Discussion and Wrap-Up **Martin Back, MD; Matthew Eagleton, MD; Joseph Lombardi, MD; Robert Morgan, MD; Richard Powell, MD**

MORNING TRACKS CLI TRACK

7:10 - 8:10 AM

RESOLVING CLI COMPLICATIONS

Co-Moderator: **Robert Lookstein, MD; Jihad Mustapha, MD**

- Course Introduction and Welcome **John Rundback, MD**
- Pedal and Metatarsal Access for Primary Or Bailout Therapy **Jihad Mustapha, MD**
- Extensive Dissection and Perforation **Konstantinos Katsanos, MD**
- Embolization, Spasm and Unsatisfactory Flow **Robert Lookstein, MD**
- Acute Arterial Thrombosis **Bruce Gray, DO**
- Intraoperative Bleeding, Conduit Failure and Compartment Syndromes **Darren Schneider, MD**
- Case Presentation **Konstantinos Katsanos, MD**
- Panel Discussion and Wrap-Up **Bruce Gray, DO; Darren Schneider, MD**

DISRUPTIVE TECHNOLOGY FOR ENDOVASCULAR THERAPY

8:15 - 9:15 AM

Co-Moderator: **Tony Das, MD; Juan Granada, MD**

- Since the introduction of the term "disruptive innovation" by Harvard Business School Professor Clayton M. Christensen in 1995, new technology which improves patient diagnosis or treatment and adds greater value to a field, has long fascinated leaders in that space. New technology has been the life-blood of medical education and we at VIVA 2017 embark on a new series called the Disruptive Technology Summit (#DTS@VIVA) where creative start-up companies can showcase their solutions for unmet clinical needs in the vascular space. This year, we feature at least 4 early stage companies with significant IP, a compelling story and technology which may be the future of our field if YOU, the audience find it promising. Join us to vote on the most likely to succeed in this competitive and quickly moving space of vascular and endovascular therapy at DTS at VIVA 2017. Don't miss it!

WEDNESDAY, SEPTEMBER 12, 2017 (CONTINUED)

HANDS-ON WORKSHOP

8:15 - 9:15 AM	VEIN ABLATION
	Moderator: John Kaufman, MD
	Course Introduction and Welcome John Kaufman, MD
	EVLA Station - Taped case/Important steps Fritz Angle, MD
	Mechanico-Chemical Ablation - Taped case/Important steps TBD
	Cyanoacrylate glue - Taped case/ Important steps Raghu Kolluri, MD
	Percutaneous Micro Foam Ablation - Taped case/Important steps Mark Adelman, MD
	RFA - Taped case/Important steps Stephen Black, MD
	EVLA Station Fritz Angle, MD
	Mechanico Chemical Ablation Station TBD
	Percutaneous Microfoam Ablation Station Mark Adelman, MD
	RFA Station Stephen Black, MD
	Venaseal Cyanoacrylate Glue Station Raghu Kolluri, MD

GLOBAL THEATER

8:15 - 8:20 AM	REVIEW OF TUESDAY LIVE CASES
	Speaker: Gary Ansel, MD
8:20 - 9:15 AM	AORTA
	Moderator: Gary Ansel, MD
	Management of Uncomplicated Type B Dissections: Robert Morgan, MD
	Parallel Grafts vs. Fenestrated Grafts? Critical Decision Making: David Minion, MD
	AAA Management - is EVAR Durable and When is Open Repair Indicated? Results From Historical and Contemporary Trials Mark Conrad, MD
	What is the Future of Aortic Intervention?: Matthew Eagleton, MD
	Panel Discussion and Wrap-Up Mark Conrad, MD; Matthew Eagleton, MD; David Minion, MD

9:15 - 10:15 AM	LATE-BREAKING CLINICAL TRIALS
	Co-Moderator: John Laird Jr., MD; John Rundback, MD

10:15 - 10:45 AM	REFRESHMENT BREAK & EXHIBITS
10:45 AM - 12:00 PM	LIVE CASE DEMONSTRATIONS: GLENS FALLS HOSPITAL, GLENS FALLS, NEW YORK

19 *Agenda subject to change.

12:00 - 1:15 PM LUNCH & EXHIBITS / SATELLITE SYMPOSIA

1:15 - 2:15 PM	LATE-BREAKING CLINICAL TRIALS
	Co-Moderator: Gary Ansel, MD; John Rundback, MD

Panel: **Joshua Beckman, MD; Kenneth Cavanaugh, PhD; Sean Lyden, MD; D. Christopher Metzger, MD; Peter A. Schneider, MD**

2:15 - 3:30 PM	LIVE CASE DEMONSTRATIONS: GATES VASCULAR INSTITUTE, BUFFALO, NEW YORK
	Moderator: John Rundback, MD

Panel: **Stephen Black, MD; D. Christopher Metzger, MD; Peter A. Schneider, MD**

3:30 - 4:00 PM REFRESHMENT BREAK & EXHIBITS

4:00 - 4:45 PM	NEUROVASCULAR
	Co-Moderator: Nick Hopkins, MD; D. Christopher Metzger, MD

Successful Acute Stroke Interventions - Expanding the Qualified Workforce **Nick Hopkins, MD**

Carotid Artery Stenting in 2017: Proper Technique and Proper Billing **Gary Roubin, MD, PhD**

Intracranial Lesions - How to Evaluate Incidentally Discovered Lesions and Who Needs Treatment? **TBD**

FMD, Dissections And Unusual Carotid Disease Management **Esther Kim, MD**

Aortic Arch Great Vessel Interventions - Indications and Best Techniques **D. Christopher Metzger, MD**

Stroke Protection During Aortic and Valve Procedures **Robert Bersin, MD**

Panel Discussion and Wrap-Up **Robert Bersin, MD; Esther Kim, MD; Gary Roubin, MD, PhD**



DEBATES

4:45 - 5:15 PM	DE-BAIT AND SWITCH
	Co-Moderator: John Rundback, MD; Peter A. Schneider, MD

Dr. Joshua Beckman vs. Dr. William Gray

6:00 - 9:00 PM WELCOME RECEPTION

Wynn Las Vegas' Intrigue Nightclub

You are invited to attend VIVA's Welcome Reception following the conclusion of the day. Please join us 6 - 9 pm for food, drinks, and entertainment at Wynn's 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 badges required.



*Agenda subject to change.

WEDNESDAY, SEPTEMBER 12, 2017 (CONTINUED)

GOVERNMENT REGULATORY SESSION

10:45 AM - 12:00 PM Co-Moderator: **Louis Jacques, MD; John Kaufman, MD**

Welcome and Introduction **John Kaufman, MD**

With a New President and New FDA Chief, What is New at FDA Regarding CDRH? **Misti Malone, PhD**

CMS in a New Government: What are the Pressing Vascular Issues? **Tamara Syrek Jensen, JD**

How to Figure out a Strategy to Work with CMS--Best Methods **Louis Jacques, MD**

Hospitals and Health Systems--Leadership Approaches to the Government **Christopher White, MD**

How Does PMDA Interact with Japanese Vascular Specialists? What can the US Learn?

Vascular Specialty Societies and the Government--Opportunities, Both Real and Missed **Kenneth Rosenfield, MD**

Developing First-in-Human Clinical Trial Strategies for FDA Approval--What are the Steps? **Kenneth Cavanaugh, PhD**

Linking Physician Performance to Government Payment Expectations **Thomas J. Lee, MD**

Panel Discussion and Wrap-Up **Kenneth Cavanaugh, PhD; Misti Malone, PhD; Krishna Rocha-Singh, MD; Kenneth Rosenfield, MD; Tamara Syrek Jensen, JD; Christopher White, MD**

CASE COMPLICATIONS

2:15 - 2:50 PM **EMBOLIZATION MISHAPS AND MANAGEMENT**

Moderator: **Michael Dake, MD**

Avoiding and Treating Non-Target Therapy and DVT During Lymphovenous Malformation Direct Puncture and Embolization **Akhilesh Sista, MD**

Retrieval and Displacement Techniques for Misplaced and Embolized Coils **Robert Morgan, MD**

Visceral Ischemia During Splanchnic Embolization **Saher Sabri, MD**

2:55 - 3:30 PM **COMPLICATIONS OF PE INTERVENTION**

Moderator: **Kenneth Rosenfield, MD**

Catheter Mishaps and Solutions **Jay Giri, MD**

Pressures Dropping, Desatting, Declining Quickly ... What Next? **Subhash Banerjee, MD**

Pulmonary Artery Perforation, Rupture and Hemoptysis Management **Gregory Piazza, MD**

DEEP-DIVE

4:00 - 4:45 PM **IVC RECONSTRUCTION**

Moderator: **Gary Ansel, MD**

How to Avoid and Manage IVC Disruption **Brian DeRubertis, MD**

Strategies for Restoring Patency After Filter-Related Chronic Caval Occlusion **Stephen Black, MD**

The Challenging "Socked-In" Caval Obstruction - Advanced Techniques **Robert Schainfeld, DO**

Panel Discussion and Wrap-Up **Stephen Black, MD; Brian DeRubertis, MD; Robert Schainfeld, DO**

THURSDAY, SEPTEMBER 14, 2017

MORNING TRACKS VENOUS TRACK

7:10 - 8:10 AM

PULMONARY EMBOLISM MANAGEMENT

Moderator: **Kenneth Rosenfield, MD**

Introduction and Welcome **Kenneth Rosenfield, MD**

Practical Approaches for Management of PE - Different Faces of Multi-Disciplinary Teams **Jay Giri, MD**

Predictors of Bleeding in Anticoagulation - How to Manage **Gregory Piazza, MD**

Lysis Protocols for PE **Gary Ansel, MD**

Rationale for PE-TRACT **Akhilesh Sista, MD**

Vortex and ECMO for Large PE **TBD**

Management of PE with Cardiovascular Collapse **Kenneth Rosenfield, MD**

Panel Discussion and Wrap-Up **Gary Ansel, MD; Jay Giri, MD; Gregory Piazza, MD; Akhilesh Sista, MD**

MORNING TRACKS CLI TRACK

7:10 - 8:10 AM

FIXING THE FOOT

Co-Moderator: **John Laird Jr., MD; Matthew Menard, MD**

Course Introduction and Welcome **John Laird Jr., MD**

The Importance of Pedal Arch Intervention **Osamu Iida, MD**

Normal and Variant Arch Anatomy **Arthur Lee, MD**

Angiographic Mapping of the Pedal Arch During Intervention **Arthur Lee, MD**

Pedal Arch Reconstruction - How to be Successful the Majority of the Time **Robert Lookstein, MD**

Distal Bypass Techniques and Results **Matthew Menard, MD**

Case Presentations **Jihad Mustapha, MD**

Panel Discussion and Wrap-Up **Osamu Iida, MD; Arthur Lee, MD; Robert Lookstein, MD**

DEEP-DIVE

8:15 - 9:15 AM

AORTIC DZ

Moderator: **Sean Lyden, MD**

Fenestrated/Branch and Chimney EVAR. How to Decide and Noteworthy Procedural Details **Alan Lumsden, MD**

Managing Large Diameter, Severely Angulated and Reverse Conical Necks **David Minion, MD**

New Grafts for EVAR. Will they Make a Difference and Why? **Robert Bersin, MD**

Complex Endoleak Management - Existing and Emerging Methods **Robert Lookstein, MD**

Zone 1/2 TAA - Combining Endovascular and Surgical Techniques **Joseph Lombardi, MD**

Panel Discussion and Wrap-Up **Robert Bersin, MD; Joseph Lombardi, MD; Robert Lookstein, MD; Alan Lumsden, MD; David Minion, MD**

9:55 - 11:20 AM

EMBOLIZATION TECHNIQUES

Moderator: **Michael Dake, MD**

Expert Treatment of Visceral Aneurysms and Pseudoaneurysms - Embolization and Covered Stents Techniques and Considerations **Vikram Kashyap, MD**

Will Flow-Modulating Stents Change Peripheral and Visceral Aneurysm Management? **Michael Dake, MD**

Advanced Techniques for Peripheral and Pelvic High Flow AVM's **TBD**

Direct Puncture for Lymphovenous Malformations - How to Use Adhesives, Cohesives, and Liquid Embolics **Bruce Gray, DO**

Panel Discussion and Wrap-Up **Bruce Gray, DO; Janice Newsome, MD**

THURSDAY, SEPTEMBER 14, 2017 (CONTINUED)

GLOBAL THEATER

8:15 - 8:20 AM **REVIEW OF WEDNESDAY LIVE CASES**
Michael Dake, MD

8:20 - 8:25 AM **VCA AWARD PRESENTATIONS**
Award Presenters: John Kaufman, MD; Dierk Scheinert, MD
Award Recipients: Ehrin Armstrong, MD; Daniela Branzan, MD

8:25 - 9:25 AM **LIVE CASE DEMONSTRATIONS:**
UNIVERSITY HOSPITAL LEIPZIG, LEIPZIG, GERMANY

Moderator: Michael Dake, MD
Panel: Kenneth Rosenfield, MD; John Rundback, MD; Dierk Scheinert, MD; Peter Soukas, MD

9:25 - 9:55 AM **REFRESHMENT BREAK & EXHIBITS**

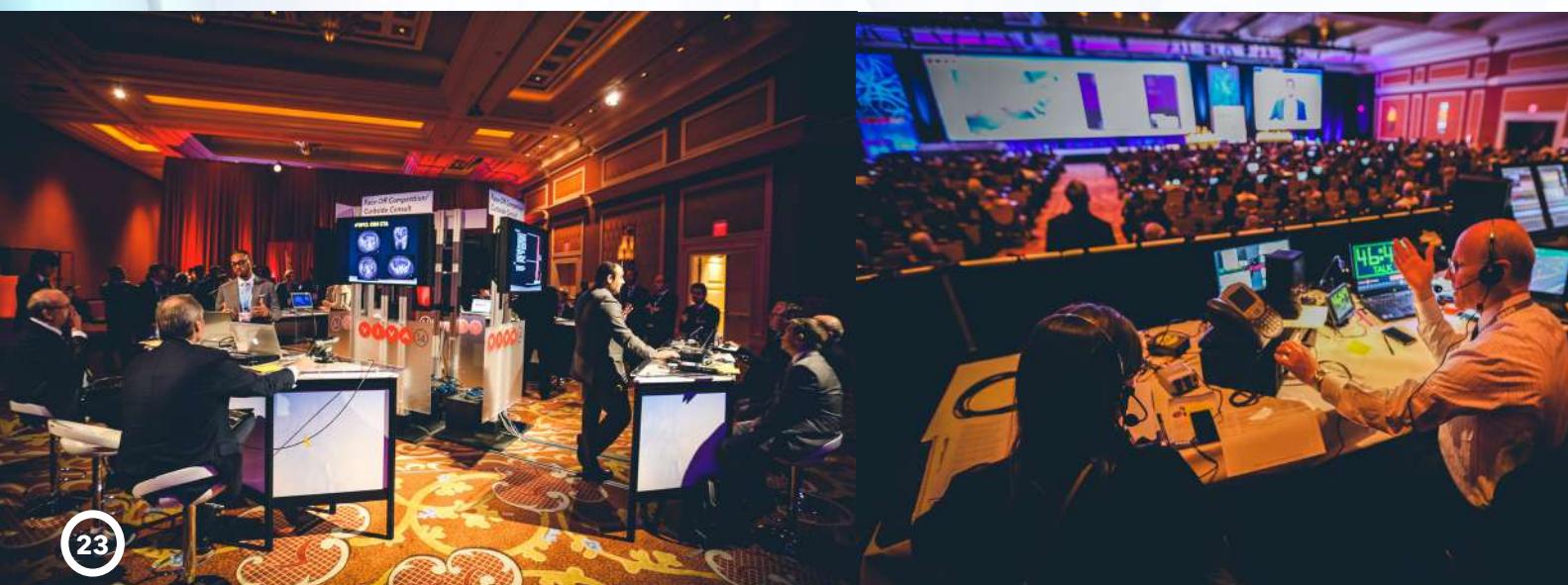
9:55 - 10:45 AM **TRAINWRECK THURSDAY**

Case 1 John Kaufman, MD
Case 2 D. Christopher Metzger, MD
Case 3 Gary Ansel, MD
Case 4 Sean Lyden, MD
Case 5 Peter A. Schneider, MD

10:45 AM - 12:00 PM **LIVE CASE DEMONSTRATIONS:**
UNIVERSITY HOSPITAL LEIPZIG, LEIPZIG, GERMANY

Moderator: John Laird Jr., MD
Panel: Osamu Iida, MD; D. Christopher Metzger, MD; David Minion, MD; Dheeraj Rajan, MD;
Anne Roberts, MD; Robert Schainfeld, DO

12:00 - 1:15 PM **LUNCH & EXHIBITS / SATELLITE SYMPOSIA**



GLOBAL THEATER (CONTINUED)

1:15 - 2:15 PM **LIMB SALVAGE THERAPIES**
Moderator: John Rundback, MD

Bypass Versus Endovascular Therapy - Who, What, When? Neal Cayne, MD
How Do we Apply Existing Technologies for Optimal Below Knee Intervention? Ehrin Armstrong, MD
What Are Evolving Strategies? What Will the Future of CLI Interventions Look Like? Robert Schainfeld, MD
Drug Delivery Technologies? Jihad Mustapha, MD
Advanced Tibiopedal CTO Techniques. Achieving Success in the Most Difficult Disease John Rundback, MD
Endpoints for Intervention? Role of Perfusion vs. Flow TBD
Plantar Pedal Arch Interventions. How Important is This?
Update on BEST-CLI and Other Contemporary Datasets Matthew Menard, MD
Improving Outcomes...Is there a Role for "Centers of Excellence?" Kenneth Rosenfield, MD
Panel Discussion and Wrap-Up Ehrin Armstrong, MD; Marc Bonaca, MD; Matthew Menard, MD; Jihad Mustapha, MD; Kenneth Rosenfield, MD

2:15 - 3:30 PM **LIVE CASE DEMONSTRATIONS:**
TBD

Moderator: Gary Ansel, MD
Panel: Ehrin Armstrong, MD; Daniel Clair, MD; Robert Lookstein, MD; Kenneth Rosenfield, MD; Dierk Scheinert, MD

3:30 - 4:00 PM **REFRESHMENT BREAK & EXHIBITS**

VIVA FACE-OFF

4:00 - 4:30 PM **FACE-OFF WINNER'S CIRCLE**
Co-Moderators: Gary Ansel, MD; John Laird Jr., MD
Top 3 Face-Off Presentations

4:30 - 5:15 PM **RAPID FIRE TRIUMPHS AND TRAGEDIES**
Moderator: John Kaufman, MD

Rapid Fire #1 John Laird Jr., MD
Rapid Fire #2 Michael Dake, MD
Rapid Fire #3 Gary Ansel, MD
Rapid Fire #4 Peter A. Schneider, MD

5:15 PM **VIVA 17 CONCLUDES**
John Kaufman, MD

NURSES + TECHS

VIVA 17

This educational symposium is focused on the needs of the cardiovascular healthcare professionals who play a critical role in the team-based delivery of vascular care. Integrated faculty will focus their presentations from the healthcare professional's perspective featuring a wide variety of interesting topics including occupational hazards, patient preparation, peripheral arterial disease, Advanced Practitioners providing care in the office, 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.

LIFE ON THE FRONTLINE - SAFETY AND EFFECTIVENESS

MONDAY, SEPTEMBER 11, 2017

8:00 - 9:35 AM PUTTING SAFETY FIRST

Co-Moderator: **Mark Burkett, MD; Anne Roberts, MD**

Successful Methods to Reduce Contrast Induced Renal Insufficiency and Alternative Methods for Evaluation Such as CO2 and IVUS **Daniela Branzan, MD**

Extending Outpatient Access of Vascular Care Utilizing APP's **Melissa Troyan, MSN**

Radiation Safety: How to Protect Yourself and the Patient **Konstantinos Katsanos, MD**

What the Future Holds for Lower Extremity Imaging: CTA, MRA, Angiography **John Kaufman, MD**

Benefits of Using Ultrasound Guided Access and Techniques to Reduce Vascular Complication **Anne Roberts, MD**

9:35 - 10:00 AM REFRESHMENT BREAK & EXHIBITS

10:00 AM - 12:00 PM TRICKS OF THE TRADE: DEVICES AND TECHNIQUES PART 1

Co-Moderator: **Lawrence Garcia, MD; Sean Lyden, MD**

Atherectomy Device Overview - What's out There and When Should you Consider Using Them **Lawrence Garcia, MD**

Drug-Eluting Stent Versus Bare Metal Stents Versus Bioabsorbable: Comparative Analysis for CLI **Alan Lumsden, MD**

Infrainguinal Drug-Coated Balloon and Plain Angioplasty: Benefits and Limitations of Each **John Rundback, MD**

How to Perform an Accurate Vascular Assessment After Peripheral Intervention **Bertha Hughes, RVT**

Anticipating and Managing Complications of CLI Interventions **Jihad Mustapha, MD**

Visceral Intervention: When and How **Alan Matsumoto, MD**

12:00 - 1:15 PM LUNCH & EXHIBITS

1:15 - 2:45 PM CHALLENGING VASCULAR CASES

Co-Moderator: **Alan Matsumoto, MD; Mitchell Silver, DO**

Type A Versus Type B Dissection: What is the Difference? **Darren Schneider, MD**

Peripheral Intervention on High-Risk Patients with Genetic Tissue Disorders **Mitchell Silver, DO**

Prevention and Treatment of Vessel Rupture Or Perforation **Alan Matsumoto, MD**

Recognizing the Common Anomalies in Venous Anatomy **David Williams, MD**

Team Approach in Maintaining and Improving Dialysis Access Through Intervention **Bret Wiechmann, MD**

2:45 - 3:05 PM REFRESHMENT BREAK & EXHIBITS

3:05 - 4:15 PM CUSTOMIZE YOUR OUTPATIENT EXPERIENCE

Co-Moderator: **Michael Guiry, PA-C; Laurie Ventura, RN**

Developing and Managing an Outpatient Endovascular Suite **Arthur Lee, MD**

How to Decrease Waste and Cost in the Angiography Suite **Michael Guiry, PA-C**

How to Capture Your Procedural Results: What Are the Database/Registry Options? **Laurie Ventura, RN**

Defining the High Performing Cardiovascular Team From a Nursing Perspective **Marie Rossi, RN**

TUESDAY, SEPTEMBER 12

LIFE ON THE FRONTLINE - TIPS AND TRICKS

10:45 AM - 12:00 PM IMPROVING OUTCOMES IN TREATING CAROTID DISEASE

Co-Moderator: **Daniel Clair, MD; James Zidar, MD**

Carotid Stenting: Technique and Outcomes **James Zidar, MD**

Neurological Assessment Pre, During and Post-Carotid Stenting **Marie Rossi, RN**

Successful Protocols for the Management of Hypertension in the Angiography Suite **Kathleen Rich, PhD**

Research: Why is it Important and Who Does It? **Daniel Clair, MD**

2:15 - 4:45 PM TRICKS OF THE TRADE: DEVICES AND TECHNIQUES PART 2

Co-Moderator: **George Adams, MD; Ian Franklin, MD**

How the Pump Affects the Pipes: Heart Failure and Lower Extremity Peripheral Artery Disease **Debra Kohlman-Trigoboff, RN**

Dealing with Acute Limb Ischemia: How to Save a Limb **George Adams, MD**

Optimizing Outcomes with Stent Grafts for Long Lesions **Mark Burkett, MD**

Tibiopedal Access: When and How **Jihad Mustapha, MD**

CTO Devices: What You Need to Know **John Laird Jr., MD**

The Use of IVUS in Arterial and Venous Intervention **Dheeraj Rajan, MD**

Venous Ablation: New and Improved Technology **Ian Franklin, MD**

Ultrasound-Guided Sclerotherapy in Treating Chronic Venous Wounds **Raghu Kolluri, MD**

WEDNESDAY, SEPTEMBER 13

LIFE ON THE FRONTLINE - ANEURYSM AND VENOUS TREATMENT

10:45 AM - 12:00 PM EVOLUTION OF AAA TREATMENT

Co-Moderator: **Michael Dake, MD; Tiffany Street, RN**

How to Develop a Primarily Percutaneous AAA Endograft Program **Joseph Lombardi, MD**

Complex Abdominal Aortic Aneurysm and its Treatment **Tiffany Street, RN**

Utilizing Coil Embolization for Treatment of Endoleaks **Debra Kohlman-Trigoboff, RN**

Evolving Aortic Technologies: Now and the Future **Michael Dake, MD**

2:15 - 4:45 PM VENOUS INTERVENTION: VTE TREATMENT

Co-Moderator: **Amanda Bailey, CNP; David Williams, MD**

Hypercoagulable Workup: Who Needs This Workup **Kristin Alix, RN**

Role of Vascular Lab in DVT Diagnosis **Gail Hadley, RN, RVT**

Successful Treatment Techniques for Acute and Chronic DVT **Mitchell Silver, DO**

To Bleed or not to Bleed: Current Anticoagulation Therapy and Implication for Practice **Kristin Alix, RN**

Customizing PE Treatments for Various Risk Strata **Sanjay Misra, MD**

IVC Filters: Current Treatment Options **John Kaufman, MD**

Techniques for Removal of Difficult IVC Filters **Mitchell Silver, DO**

How to Develop a Follow-up Program for IVC Filter Removal **Amanda Bailey, CNP**

THE ROUNDTABLE

TUESDAY, SEPTEMBER 12 - THURSDAY, SEPTEMBER 14

This session provides concentrated disease-based clinical discussions, moderated by VIVA Board Members.

Participants will benefit from the in-depth dialogue, renowned expert opinions, and open review of controversies. These sessions will expand your understanding and provide new insights, to bring you "up to speed" on the latest approaches to patient care.

TUESDAY, SEPTEMBER 12

8:20 - 9:15 AM LINC AT VIVA

Co-Moderators: **John Laird Jr., MD; Dierk Scheinert, MD**

Subintimal Versus Intraluminal SFA Intervention in Complex Calcific Disease. Is There a Preference and How to Maximize Results **John Laird Jr., MD**

DCB Alone Versus DCB and BMS Versus DES in the SFA **Mehdi Shishehbor, DO**

Does the Data Support Atherectomy Prior to SFA DCB as Any Better Vessel Prep Than POBA?

D. Christopher Metzger, MD

Emerging Technologies for Above Knee and Below Knee Calcification...Will these Matter? **Sean Lyden, MD**

Panel Discussion and Wrap-Up **Sean Lyden, MD; D. Christopher Metzger, MD; Mehdi Shishehbor, DO**

10:40 - 11:15 AM WOUND CARE

Co-Moderators: **Desmond Bell, DPM; Raghu Kolluri, MD**

Pathophysiology of Arterial and Venous Wounds - a Primer **Vikram Kashyap, MD**

Creating Clear Recommendations for Local Wound Care: Key Considerations **Guy Pupp, DPM**

Is There a Value for HBO Therapy? When and How? What Are the Current Medicare Guidelines? **Richard Powell, MD**

Panel Discussion and Wrap-Up **Vikram Kashyap, MD; Richard Powell, MD; Guy Pupp, DPM**

11:20 AM - 12:00 PM CFA THERAPY

Co-Moderators: **John Laird Jr., MD; Thomas Zeller, MD, PhD**

Surgical Results, Limitations and Complications of CFA Endarterectomy - Is there Room for Improvement? **Matthew Menard, MD**

Rationale and Early Results of Percutaneous CFA Intervention **Thomas Zeller, MD, PhD**

Endovascular CFA Intervention: What Anatomy for What Devices? **Sahil A. Parikh, MD**

Panel Discussion and Wrap-Up **Sahil A. Parikh, MD; Matthew Menard, MD**

2:15 - 3:15 PM PULMONARY EMBOLISM MANAGEMENT

Co-Moderators: **Samuel Goldhaber, MD; Kenneth Rosenfield, MD**

Understanding Acute PE - How to Assess Patients and Decide Between Systemic Therapy, Catheter-Based Therapy, and Open Thrombectomy **James Froehlich, MD**

Pharmacomechanical Techniques and Percutaneous Thrombectomy for Massive and Submassive PE **Robert Lookstein, MD**

When to Use Filters for Acute PE Patients and are There Differences in Filters that Matter for This? **Jay Giri, MD**

Catheter Directed Pulmonary Artery Thrombolysis - Do the Results Justify the Risk and How is This Different from Early Failed NHLBI Trials of Systemic Lysis? **Akhilesh Sista, MD**

Optimal Anticoagulation and Follow-Up After PE **Marc Bonaca, MD**

Panel Discussion and Wrap-Up **Marc Bonaca, MD; James Froehlich, MD; Jay Giri, MD; Robert Lookstein, MD; Akhilesh Sista, MD**

4:00 - 4:45 PM PRACTICE DEVELOPMENT FOR FELLOWS

Co-Moderators: **Tony Das, MD; Sean Lyden, MD**

Effective Ways to Grow a Vascular Practice **James Zidar, MD**

How to Engage Your Hospital and Administrators to Create a Thriving and Supported Multidisciplinary Practice Structure **Robert Lookstein, MD**

Is an Office-Based Laboratory Right for You? **Tony Das, MD**

What Vascular Physicians Need to Know About Healthcare Reform and Reimbursement in the New Administration **Christopher White, MD**

Panel Discussion and Wrap-Up **Robert Lookstein, MD; Christopher White, MD; James Zidar, MD**

WEDNESDAY, SEPTEMBER 13

8:15 - 9:15 AM LOWERING THE COSTS OF INTERVENTIONAL CARE

Co-Moderators: **Mark Burkett, MD; Michael Dake, MD**

The Cost of Vascular Care in the US; Insights from the REACH Registry and How We Compare Globally **Marianne Brodmann, MD**

Patient Centered Care Systems - What Do These Mean and can they Lower Costs? **Joshua Beckman, MD**

How Does Tracking Quality, Training, Experience and Outcomes Lower Procedural Costs Across Vascular Specialties? **Richard Powell, MD**

Developing an Algorithm for Best Care At Best Price **Robert Lookstein, MD**

Value-Based Purchasing Decisions: The Physicians Role **Sean Lyden, MD**

Panel Discussion and Wrap-Up **Joshua Beckman, MD; Marianne Brodmann, MD; Sean Lyden, MD; Richard Powell, MD**

10:40 - 11:15 AM ADVANCED CAROTID TECHNIQUES

Co-Moderators: **Nick Hopkins, MD; D. Christopher Metzger, MD**

Optimizing Cerebral Protection During Carotid Stenting **Peter Soukas, MD**

Micromesh Stents - Data and Unique Considerations **Peter A. Schneider, MD**

Transcervical Carotid Stenting - Early Experience **Vikram Kashyap, MD**

Management of Acute Strokes During Carotid Stenting **Nick Hopkins, MD**

Panel Discussion and Wrap-Up **Vikram Kashyap, MD; Peter A. Schneider, MD; Peter Soukas, MD**

11:20 AM - 12:00 PM HEMODIALYSIS FISTULA COMPLICATION MANAGEMENT

Co-Moderators: **Sanjay Misra, MD; John Rundback, MD**

Transradial Approaches to Fistula Management **John Rundback, MD**

The Fistula Declot - Drug and Device Approaches **TBD**

Controversies Surrounding Central Venous Stenosis - Whether to Treat Or Watch **TBD**

Catheter-Based and Surgical Techniques to Treat HD Arterial Steal Syndromes and Hand Ischemia **Mark Conrad, MD**

Panel Discussion and Wrap-Up **Mark Conrad, MD**

VIVA 17

2:15 - 3:15 PM CALCIFICATION

Co-Moderators: **Fritz Angle, MD; John Laird Jr., MD**

What Definitions of Calcium Work and Why?

Krishna Rocha-Singh, MD

Tools for Crossing the Calcified Stenosis and Occlusion **Donald Jacobs, MD**

Current and Future Strategies for Femoropopliteal Calcification **Marianne Brodmann, MD**

How to Treat Really Rocky Tibial Arteries Successfully **Bret Wiechmann, MD**

The Role of Drug Delivery in Calcified Lesions **Juan Granada, MD**

Panel Discussion and Wrap-Up **Marianne Brodmann, MD; Juan Granada, MD; Donald Jacobs, MD; Stefan Müller-Hülsbeck, MD, PhD; Krishna Rocha-Singh, MD; Bret Wiechmann, MD**

4:00 - 4:45 PM THROMBOLYTIC THERAPY

Co-Moderators: **Subhash Banerjee, MD; John Rundback, MD**

ALLI Staging and Implications - is This Current? **Marc Bonaca, MD**

Arterial Thrombolysis Protocols that Work and How to Monitor the Patient During Treatment **TBD**

Utility of Pharmacomechanical Techniques for Arterial Occlusion **Saher Sabri, MD**

Acute and Chronic Venous Thrombolysis - Does the Data Support the Practice? **Edward Woo, MD**

Panel Discussion and Wrap-Up **Marc Bonaca, MD; Saher Sabri, MD; Edward Woo, MD**



THE ROUNDTABLE

(CONTINUED)

THURSDAY, SEPTEMBER 14

8:15 - 9:15 AM HD FISTULAE CREATION

AND SURVEILLANCE

Co-Moderators: **Anne Roberts, MD; Peter A. Schneider, MD**

Monitoring and Surveillance of Autogenous AVF, Grafts, and Catheters **Robert Schainfeld, DO**

Percutaneous AVF Creation - Technique and Data **Dheeraj Rajan, MD**

Fistula Maturation, Timing and Tried-and-True Techniques **Paul Kreienberg, MD**

Devices and Strategies for Improving Interventional Patency **TBD**

Saving Failing Accesses Due to Recurrent Thrombosis, Inflow Disease, Pseudoaneurysms and Resistant Peripheral/Central Venous Stenosis **Sanjay Misra, MD**

Panel Discussion and Wrap-Up **Paul Kreienberg, MD; Sanjay Misra, MD; Dheeraj Rajan, MD; Robert Schainfeld, DO**

9:55 - 10:30 AM ENDOLEAKS

Co-Moderators: **John Laird Jr., MD; Krishna Rocha-Singh, MD**

Regraft and Reline Technologies and Endoanchors **Alan Lumsden, MD**

Type 2 Endoleak Management: Transcatheter and Direct Sac Puncture Techniques and Embolics **Constantino Peña, MD**

Resolving Gutter Leaks After Branched, Fenestrated and Chimney Graft Placement **David Minion, MD**

Panel Discussion and Wrap-Up **Alan Lumsden, MD; Matthew Menard, MD; David Minion, MD; Constantino Peña, MD**

10:35 - 11:10 AM CTO TECHNIQUES

Co-Moderators: **Gary Ansel, MD; John Kaufman, MD**

Aortoiliac CTO Techniques, Concerns and Bailouts **Saher Sabri, MD**

SFA CTO Crossing - Simple and Advanced **Robert Bersin, MD**

Approach to the Worst Case Tibial CTO **Brian DeRubertis, MD**

Panel Discussion and Wrap-Up **Robert Bersin, MD; Brian DeRubertis, MD; Saher Sabri, MD**

11:15 AM – 12:00 PM ACUTE AND CHRONIC DVT

Co-Moderators: **Daniel Clair, MD; Michael Dake, MD**

The Data is Arriving. What is the Role of Acute Venous Thrombolysis in 2017? **Suresh Vedantham, MD**

Chronic DVT Recanalization is Beneficial **Peter A. Soukas, MD**

Understanding Iliocaval Compression Syndromes - Keys to Management **TBD**

Guidelines-Based Anticoagulation Management in Acute and Chronic DVT - Which Agent in What Order, and Special Circumstances **Akhilesh Sista, MD**

Panel Discussion and Wrap-Up **Akhilesh Sista, MD; Peter A. Soukas, MD; Suresh Vedantham, MD**

1:15 - 2:05 PM EMBOLIZATION TECHNIQUES

Co-Moderators: **John Kaufman, MD; Alan Lumsden, MD**

Coils and Plugs and How to Use them **TBD**

Glues and Cohesive Polymers - an Introduction **TBD**

The Role of Sclerosants **Fritz Angle, MD**

Embolization Strategies for Visceral Aneurysms **Mark Burkett, MD**

Panel Discussion and Wrap-Up **Fritz Angle, MD; Mark Burkett, MD**

2:10 - 2:50 PM MULTIVESSEL AND TASC DISEASE

Co-Moderators: **Alan Matsumoto, MD; Peter A. Schneider, MD**

A Review of TASC-II and Other Organizational Guidelines. What Has Changed and Are they Relevant? **Bruce Gray, DO**

The Endovascular First Paradigm for Long and Multivessel Occlusive Disease. How Successful and Cost Efficient is This? **Sahil A. Parikh, MD**

When is Surgery Most Appropriate for Multivessel and TASC D Lesions? **Sean Lyden, MD**

Panel Discussion and Wrap-Up **Bruce Gray, DO; Sean Lyden, MD; Sahil A. Parikh, MD**

2:55 - 3:30 PM AORTIC PATHOLOGY

Co-Moderators: **Robert Bersin, MD; Sean Lyden, MD**

How to Approach Aortic PAU and IMH **Edward Woo, MD**

Type B and Type A Aortic Dissection - Best and Emerging Treatments **David Williams, MD**

Hybrid Surgical and Endovascular Strategies for Complex Aortic Pathology **Koen Deloose, MD**

Panel Discussion and Wrap-Up **Jihad Mustapha, MD; David Williams; Edward Woo, MD**

3:45 - 4:30 PM DRUG-ELUTING TECHNOLOGIES

Co-Moderators: **Kenneth Rosenfield, MD; Dierk Scheinert, MD**

The European Experience with DCB's - Overall Results in the SFA and Does the Platform Matter? **Antonio Micari, MD, PhD**

Drug-Eluting SFA Stents - How Does This Compare to Bypass, DCB, and Other Strategies? **Anne Roberts, MD**

Is Drug Delivery BTK Dead? What Lies Ahead? **Marianne Brodmann, MD**

What is Vessel Prep Prior to DCB and When and How Should it be Done? **Dierk Scheinert, MD**

Panel Discussion and Wrap-Up **Marianne Brodmann, MD; Antonio Micari, MD, PhD; Anne Roberts, MD**

VIVA FACE-OFF COMPETITION

DEADLINE TO REGISTER IS FRIDAY, JULY 21, 2017.

VIVA 17 offers an opportunity for **U.S. Physicians-in-training (fellows and qualifying residents) and international physicians** to present original research or interesting cases with a focus on complex procedures, complication management, advanced and novel techniques, and new technology. Presenter's 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 in the Global Theater on **Thursday**. *This competition will be held in the Global Theater lobby.*

INFORMATION/REQUIREMENTS

Once registered, information on accessing a website with the required Face-Off template, scholarship application, and information on how to submit your Face-Off presentation will be provided in your registration confirmation letter. ALL participants will be notified of approval/denial status no later than Thursday, August 3, 2017.

PHYSICIANS-IN-TRAINING PROGRAM DETAILS

U.S. PHYSICIANS ELIGIBLE TO APPLY TO FACE-OFF:

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

For more details on the Face-Off program, please visit: www.vivaphysicians.org/fellows or www.vivaphysicians.org/internationalphysicians

PHYSICIANS-IN-TRAINING RECEPTION

Attend a special reception in the Exhibit Pavilion, Monday, September 11, 5:30 - 7:00 PM.

This "passport adventure" is a unique opportunity to meet with supporters of the VIVA Physicians-in-Training Initiative. This exclusive event includes a prize drawing at the end of the evening.

TUESDAY, SEPTEMBER 12 - THURSDAY, SEPTEMBER 14

Join this dynamic and interactive discussion of nothing but clinical cases! The "theater-in-the-round" environment encourages the moderator and audience to engage the faculty to address real world issues and practice approaches. Whether you choose to enlist in the whole tour or join for instruction focused on a particular vascular problem, the Strategies sergeants 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.

TUESDAY, 9.12.17

8:20 - 9:15 AM

AORTIC DISSECTIONS -- AVOIDING PITFALLS

Moderator: Michael Dake, MD

Panel: Jason Lee, MD; Armando Lobato, MD, PhD;
Alan Lumsden, MD; James McKinsey, MD; Edward Woo, MD

10:45 - 11:20 AM

AORTIC EMERGENCIES

Moderator: Manish Mehta, MD

Panel: Robert Bersin, MD; Lawrence Garcia, MD;
Anne Roberts, MD

11:25 AM - 12:00 PM

IVC FILTER REMOVAL

Moderator: John Kaufman, MD

Panel: Fritz Angle, MD; Mehdi Shishehbor, DO

2:15 - 3:15 PM

JAPANESE CASE REVIEW

Moderator: John Laird Jr., MD

Panel: Hiroshi Ando, MD; Osamu Iida, MD; Osami Kawarada, MD;
Diaz Kawasaki, MD; Yoshimitsu Soga, MD, PhD;
Kazushi Urasawa, MD, PhD

4:00 - 4:45 PM

CLOT MANAGEMENT

Moderator: John Rundback, MD

Panel: Mark Bates, MD; Jean Panneton, MD;
Mahmood Razavi, MD

WEDNESDAY, 9.13.17

8:15 - 9:15 AM

CTO TOOLSET AND SKILLSET

Moderator: D. Christopher Metzger, MD

Panel: Ehrin Armstrong, MD; Subhash Banerjee, MD;
Sanjay Misra, MD; Darren Schneider, MD;
David Williams, MD

10:45 - 11:20 AM

WORST CASE BEST SAVE

Moderator: Sean Lyden, MD

Panel: Sahil A. Parikh, MD; Richard Powell, MD;
Anne Roberts, MD

11:25 AM - 12:00 PM

RADIAL INTERVENTIONS

Moderator: John Laird Jr., MD

Panel: Robert Beasley, MD; Robert Bersin, MD;
Robert Lookstein, MD

2:15 - 3:15 PM

COMPLEX AORTOILIAC INTERVENTIONS

Moderator: Sean Lyden, MD

Panel: Sanjay Misra, MD; Anne Roberts, MD

4:00 - 4:45 PM

CHRONIC ILLIOFEMORAL DVT MANAGEMENT

Moderator: Joshua Beckman, MD

Panel: Constantino Peña, MD; Peter Soukas, MD

THURSDAY, 9.14.17

8:15 - 9:15 AM **FMD, VASCULITIS AND CONNECTIVE TISSUE DISORDERS**

Moderator: Joshua Beckman, MD

Panel: Marianne Brodmann, MD; Daniel Clair, MD; Bruce Gray, DO; Gregory Piazza, MD

9:55 - 10:35 AM **CAROTID INTERVENTIONS**

Moderator: Peter A. Schneider, MD

Panel: William Gray, MD; Gary Roubin, MD, PhD

10:40 - 11:20 AM **COMPLEX EVAR TECHNIQUES**

Moderator: Sean Lyden, MD

Panel: Constantino Peña, MD; Edward Woo, MD

11:25 AM - 12:00 PM **VISCERAL INTERVENTIONS**

Moderator: John Kaufman, MD

Panel: Sean Lyden, MD; Matthew Menard, MD; David Williams, MD

1:15 PM - 2:15 PM **CHALLENGING TIBIAL PROCEDURES**

Moderator: Robert Lookstein, MD

Panel: Robert Beasley, MD; Arthur Lee, MD; Bret Weichmann, MD

2:25 - 3:25 PM **PERIPHERAL PEARLS**

Moderator: John Laird Jr., MD

Panel: Arthur Lee, MD; Alan Lumsden, MD; D. Christopher Metzger, MD; Antonio Micari, MD, PhD; Bret Weichmann, MD

3:30 - 4:30 PM **CEC @ VIVA**

Co-Moderators: Michael Dake, MD; Wei Guo, MD, PhD

Panel: Zhong Chen; Weiguo Fu, MD; D. Christopher Metzger, MD; Krishna Rocha-Singh, MD

Feasibility and Safety of Simultaneous Carotid Endarterectomy and Carotid Stenting for Bilateral Carotid Stenosis
Ye Zhidong, MD

Vessel Prep in the World of the Drug Elution D. Christopher Metzger, MD

Total Endovascular Management of Distal Dissected Aneurysm by Sealing all the Distal Tears After Initial TEVAR for Type B Aortic Dissection Weiguo Fu, MD

Evaluate the Taper Angle of Thoracic Aorta to Help TEVAR Xin Jia, MD

Kissing Stent Graft Technique Application in EVAR Chen Yao, MD, PhD

Perspectives on Treatment for Acute DVT Krishna Rocha-Singh, MD

The Use of Retrograde Femoral Popliteal Access for Challenging CTOs Zhong Chen, MD

Panel Discussion



WHERE EDUCATION & EXPERIENCE GO HAND-IN-HAND SEPTEMBER 10 - 11, 2017

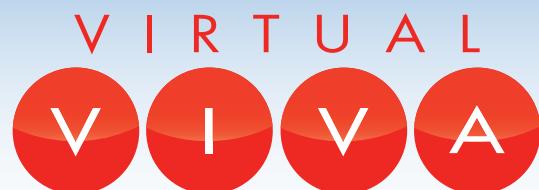
The VEINS (Venuous Endovascular INterventional Strategies) merged with VIVA in 2015. The VEINS at VIVA returns for its 3rd year in Las Vegas with its state-of-the-art venous content! Drs. John Kaufman and Raghu Kolluri are the course directors for this multispecialty meeting with internationally-renowned faculty.

This day and one-half interactive course held at Wynn Las Vegas, will be focused on thrombosis, acute and chronic venous diseases, and lymphedema and offer a comprehensive analysis of the critical issues facing vascular specialists today. Results from much anticipated landmark clinical trials in venous disease will be reported in 2017. The VEINS will provide critical analysis of these data. There is increasing awareness of pulmonary embolism and development of Pulmonary Embolism Response teams across the country. It is now more important than ever to be at the forefront of these new developments, review the state-of-the-art technologies and assess outcomes of patient-centered strategies. All this will be done in an up-close and personal setting, for which The VEINS is known, providing ample time to discuss cases and to mingle with colleagues and faculty.

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 Jacobs School of Medicine and Biomedical Sciences and VIVA Physicians. UB Jacobs School of Medicine is accredited by the ACCME to sponsor CME for physicians. The UB Jacobs School of Medicine & Biomedical Sciences designates this live activity for a maximum of **11.25 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:

Sunday, September 10 (7:45 am - 5:15 pm): **7.50 credits**
Monday, September 11 (7:45 am - 12:00 pm): **3.75 credits**



Watch various sessions and live cases

Reference presentations shown during the meeting

Interact with faculty through Q&A

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ATTEND THE 7TH ANNUAL
VEINS CONFERENCE FOR **ONLY \$595**

**Join us for
THE VEINS
RECEPTION**

SUNDAY, SEPTEMBER 10, 2017 5:20 - 6:30 PM

For the complete agenda, exhibit and marketing opportunities, please visit www.vivaphysicians.org/theveins

REGISTER TODAY
www.vivaphysicians.org/register

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AWARDS



A TEACHER, LEADER, AND SCHOLAR AWARD (THE 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 - NICK HOPKINS, MD

Tuesday, September 12 at 9:05 AM in the Global Theater



Dr. Nick Hopkins graduated cum laude from Albany Medical College and trained in surgery at Case Western Reserve followed by neurology and neurosurgery at SUNY Buffalo. He is a pioneer in the minimally invasive, catheter-based treatment of vascular diseases of the brain which cause stroke.

He is the founder of Gates Vascular Institute, Toshiba Stroke & Vascular Research Center and Chief Scientific Officer, Jacobs Institute. He conceived and led the design and development of a new approach to a minimally invasive treatment of cardiovascular disease and stroke with the Gates Vascular Institute in Buffalo, New York.

Dr. Hopkins served as chairman of the Department of Neurosurgery at SUNY Buffalo for nearly 25 years, has authored over 400 peer-reviewed publications, and has received numerous national and international awards for his contributions to neurosurgery.

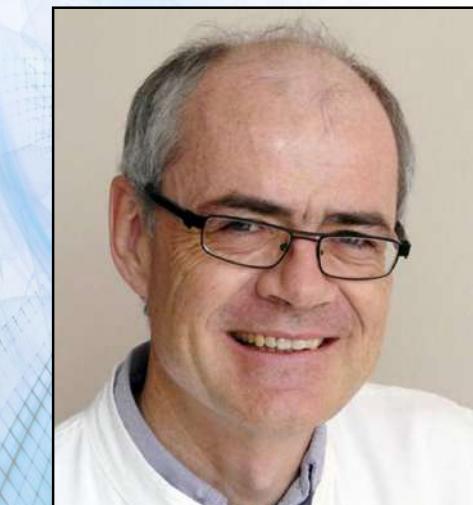
In 2012, he was named by SUNY at Buffalo, the Distinguished Professor of Neurosurgery and Radiology, the highest academic achievement in New York state. Dr. Hopkins has also been active in entrepreneurship and has helped found and served on the board of several medical technology start-ups.

A LEADER IN ENDOVASCULAR EDUCATION (THE 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 - THOMAS ZELLER, MD, PhD

Tuesday, September 12 at 9:10 AM in the Global Theater



Dr. Thomas Zeller is a major contributor to current therapeutic concepts in vascular disease management. His work has helped to shape our approach to stenting, atherectomy, and drug-coated balloon angioplasty for lower extremity revascularization. He is a Professor and Head of Department of Clinical and Interventional Angiology at the University of Freiburg in Bad Krozingen, Germany. He has more than 20 years of experience in interventional angiology. His research interests include optimization of endovascular therapy methods of peripheral arterial occlusive disease and noninvasive diagnostic methods in vascular medicine. He has performed a series of studies in these areas and has conducted numerous clinical trials and has authored some of the seminal papers in our field. Furthermore he is editorial board member of various scientific journals, including: VASA, EUROIntervention, Vascular Medicine, Catheterization Cardiovascular Interventions, Journal of Endovascular Therapy and reviewer for European Heart Journal, Journal of American College of Cardiology, Circulation, and The Lancet. He is author of more than 200 peer-reviewed original and review articles, and editor of the textbook Vascular Medicine. Dr. Zeller has taught endovascular therapy around the world and we are honored to have him as this year's LIVE Award recipient.

VIVA AND LINC ARE PROUD TO PRESENT THE...

VASCULAR CAREER ADVANCEMENT AWARD

VIVA and LINC have collaborated to develop the Vascular Career Advancement Award to recognize two young physicians, each year, 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.

VASCULAR CAREER ADVANCEMENT AWARD PRESENTATION EHRIN ARMSTRONG, MD & DANIELA BRANZAN, MD

Thursday, September 14 at 8:20 AM in the Global Theater



EHRIN ARMSTRONG, MD

Dr. Ehrin J. Armstrong is Associate Professor of Medicine at the University of Colorado School of Medicine and Director of Interventional Cardiology at the VA Eastern Colorado Healthcare System in Denver, Colorado. He is also Director of the Vascular Laboratory and Director of the Vascular Medicine fellowship at the Denver VA Hospital.

His clinical practice includes the endovascular treatment of advanced peripheral artery disease, including carotid artery stenting, endovascular aortic repair, and complex techniques for limb salvage in patients with critical limb ischemia. His research interests include optimal medical therapy of patients with critical limb ischemia, comparative outcomes of endovascular interventions, and the development of novel coronary and endovascular techniques. He runs a large clinical trials group that conducts multiple trials of novel endovascular devices and also heads a translational laboratory focused on monocyte adhesion and

activation in acute coronary syndromes. With over 150 published peer-reviewed articles in major cardiovascular journals he is also the editor of the Vascular Medicine collection of Acc.org and a member of the NCDR Peripheral Vascular Interventions Steering Committee.



DANIELA BRANZAN, MD

Dr. Daniela Branzan is a vascular surgeon currently co-responsible for the vascular program at the University Hospital Leipzig since 2014. She completed her training in vascular surgery at the University of Freiburg in Bad Krozingen, Germany, before joining the Vascular Team in Leipzig. During her clinical activity, she developed a particular expertise in the treatment of complex endovascular repair of arch, thoracic, thoraco-abdominal and abdominal aortic aneurysmal disease.

She participated in many live case teaching transmissions during national and international meetings and has conducted extensive research in the prevention of spinal cord ischemia during the endovascular treatment of thoraco-abdominal aortic aneurysm. She reported the first clinical experience with segmental intercostal/lumbar artery coiling to prevent spinal cord ischemia during the endovascular treatment of thoraco-abdominal pathologies. Dr. Branzan is a reviewer for several vascular disease journals and she has presented in multiple

national and international congresses. She has served as Co-Principal Investigator for multiple clinical research studies.

Dr. Branzan is active in national and international organizations. Her early career points to great promise as a contributor to the development of the vascular field going forward.

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The following commercial supporters have provided educational grants for VIVA programs. The commercial support from our industry colleagues, who are dedicated to educating health care professionals and enhancing patient outcomes, helps to make VIVA possible.

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THE VEINS See website for all of The VEINS supporters and exhibitors.

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VIVA is funded by educational grants from various commercial organizations that have no control over the program content.

See updated list for VIVA and The VEINS here:
<http://vivaphysicians.org/annual-conference/exhibit-support-2017/>

HOTEL & GENERAL INFORMATION

RESERVATIONS

A block of rooms has been reserved at Wynn Las Vegas for guests attending VIVA 17. After completing registration, a link will be included in your confirmation email where you will be able to book a room. The current room rate is **\$229 per night** plus tax (currently 13.38%) and is available until the room block fills. 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 16, 2017** at 5pm PDT, 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 16th, 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 16, 2017. A **non-refundable deposit** of the first night's room and tax will be required to confirm all reservations.

Please visit
<http://vivaphysicians.org/annual-conference/accommodations/>
for the most updated information.



REGISTRATION HOURS

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

Monday, September 11	7:00 am - 3:15 pm	Saturday, September 9	3:00 - 5:00 pm
Tuesday, September 12	7:00 am - 5:30 pm	Sunday, September 10	6:45 am - 5:30 pm
Wednesday, September 13	10:00 am - 5:30 pm	Monday, September 11	6:45 am - 5:30 pm
Thursday, September 14	9:00 am - 5:30 pm	Tuesday, September 12	6:15 am - 5:30 pm

Wednesday, September 13	7:15 am - 5:30 pm
Thursday, September 14	7:30 am - 5:30 pm

REGISTRATION

VIVA 17 ATTENDEES

*Reception included in tuition, guests may attend for \$100

US PHYSICIANS

Prime
5/30/17 — 8/8/17

Standard/On-Site
8/9/17

\$1,445

\$1,545

US Physicians-In-Training
(not participating in the Face-Off Competition)

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International Physicians

\$1,445

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Active Duty Military
*Upload Military ID during registration

\$50

\$150

Nurses/Techs/HCP's

\$795

\$945

Industry Professional
(non-exhibitor)

\$995

\$1,145

FACE-OFF COMPETITION

Until 7/21/17

US Physicians-In-Training

*Upload Fellowship verification letter

FREE!

International Physicians

\$995

VIRTUAL VIVA

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5/30/17 — 8/8/17

Standard/On-Site
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FREE!

FREE!

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*Cancellations not accepted

\$395

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THE VEINS 17 (Attendees)

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8/9/17

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\$595

\$745

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*Upload Military ID during registration

\$50

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Nurses/Techs/HCP's

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Industry Professional (non-exhibitor)

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TO REGISTER, VISIT: [HTTP://VIVAPHYSICIANS.ORG/REGISTER](http://VIVAPHYSICIANS.ORG/REGISTER)

VIVA 17 Cancellation policy: Cancellations through your online account by Thursday, July 20, 2017 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 online account, refunds will be settled within 7 days. NO refunds will be given after Thursday, July 20, 2017. Refunds or credits will not be given for failure to attend, late arrival, unattended events, or early departure.

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