



November 3-6, 2024

Dialysis Pre-Course - Sunday, November 3

ENDO AVF: FROM A TO Z - 7:00am - 8:00am

Moderator: **Venita Chandra, MD**

Panel: **Dejah Judelson, MD; Lee Kirksey, MD; Paul B. Kreienberg, MD; Sanjay Misra, MD; Allison Tan, MD; Shant Vartanian, MD**

7:00am - 7:07am	Who I Consider for EndoAVF, and How I See This Changing Paul B. Kreienberg, MD
7:07am - 7:10am	Panel Discussion
7:10am - 7:17am	My Algorithm for Embolization and Repeat Procedures After AVF Dejah Judelson, MD
7:17am - 7:20am	Panel Discussion
7:20am - 7:27am	What Data Are We Missing for EndoAVF? Shant Vartanian, MD
7:27am - 7:30am	Panel Discussion
7:30am - 7:37am	Developing Successful EndoAVF Programs to Optimize Clinical Outcomes Allison Tan, MD
7:37am - 7:40am	Panel Discussion
7:40am - 7:47am	Great Debates: EndoAVF Is the Wave of the Future—Step Aside, Open AVF Sanjay Misra, MD
7:47am - 7:54am	Great Debates: Wait a Minute! Surgery Is the Best Approach to Dialysis Creation Lee Kirksey, MD
7:54am - 8:00am	Panel Discussion

DCB, LIMUS, & FOLLOW-UP - 8:00am - 9:00am

Moderators: **Elina Quiroga, MD, MPH; Saher Sabri, MD**

Panel: **London Guidry, MD; Varshana Gurusamy, MD; Lindsay Machan, MD; Sanjay Misra, MD; Brian J. Schiro, MD; Allison Tan, MD**

8:00am - 8:07am	PTX vs Limus for AVF: What We Know and What We Can Learn From PAVE2 Lindsay Machan, MD
8:07am - 8:10am	Panel Discussion
8:10am - 8:17am	Tips and Tricks for Complications and Reinterventions in Dialysis Access London Guidry, MD
8:17am - 8:20am	Panel Discussion
8:20am - 8:27am	Strategies for Optimization of AVF/AVG Durability: What Is the Best Follow Up and When Should We Intervene? Varshana Gurusamy, MD
8:27am - 8:30am	Panel Discussion
8:30am - 8:37am	Great Debates: Limus Is the Best for AVF Maintenance Sanjay Misra, MD
8:37am - 8:44am	Great Debates: Paclitaxel Is the Best for AVF Maintenance Allison Tan, MD
8:44am - 8:51am	Great Debates: Covered Stents Are the Best for AVF Maintenance Brian J. Schiro, MD
8:51am - 9:00am	Panel Discussion

NEW TECHNOLOGIES & APPROACHES IN DIALYSIS/POTPOURRI - 9:00am - 10:00am

Moderators: **Venita Chandra, MD; Mahmood Razavi, MD**

Panel: **London Guidry, MD; Misty Humphries, MD; Lee Kirksey, MD; Paul B. Kreienberg, MD; Shant Vartanian, MD**

9:00am - 9:07am	IVL for Fistula Maintenance/Maturation—Is There a Role? Misty Humphries, MD
9:07am - 9:10am	Panel Discussion
9:10am - 9:17am	Biologic Grafts and Other New Technologies: What's on the Horizon for AVF? Shant Vartanian, MD
9:17am - 9:20am	Panel Discussion
9:20am - 9:27am	New Anastomosis Setting Angle Device Paul B. Kreienberg, MD
9:27am - 9:30am	Panel Discussion
9:30am - 9:37am	Remote Monitoring and Wearables: What Are the Best Options to Optimize the Longevity of Future Access? Mahmood Razavi, MD
9:37am - 9:40am	Panel Discussion
9:40am - 9:47am	Great Debates: Everyone Over 65 Should Get an AV Graft vs Fistula Lee Kirksey, MD
9:47am - 9:54am	Great Debates: Everyone Over 65 Should Still Get an AVF London Guidry, MD
9:54am - 10:00am	Panel Discussion

CLTI Pre-Course - Sunday, November 3

ACCESS STRATEGIES FOR CLTI PROCEDURES - 8:00am - 9:00am

Moderators: **Ehrin Armstrong, MD; Peter A. Schneider, MD**

Panel: **Yonatan Bitton-Faiwizewski, MD; Joseph Campbell, MD; Daniel Clair, MD; Arthur Lee, MD; Jun Li, MD; Lorenzo Patrone, MD**

8:00am - 8:07am	Optimal Femoral Access: Retrograde and Antegrade Joseph Campbell, MD
8:07am - 8:14am	Techniques and Decision-Making for Optimal Tibial Access, and When to Treat From Below Jun Li, MD
8:14am - 8:21am	Extreme Access: High Tibial and Retrograde SFA Access Lorenzo Patrone, MD
8:21am - 8:30am	Panel Discussion
8:30am - 8:37am	Crossing Over: How to Master AV Access for PTAB and DVA Daniel Clair, MD
8:37am - 8:44am	Case Presentation: My Most Unique Access Case Arthur Lee, MD
8:44am - 8:51am	Transradial Endovascular Intervention: When and How to Do Complex Radial Interventions Yonatan Bitton-Faiwizewski, MD
8:51am - 9:00am	Panel Discussion

PROCEDURAL STRATEGIES: PEDAL ARCH, BTK, BTA - 9:00am - 10:00am

Moderators: **Liz Genovese, MD, MS; Parag J. Patel, MD, MS**

Panel: **Bulent Arslan, MD; Bryan Fisher, MD; Connie N. Hess, MD, MHS; Tatsuya Nakama, MD; Lorenzo Patrone, MD**

9:00am - 9:07am	My Approach to Wire Escalation Liz Genovese, MD, MS
9:07am - 9:14am	Algorithm for Crossing and Treating BTK CTOs Using the Tools Available Today Bulent Arslan, MD
9:14am - 9:21am	Why IVUS Is Needed for BTK Intervention Bryan Fisher, MD
9:21am - 9:30am	Panel Discussion
9:30am - 9:37am	Pedal Artery Angioplasty: When to Do It, and How to Do It Safely Tatsuya Nakama, MD
9:37am - 9:44am	Introducing the "Woundosome" Concept: Revisiting Procedural Endpoints for CLTI Interventions Lorenzo Patrone, MD
9:44am - 9:51am	How Do Recent Trials and Registries Influence My Practice? Connie N. Hess, MD, MHS
9:51am - 10:00am	Panel Discussion

EMERGING BTK THERAPIES - 10:30am - 11:45am

Moderators: **Ehrin Armstrong, MD; Brian DeRubertis, MD**

Panel: **Jon George, MD; William A. Gray, MD; Kumar Madassery, MD; Leigh Ann O'Banion, MD; Sahil A. Parikh, MD; Thomas Zeller, MD**

10:30am - 10:37am	What Is New and Emerging in Wound Management? Kumar Madassery, MD
10:37am - 10:44am	Extreme Distal Bypass Leigh Ann O'Banion, MD
10:44am - 10:51am	Cracking the Code: BTK Trial Design and Endpoints Sahil A. Parikh, MD
10:51am - 10:58am	Panel Discussion
10:58am - 11:05am	Atherectomy Devices: New Devices and New Data Jon George, MD
11:05am - 11:12am	Paclitaxel Drug-Coated Balloons in CLTI Thomas Zeller, MD

11:12am - 11:19am	Limus-Based BTK Drug-Coated Balloons: What Is the Progress? William A. Gray, MD
11:19am - 11:26am	Panel Discussion
11:26am - 11:33am	Scaffolds: Stents, Tacks, and How They Should Be Used Ehrin Armstrong, MD
11:33am - 11:40am	The Promise of Bioabsorbable Vascular Scaffolds Brian DeRubertis, MD
11:40am - 11:45am	Panel Discussion

SEVERE VESSEL CALCIFICATION - 11:45am - 12:15pm

Moderators: **Brian DeRubertis, MD; John H. Rundback, MD**

Panel: **Bulent Arslan, MD; Liz Genovese, MD, MS; Kumar Madassery, MD; Peter Monteleone, MD**

11:45am - 11:51am	Vessel Prep in Severe Calcification: Atherectomy, IVL, and Specialty Balloons Liz Genovese, MD, MS
11:51am - 11:57am	IVUS Utilization in Calcific Disease: Identifying Critical Lesion Characteristics and Facilitating Ideal Outcomes Peter Monteleone, MD
11:57am - 12:03pm	Scaffolding in Severe Calcium: Options and Outcomes Bulent Arslan, MD
12:03pm - 12:09pm	The Impact of Pedal Calcium: How SAD and MAC Scores Affect CLTI Outcomes Kumar Madassery, MD
12:09pm - 12:15pm	Panel Discussion

NOVEL UTILIZATION OF VENOUS CONDUITS: PTAB & DVA - 1:30pm - 2:45pm

Moderators: **Venita Chandra, MD; Peter A. Schneider, MD**

Panel: **Eri Fukaya, MD, PhD; Steven Kum, MD; Zola N'Dandu, MD; John H. Rundback, MD; Peter A. Soukas, MD; August Ysa, MD**

1:30pm - 1:37pm	Who Is the Best Candidate for PTAB? Peter A. Schneider, MD
1:37pm - 1:44pm	Stepwise Approach to PTAB Peter A. Soukas, MD
1:44pm - 1:52pm	Panel Discussion
1:52pm - 1:59pm	Who Is the Best Candidate for DVA? Steven Kum, MD
1:59pm - 2:06pm	Hybrid Superficial Venous Arterialization: Patient Selection, Preoperative Planning, and Operative Tips and Tricks August Ysa, MD
2:06pm - 2:13pm	Creating an Endovascular DVA Practice: Critical Resources, Training, and Procedural Steps John H. Rundback, MD
2:13pm - 2:23pm	Panel Discussion
2:23pm - 2:30pm	DVA: Patterns of Failure, Surveillance, and Maintenance Zola N'Dandu, MD
2:30pm - 2:37pm	Wound Management After DVA Eri Fukaya, MD, PhD
2:37pm - 2:45pm	Panel Discussion

Vascular Care Team Symposium - Sunday, November 3

CARDIOVASCULAR RISK REDUCTION & ADVANCING HYPERTENSION THERAPIES - 8:00am - 9:00am

Moderators: **Ali Moran Baird, DNP, AGACNP; Joshua Beckman, MD**

Panel: **Kristen Alix, RN, MSN, ANP-BC, CVN; J. Fritz Angle, MD; Ali Moran Baird, DNP, AGACNP; Gerard Bernales, MSN, APRN, FNP-C; Paul Davis, RN; Christy Willocks, NP-BC**

8:00am - 8:07am	Smoking Cessation: Options for Treatment Christy Willocks, NP-BC
8:07am - 8:14am	Role of Statin Therapy in Risk Reduction and Other Lipid-Lowering Strategies Paul Davis, RN
8:14am - 8:21am	Antiplatelet and Low-Dose Anticoagulation in Vascular Disease Kristen Alix, RN, MSN, ANP-BC, CVN
8:21am - 8:30am	Panel Discussion
8:30am - 8:37am	Medical Management of Hypertension Ali Moran Baird, DNP, AGACNP
8:37am - 8:44am	Workup for Patients Undergoing Renal Denervation Gerard Bernales, MSN, APRN, FNP-C
8:44am - 8:51am	Overview of the Renal Denervation Procedure J. Fritz Angle, MD
8:51am - 9:00am	Panel Discussion

PAD: ACUTE VS CHRONIC LIMB ISCHEMIA - 9:00am - 10:00am

Moderator: **D. Christopher Metzger, MD; Christine T. Owen, MS, ACNP-BC, RNFA**

Panel: **Kristen Alix, RN, MSN, ANP-BC, CVN; Shawn Sarin, MD; Jill Sommerset, RVT; Bret N. Wiechmann, MD; Christy Willocks, NP-BC**

9:00am - 9:07am	PAD: Anatomy/Physiology/Physical Exam Christine T. Owen, MS, ACNP-BC, RNFA
9:07am - 9:14am	Primer on Lower Extremity in Noninvasive Arterial Imaging Jill Sommerset, RVT
9:14am - 9:21am	Acute Limb Ischemia: Acute vs Chronic and When to Know the Difference Kristen Alix, RN, MSN, ANP-BC, CVN
9:21am - 9:30am	Panel Discussion
9:30am - 9:37am	Lower Extremity PAD: Case Presentation Christy Willocks, NP-BC
9:37am - 9:44am	Deep Vein Arterialization for CLTI Bret N. Wiechmann, MD
9:44am - 9:51am	Treatment of Acute Limb Ischemia Shawn Sarin, MD
9:51am - 10:00am	Panel Discussion

PE Summit - Sunday, November 3

CME credit is only available for The VEINS registrants.

PE MANAGEMENT BASICS - 1:30pm - 2:20pm

Moderators: **Jay Mathews, MD, MS; Mona Ranade, MD**

Panel: **Behnood Bikdeli, MD, MS; Joseph Campbell, MD; Rachel Rosovsky, MD; Saher Sabri, MD**

1:30pm - 1:40pm	Opening Remarks: The PE Landscape in 2024 Saher Sabri, MD
1:40pm - 1:50pm	Risk Stratification in PE Behnood Bikdeli, MD, MS
1:50pm - 2:00pm	Optimal Pharmacologic Treatment of the PE Patient Rachel Rosovsky, MD
2:00pm - 2:10pm	Catheter Interventions 101 Joseph Campbell, MD
2:10pm - 2:20pm	Panel Discussion

GREAT DEBATES: INTERMEDIATE-RISK PE - 2:20pm - 3:00pm

Moderators: **Jay Giri, MD, MPH; Maureen P. Kohi, MD**

Panel: **Peter Monteleone, MD; John Moriarty, MD; Gregory Piazza, MD**

2:20pm - 2:30pm	Debate: Mechanical Thrombectomy Is the Future John Moriarty, MD
2:30pm - 2:40pm	Debate: Catheter-Directed Lysis (CDL) Is All You Need Peter Monteleone, MD
2:40pm - 2:50pm	Debate: Systemic Lysis and Anticoagulation—Show Me the Data Gregory Piazza, MD
2:50pm - 3:00pm	Panel Discussion

PE TECHNOLOGIES & TRIALS - 3:30pm - 4:10pm

Moderators: **Kathleen Gibson, MD; Eric A. Secemsky, MD, MSc**

Panel: **Steven Abramowitz, MD; Jay Mathews, MD, MS; Mona Ranade, MD; Akhilesh Sista, MD**

3:30pm - 3:38pm	The Current PE Armamentarium Steven Abramowitz, MD
3:38pm - 3:46pm	Next-Generation PE Technologies Jay Mathews, MD, MS
3:46pm - 3:54pm	IDE Trial Update for PE Mona Ranade, MD
3:54pm - 4:02pm	RCT Trial Update for PE Akhilesh Sista, MD
4:02pm - 4:10pm	Panel Discussion

HIGH-RISK PE & COMPLICATIONS - 4:10pm - 4:50pm

Moderators: **Jun Li, MD; Akhilesh Sista, MD**

Panel: **David J. Dexter, MD; Jay Giri, MD, MPH; Michael Jolly, MD; Kenneth Rosenfield, MD, MHCDS**

4:10pm - 4:18pm	Supporting the Failing RV Michael Jolly, MD
4:18pm - 4:26pm	Complications With Endovascular Therapy of PE David J. Dexter, MD
4:26pm - 4:34pm	CTEPH and CTED: Prevention, Treatment, and Management Kenneth Rosenfield, MD, MHCDS
4:34pm - 4:42pm	Approaching Massive/High-Risk PE Jay Giri, MD, MPH
4:42pm - 4:50pm	Panel Discussion

COMPLEX CASES & WHAT I LEARNED - 4:50pm - 5:30pm

Moderators: **Steven Abramowitz, MD; Saher Sabri, MD**

Panel: **Joseph Campbell, MD; Gregory Piazza, MD; Mehdi Shishehbor, DO, MPH, PhD; Nora Tabori, MD**

4:50pm - 5:00pm	Combined Thrombectomy and Thrombolysis Case Gregory Piazza, MD
5:00pm - 5:10pm	Intracardiac Thrombus Case With PE Thrombectomy Joseph Campbell, MD
5:10pm - 5:20pm	Planned ECMO Case Nora Tabori, MD
5:20pm - 5:30pm	Unplanned ECMO Case: How ECMO Saved the Day Mehdi Shishehbor, DO, MPH, PhD

Aortic Pre-Course - Sunday, November 3

ACUTE AORTIC DISSECTIONS - 2:00pm - 3:00pm

Moderators: **Jade S. Hiramoto, MD; Sean P. Lyden, MD**

Panel: **J. Michael Bacharach, MD; Frank Caputo, MD; Javairiah Fatima, MD; Minhaj S. Khaja, MD, MBA; Robert A. Morgan, MD**

2:00pm - 2:07pm	Type A Aortic Dissection: Please Treat Distal Malperfusion First Minhaj S. Khaja, MD, MBA
2:07pm - 2:14pm	Type A Aortic Dissection: Never Treat Distal Malperfusion First—B-SAFER Frank Caputo, MD
2:14pm - 2:21pm	Malperfusion Syndrome Following Type A Repair: What Do I Do Now? Javairiah Fatima, MD
2:21pm - 2:34pm	Panel Discussion
2:34pm - 2:41pm	Innovations in Imaging of Aortic Dissection (A&B) Robert A. Morgan, MD
2:41pm - 2:48pm	Optimal Medical Management of TBAD J. Michael Bacharach, MD
2:48pm - 3:00pm	Panel Discussion

MORE AORTIC DISSECTION, INCLUDING FALSE LUMEN MANAGEMENT STRATEGIES - 3:30pm - 4:30pm

Moderators: **Minhaj S. Khaja, MD, MBA; Niten Singh, MD**

Panel: **J. Fritz Angle, MD; Matthew Eagleton, MD; Jason T. Lee, MD; Elina Quiroga, MD, MPH; Eric E. Roselli, MD**

3:30pm - 3:37pm	Management Strategies of Distal Aortic Degeneration After Dissection Matthew Eagleton, MD
3:37pm - 3:44pm	Where Do We Stand With High-Risk Features and Treatment of IMH's Elina Quiroga, MD, MPH
3:44pm - 3:56pm	Panel Discussion
3:56pm - 4:03pm	Embolization Options for Distal Entry Flow Eric E. Roselli, MD
4:03pm - 4:10pm	Embolization for Proximal 1A Entry Flow J. Fritz Angle, MD
4:10pm - 4:17pm	Indications and Technical Tips to Treat the False Lumen (Stabilize) in Both ATAB and CTAB Jason T. Lee, MD
4:17pm - 4:30pm	Panel Discussion

AORTOPATHIES & GENETIC AORTIC SYNDROMES - 4:30pm - 5:30pm

Moderators: **J. Fritz Angle, MD; Jason T. Lee, MD**

Panel: **Daniel Clair, MD; Yana Etkin, MD; Warren Gasper, MD; Sukgu M. Han, MD; Jade S. Hiramoto, MD**

4:30pm - 4:37pm	Who Should I Screen for Genetic Aortic Syndromes, and What Do I Order? Yana Etkin, MD
4:37pm - 4:44pm	Type IV Ehlers-Danlos: How and Whom to Treat Warren Gasper, MD
4:44pm - 4:51pm	Loeys-Dietz and Marfan: Considerations for Repair Strategies Jade S. Hiramoto, MD
4:51pm - 5:04pm	Panel Discussion
5:04pm - 5:11pm	Debate: EndoRx Is Appropriate With CTD Sukgu M. Han, MD
5:11pm - 5:18pm	Debate: EndoRx Is Not Appropriate With CTD Daniel Clair, MD
5:18pm - 5:30pm	Panel Discussion

PharmacoRx Pre-Course - Sunday, November 3

PAD - 2:00pm - 3:00pm

Moderator: **Joshua Beckman, MD**

Panel: **Herb Aronow, MD, MPH; Marc P. Bonaca, MD, MPH; Kamal Gupta, MD; Connie N. Hess, MD, MHS; Nick Leeper, MD; Vincent L. Rowe, MD**

2:00pm - 2:07pm	Medicines That Matter for CLTI Herb Aronow, MD, MPH
2:07pm - 2:14pm	The Main Takeaways From the AHA/ACC and SVS PAD Guidelines Kamal Gupta, MD
2:14pm - 2:21pm	The Impact of Team-Based Care Vincent L. Rowe, MD
2:21pm - 2:34pm	Panel Discussion
2:34pm - 2:41pm	Barriers and Solutions to Implementing Guideline-Directed Medical Therapy in Patients With PAD Connie N. Hess, MD, MHS
2:41pm - 2:48pm	Novel Lipid and Metabolic Agents in PAD Marc P. Bonaca, MD, MPH
2:48pm - 3:00pm	Panel Discussion

VTE - 3:30pm - 4:30pm

Moderators: **Teresa L. Carman, MD; Raghu Kolluri, MD, MS**

Panel: **Geoffrey Barnes, MD, MSc; Steven M. Dean, DO; Yogen Kanthi, MD; Rachel Rosovsky, MD; Aditya Sharma, MBBS**

3:30pm - 3:37pm	Have We Seen the Death of Factor XI Inhibitors? Geoffrey Barnes, MD, MSc
3:37pm - 3:44pm	Antiphospholipid Antibody Vasculopathy Yogen Kanthi, MD
3:44pm - 3:51pm	Interventional and Medical Management of Pulmonary Embolism in Pregnancy Rachel Rosovsky, MD
3:51pm - 4:04pm	Panel Discussion
4:04pm - 4:11pm	The Second-Line Hypercoagulable Workup Steven M. Dean, DO
4:11pm - 4:18pm	VTE ER Discharge Programs Aditya Sharma, MBBS
4:18pm - 4:30pm	Panel Discussion

PHARMACORX POTPOURRI - 4:30pm - 5:30pm

Moderators: **Joshua Beckman, MD; Teresa L. Carman, MD**

Panel: **Behnood Bikdeli, MD, MS; Marc P. Bonaca, MD, MPH; Kamal Gupta, MD; Nick Leeper, MD; Gaurav Parmar, MD, MPH**

4:30pm - 4:37pm	The Value of Home-Based Supervised Exercise Therapy Marc P. Bonaca, MD, MPH
4:37pm - 4:44pm	Medical Management of the Patient With Aortic Aneurysm: Abdominal vs Thoracic Kamal Gupta, MD
4:44pm - 4:51pm	Update on Classification Criteria for Large-Vessel Vasculitis: EULAR 2022 Gaurav Parmar, MD, MPH
4:51pm - 5:04pm	Panel Discussion
5:04pm - 5:11pm	Should We Use Low-Dose Rivaroxaban in Carotid Artery Stenosis? Behnood Bikdeli, MD, MS
5:11pm - 5:18pm	Arteriopathies: Navigating Genetic Testing Nick Leeper, MD
5:18pm - 5:30pm	Panel Discussion

Aortic Track - Monday, November 4

SPINAL CORD ISCHEMIA - 7:00am - 7:55am

Moderators: **Daniel Clair, MD; Jade S. Hiramoto, MD**

Panel: **Daniela Branzan, MD; Joseph Lombardi, MD, MBA; Darren B. Schneider, MD; Brant W. Ullery, MD, MBA**

7:00am - 7:07am	Pro: Preoperative Spinal Drain Is Best Darren B. Schneider, MD
7:07am - 7:14am	Con: Postoperative Rescue Spinal Drain Is Best Brant W. Ullery, MD, MBA
7:14am - 7:25am	Panel Discussion
7:25am - 7:32am	Update on Risk Factors and Management of SCI for TAAA Repair Jade S. Hiramoto, MD
7:32am - 7:39am	Intercostal Artery Embolization to Prevent SCI: When and Where to Embolize? Daniela Branzan, MD
7:39am - 7:46am	Collateral Flow: Which Branches to Sacrifice or Save (SCI, Internal Iliac, and Celiac) Joseph Lombardi, MD, MBA
7:46am - 7:55am	Panel Discussion

CLTI Track - Monday, November 4

CASE PLANNING FOR CLTI CASES - 7:00am - 7:55am

Moderators: **Ehrin Armstrong, MD; Sanjay Misra, MD**

Panel: **Subhash Banerjee, MD; Yonatan Bitton-Faiwischewski, MD; Patrick Geraghty, MD; Nikki Keefe, MD; Melissa Kirkwood, MD**

7:00am - 7:07am	My Approach to Preprocedural Imaging Nikki Keefe, MD
7:07am - 7:14am	New Approaches to Radiation Protection for Complex CLTI Procedures Melissa Kirkwood, MD
7:14am - 7:21am	Access Sites: How I Prep My CLTI Case Yonatan Bitton-Faiwischewski, MD
7:21am - 7:32am	Panel Discussion
7:32am - 7:39am	Target Artery Path and Angiosomes: What Are the Preprocedural and Intraprocedural Considerations? Subhash Banerjee, MD
7:39am - 7:46am	Is There a Role for Endovascular Therapy in Rutherford 6/WIfI Stage 4 Patients? How Should I Approach These Patients? Patrick Geraghty, MD
7:46am - 7:55am	Panel Discussion

Vascular Care Team Symposium - Monday, November 4

FROM VARICOSE VEINS TO ULCERS: THE SPECTRUM OF VENOUS DISEASE - 8:00am - 9:00am

Moderators: **Ali Moran Baird, DNP, AGACNP; Parag J. Patel, MD, MS**

Panel: **Iris Baumgartner, MD; Gerard Bernales, MSN, APRN, FNP-C; Kathleen J. Ozsvath, MD; Akhilesh Sista, MD; Tiffany K. Street, DNP, ACNP-BC**

8:00am - 8:07am	Chronic Venous Disease: Diagnosis, Classification, and Management Tiffany K. Street, DNP, ACNP-BC
8:07am - 8:14am	Definitive Therapy of Superficial Venous Disorders Kathleen J. Ozsvath, MD
8:14am - 8:21am	Interventional Therapies for Chronic Venous Obstruction Iris Baumgartner, MD
8:21am - 8:30am	Panel Discussion
8:30am - 8:37am	Code Venous: How to Develop VTE Inpatient Programs Gerard Bernales, MSN, APRN, FNP-C
8:37am - 8:44am	Updates on Catheter-Directed Therapy for PE Akhilesh Sista, MD
8:44am - 8:51am	Post-Hospital Follow-Up Program for VTE Patients Ali Moran Baird, DNP, AGACNP
8:51am - 9:00am	Panel Discussion

CAROTID DISEASE: MEDICAL MANAGEMENT & REVASCULARIZATION - 9:00am - 10:00am

Moderators: **Ehrin Armstrong, MD; Christine T. Owen, MS, ACNP-BC, RNFA**

Panel: **Paul Davis, RN; William A. Gray, MD; Alex Powell, MD; Tiffany K. Street, DNP, ACNP-BC; Brant W. Ullery, MD, MBA**

9:00am - 9:07am	Advances in Stroke Intervention Paul Davis, RN
9:07am - 9:14am	Symptomatic and Asymptomatic Carotid Disease: Medical Therapy and Decision-Making for Revascularization Tiffany K. Street, DNP, ACNP-BC
9:14am - 9:21am	Innominate and Subclavian Artery Disease: How to Evaluate, When to Treat Alex Powell, MD
9:21am - 9:30am	Panel Discussion
9:30am - 9:37am	Carotid Endarterectomy vs Stenting: When to Choose Which Brant W. Ullery, MD, MBA
9:37am - 9:44am	New Advances in Carotid Stenting William A. Gray, MD
9:44am - 9:51am	Carotid Intervention: A Procedural Nurse's Perspective Christine T. Owen, MS, ACNP-BC, RNFA
9:51am - 10:00am	Panel Discussion

Global Theater - Monday, November 4

8:00am - 8:10am Welcome to VIVA 2024
Raghu Kolluri MD, MS
The VIVA Foundation Board President

LIVE CASE DEMONSTRATION - 8:10am - 8:45am

University Hospital Leipzig

Leipzig, Germany

Live Case Operator: **Andrej Schmidt, MD**

Moderators: **Sean P. Lyden, MD; Dierk Scheinert, MD**

Panel: **Steven Kum, MD; Jun Li, MD; Robert A. Morgan, MD; Sahil A. Parikh, MD; Mahmood Razavi, MD; Thomas Zeller, MD**

2024 AWARD PRESENTATIONS & ATLAS LECTURE - 8:45am - 9:25am

Award Presenters: **Venita Chandra, MD; Sean P. Lyden, MD; Saher Sabri, MD; Dierk Scheinert, MD**

8:45am - 8:50am ATLAS Award presented to **Alan Matsumoto, MD**
8:50am - 9:05am ATLAS Lecture | Mission vs Margin: The Clash of Cultures in Healthcare and
Importance of Physician Unity **Alan Matsumoto, MD**
9:05am - 9:12am LIVE Award presented to **Andrej Schmidt, MD**
9:12am - 9:19am VCA Award presented to **Jordan R. Stern, MD**
9:19am - 9:25am VCA Award presented to **Lorenzo Patrone, MD**

AHA & VIVA CAREER DEVELOPMENT RESEARCH UPDATE - 9:25am - 9:35am

9:25am - 9:30am More Than A Meeting **Saher Sabri, MD**
9:30am - 9:35am AHA Research Presentation **Behnood Bikdeli, MD, MS**

LIVE CASE DEMONSTRATION - 9:35am - 10:15am

University Hospital Leipzig

Leipzig, Germany

Live Case Operator: **Andrej Schmidt, MD**

Moderators: **Sean P. Lyden, MD; Dierk Scheinert, MD**

Panel: **Steven Kum, MD; Jun Li, MD; Robert A. Morgan, MD; Sahil A. Parikh, MD; Mahmood Razavi, MD; Thomas Zeller, MD**

LATE-BREAKING CLINICAL TRIALS - 10:45am - 12:00pm

Moderator: **Eric A. Secemsky, MD, MSc**

Panel: **J. Fritz Angle, MD; Iris Baumgartner, MD; Marc P. Bonaca, MD, MPH; Patrick Geraghty, MD; Misty Humphries, MD; Brian Pullin; Mehdi Shishehbor, DO, MPH, PhD**

10:45am - 11:00am Two-Year Outcomes of the LIFE-BTK Randomized Controlled Trial Evaluating the
Esprit™ BTK Drug-Eluting Resorbable Scaffold for Treatment of Infrapopliteal Lesions
Brian DeRubertis, MD
11:00am - 11:15am First Clinical Use of an Innovative Forward-Shifted Peripheral Intravascular
Lithotripsy System: Late-Breaking Primary Outcomes of the Mini S/FORWARD
PAD IDE Study **JD Corl, MD**

- 11:15am - 11:30am Thirty-Day Outcomes From the Disrupt PAD BTK II Study of the Shockwave Intravascular Lithotripsy System for Treatment of Calcified Below-the-Knee PAD
Venita Chandra, MD
- 11:30am - 11:45am Laser and Optics-Based Peripheral Intravascular Lithotripsy System for the Treatment of Above-the-Knee and Below-the-Knee Calcified Lesions: Results of the RESTORE ATK and RESTORE BTK Trials **Thomas Zeller, MD**
- 11:45am - 12:00pm Total REALITY: Comparison of Directional Atherectomy vs Balloon Predilatation Prior to Drug-Coated Balloon Treatment of Long, Calcified Femoropopliteal Lesions
Venita Chandra, MD

APPROPRIATENESS OF VASCULAR CARE AND THE EFFECT OF PRACTICE SETTING - 1:15pm - 2:05pm

Moderator: **Saher Sabri, MD**

Panel: **Jeff Carr, MD; Caitlin W. Hicks, MD, MS; Mahmood Razavi, MD; John H. Rundback, MD**

- 1:15pm - 1:22pm The Effect of Site of Service on Appropriateness of Vascular Interventions
Mahmood Razavi, MD
- 1:22pm - 1:29pm Establishing Quality Registries to Guide Practice in the Ambulatory Setting
Jeff Carr, MD
- 1:29pm - 1:36pm The Impact of Reimbursement for Endovascular Procedures on the Growth of Outpatient Vascular Practices
- 1:36pm - 1:44pm Panel Discussion
- 1:44pm - 1:51pm Debate: Atherectomy Has an Important Role in Endovascular Care if Used Appropriately **John H. Rundback, MD**
- 1:51pm - 1:58pm Debate: Atherectomy Is Rarely Required and It's Time for Rigorous Clinical Trials to Establish Its Role **Caitlin W. Hicks, MD, MS**
- 1:58pm - 2:05pm Panel Discussion

LIVE CASE DEMONSTRATION - 2:05pm - 3:15pm

OhioHealth Riverside Methodist Hospital

Columbus, Ohio

Live Case Operator: **D. Christopher Metzger, MD**

Moderator: **Parag J. Patel, MD, MS**

Panel: **Joseph Campbell, MD; Tony Das, MD; Joseph Lombardi, MD, MBA; Elina Quiroga, MD, MPH; Kenneth Rosenfield, MD, MHCDS**

LINC AT VIVA: OPEN QUESTIONS AND NEW APPROACHES FOR TREATMENT OF COMPLEX LOWER LIMB OBSTRUCTIONS - 3:45pm - 4:30pm

Moderators: **Ehrin Armstrong, MD; Dierk Scheinert, MD**

Panel: **Brian DeRubertis, MD; William A. Gray, MD; Tatsuya Nakama, MD; Sabine Steiner, MD**

- 3:45pm - 3:52pm How Do We Perform the Most Effective Vessel Preparation in Heavily Calcified Tibial Vessels? **Dierk Scheinert, MD**
- 3:52pm - 3:59pm Sirolimus vs Paclitaxel-Eluting Devices: Do We Really Need a New Drug and Where Do We Stand? **Sabine Steiner, MD**
- 3:59pm - 4:06pm Optimization of Localized Drug Delivery: Atherectomy, IVL, or Other Techniques?
William A. Gray, MD
- 4:06pm - 4:13pm Bioresorbable Scaffolds: Is This a Primary Therapy or an Adjunct for Tibial Intervention? **Brian DeRubertis, MD**

4:13pm - 4:20pm Periprocedural Microembolization: Is It a Relevant Problem and How Can We Approach It? **Tatsuya Nakama, MD**
4:20pm - 4:30pm Panel Discussion

LATE-BREAKING CLINICAL TRIALS - 4:30pm - 5:15pm

Moderator: **Ehrin Armstrong, MD**

Panel: **Bryan Fisher, MD; Raghu Kolluri, MD, MS; Jun Li, MD; Lindsay Machan, MD; Misti Malone, PhD; Niten Singh, MD; Peter A. Soukas, MD**

4:30pm - 4:45pm Prospective, Multicenter Evaluation of Transcarotid Artery Revascularization in Standard-Risk Patients: 30-Day Outcomes of the ROADSTER 3 Study
Meghan Dermody, MD
4:45pm - 5:00pm Two-Year Outcomes of the PERFORMANCE II Trial: A Prospective, Multicenter, Single-Arm Investigation of a 3-in-1 Carotid Stent System With Integrated Embolic Protection **William A. Gray, MD**
5:00pm - 5:15pm Healthcare Resource Utilization and Outcomes Among Patients With Intermediate-Risk PE Treated With Computer-Assisted Vacuum Thrombectomy vs Other Treatment Modalities **Parag J. Patel, MD, MS**
5:15pm - 5:30pm Complete Two-Year Outcomes in Patients Receiving Mechanical Thrombectomy for DVT in the CLOUT Registry **David J. Dexter, MD**

Roundtable - Monday, November 4

REVOLUTIONIZING HEALTHCARE: THE AI PRESCRIPTION FOR A HEALTHIER FUTURE | Non-CME

9:15am - 10:00am

Moderator: **Peter A. Schneider, MD**

Co-Moderator: **Tony Das, MD**

Panel: **Maureen P. Kohi, MD; Arthur Lee, MD; Alan Matsumoto, MD; Krishna Rocha-Singh, MD; Kenneth Rosenfield, MD, MHCDS; Mintu Turakhia, MS, MD**

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| 9:15am - 9:25am | Artificial Intelligence Will Improve Vascular Practice—Let Me Explain How
Tony Das, MD |
| 9:25am - 9:35am | Use of AI to Predict Adverse Outcomes and As a Decision Support Tool for Patient Monitoring and Device Surveillance Mintu Turakhia, MS, MD |
| 9:35am - 9:45am | What Is Generative AI and How Will it Impact Healthcare? Arthur Lee, MD |
| 9:45am - 10:00am | Roundtable Panel Discussion: How Do I See AI Fitting Into My Future Vascular Practice? |

WORLD INSIGHTS

11:15am - 12:00pm

Each presentation includes a panel discussion.

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|-------------------|---|
| 11:15am - 11:26am | Non-Atheromatous Extracranial Carotid Artery Aneurysms Souad Benallal, MD |
| 11:26am – 11:37am | Endovascular Treatment of Aortic Coarctation in Adolescents & Adults
Mohammed Nadjib Bouayed, PhD |
| 11:37am – 11:48am | Chronic Post Thrombotic Iliofemoral Vein Occlusion Treated With a Hybrid Technique Ernesto Anaya, MD |
| 11:48am – 12:00pm | Endovascular Management of Post Thrombotic Syndrome: Changing Lives in Northwest Mexico Alonso López, MD |

OPTIMIZING OUTCOMES IN FEMOROPOPLITEAL DISEASE INTERVENTIONS - 1:15pm - 2:15pm

Moderators: **Sean P. Lyden, MD; Matthew Menard, MD**

Panel: **Ehrin Armstrong, MD; Bryan Fisher, MD; Melissa Kirkwood, MD; Sahil A. Parikh, MD; Lorenzo Patrone, MD**

Each presentation includes a panel discussion.

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| 1:15pm - 1:27pm | Use of IVUS to Optimize Technical Outcomes in Femoropopliteal Interventions
Bryan Fisher, MD |
| 1:27pm - 1:39pm | Optimal Vessel Prep Before DCB or Scaffold Ehrin Armstrong, MD |
| 1:39pm - 1:51pm | Scaffold Choice Based on Lesion Characteristics Lorenzo Patrone, MD |
| 1:51pm - 2:03pm | DCB in Femoropopliteal Disease: Effect of the Drug and the Dose
Sahil A. Parikh, MD |
| 2:03pm - 2:15pm | Managing In-Stent Restenosis and Thrombus-Containing Lesions
Melissa Kirkwood, MD |

CASE STUDIES WITH THE FDA - 2:15pm - 3:15pm

Moderator: **Misti Malone, PhD; Peter A. Schneider, MD**

Panel: **Gary Ansel, MD; Herb Aronow, MD, MPH; Daniel Clair, MD; Brian Pullin; Mehdi Shishehbor, DO, MPH, PhD**

Each presentation includes a panel discussion.

2:15pm - 2:26pm	Renal Denervation: From Failed Study to New Tech Herb Aronow, MD, MPH
2:26pm - 2:37pm	The Impact of Bad Information Gary Ansel, MD
2:37pm - 2:48pm	Lessons Learned From BTK Device Approval Mehdi Shishehbor, DO, MPH, PhD
2:48pm - 2:59pm	How the 510k Pathway Left Us Short: The Story of Atherectomy Daniel Clair, MD
2:59pm - 3:10pm	The FDA's Approach to Long-Term Safety of Endovascular Aortic Repair Brian Pullin

THE STATE OF THE VASCULAR DEVICE INDUSTRY IN 2024 | Non-CME

3:45pm - 4:45pm

Moderator: **Tony Das, MD**

Co-Moderator: **Peter A. Schneider, MD**

Panel: **Gary Ansel, MD; Kathleen Gibson, MD; Michael R. Jaff, DO; John A. Kaufman, MD; John R. Laird, MD; Eric E. Roselli, MD**

Each presentation includes a panel discussion.

3:45pm - 3:55pm	Entering the Zone of Genius: How Medical Device Innovators Decide What to Invent Peter A. Schneider, MD
3:55pm - 4:05pm	What Will Be the Paradigm for Vascular Device Development Over the Next 10 Years? Michael R. Jaff, DO
4:05pm - 4:15pm	The Future of Device Innovation for Aortic Dissection and Arch Disease Eric E. Roselli, MD
4:15pm - 4:25pm	The Search for the Ideal PE Thrombectomy Device: Why Has the Space Exploded? John A. Kaufman, MD
4:25pm - 4:35pm	Implants Into Small Areas of Vasculature: How Small Can You Go? John R. Laird, MD
4:35pm - 4:45pm	Robotics Will Have a Key Role in Future Vascular Procedures: Fact or Fiction? Gary Ansel, MD

Strategies on the Frontline - Monday, November 4

ACUTE LIMB ISCHEMIA - 1:15pm - 2:05pm

Moderator: **Brian DeRubertis, MD**

Panel: **Subhash Banerjee, MD; Misty Humphries, MD; Robert A. Morgan, MD; Constantino Peña, MD; Ben Starnes, MD**

Each presentation includes a panel discussion.

1:15pm - 1:25pm	Endovascular Clot Extraction Case Subhash Banerjee, MD
1:25pm - 1:35pm	Open Thrombectomy Case Misty Humphries, MD
1:35pm - 1:45pm	Catheter-Directed Thrombolysis Case Robert A. Morgan, MD
1:45pm - 1:55pm	Combination of Thrombolysis and Thrombectomy Case Constantino Peña, MD
1:55pm - 2:05pm	Limb Salvage Case Requiring Fasciotomy Ben Starnes, MD

VTE CLOT MANAGEMENT - 2:05pm - 2:55pm

Moderator: **Eric A. Secemsky, MD, MSc**

Panel: **Steven Abramowitz, MD; Stephen Black, MD; Nikki Keefe, MD; Daniel Leung, MD; Jun Li, MD**

Each presentation includes a panel discussion.

2:05pm - 2:15pm	Clot Extraction Case for Iliofemoral DVT: Popliteal Access Nikki Keefe, MD
2:15pm - 2:25pm	Clot Extraction Case for Iliofemoral DVT: Tibial Access Daniel Leung, MD
2:25pm - 2:35pm	Iliac Stenting Post-DVT Clot Extraction Case Stephen Black, MD
2:35pm - 2:45pm	IVC Thrombosis Associated With IVC Filter Case Steven Abramowitz, MD
2:45pm - 2:55pm	Difficult PE Thrombectomy Case Jun Li, MD

NOTHING BUT CALCIUM - 3:45pm - 4:30pm

Moderator: **Parag J. Patel, MD, MS**

Panel: **Robert Beasley, MD; Rabih Chaer, MD; Yana Etkin, MD; Prakash Krishnan, MD; Mike Watts, MD**

Each presentation includes a panel discussion.

3:45pm - 3:54pm	Challenging Iliac Calcium Case Mike Watts, MD
3:54pm - 4:03pm	Challenging Femoropopliteal Calcium Case: IVL Yana Etkin, MD
4:03pm - 4:12pm	Challenging Femoropopliteal Calcium Case: Atherectomy Prakash Krishnan, MD
4:12pm - 4:21pm	Challenging Tibial Calcium Case Robert Beasley, MD
4:21pm - 4:27pm	Open Bypass for Advanced Calcium Case Rabih Chaer, MD

Aortic Track - Tuesday, November 5

LEFT SUBCLAVIAN REVASCULARIZATION - 7:00am - 7:55am

Moderator: **Sean P. Lyden, MD; Constantino Peña, MD**

Panel: **Matthew Eagleton, MD; Sukgu M. Han, MD; Jean Panneton, MD; Jordan R. Stern, MD; Sara L. Zettervall, MD, MPH**

7:00am - 7:07am	In-Situ Laser Fenestration and Chimneys Are Best for LSCA Revascularization Jean Panneton, MD
7:07am - 7:14am	Early Experience With Gore TBE Sara L. Zettervall, MD, MPH
7:14am - 7:21am	Techniques and Outcomes for Bypass and Transposition of LSCA Jordan R. Stern, MD
7:21am - 7:32am	Panel Discussion
7:32am - 7:39am	Rising Platforms for Arch Branch Treatment Matthew Eagleton, MD
7:39am - 7:46am	Surgical Arch Debranching Techniques Sukgu M. Han, MD
7:46am - 7:55am	Panel Discussion

CLTI Track - Tuesday, November 5

CLTI: BEST OF THE BEST & WORST OF THE WORST CASES - 7:00am - 7:55am

Moderator: **Misty Humphries, MD; Matthew Menard, MD**

Panel: **Robert Beasley, MD; Zola N'Dandu, MD; Ryan Schenning, MD**

Each presentation includes a panel discussion.

7:00am - 7:14am	My Best Case of the Year Matthew Menard, MD
7:14am - 7:28am	My Best Case of the Year Zola N'Dandu, MD
7:28am - 7:42am	Not What I Expected Ryan Schenning, MD
7:42am - 7:55am	Not What I Expected Robert Beasley, MD

Global Theater - Tuesday, November 5

LIVE CASE DEMONSTRATION - 8:00am - 8:35am

Klinikum Hochsauerland

Arnsberg, Germany

Live Case Operator: **Michael Lichtenberg, MD**

Moderator: **Saher Sabri, MD**

Panel: **Iris Baumgartner, MD; Lawrence A. Garcia, MD; Patrick Geraghty, MD;**

Kathleen Gibson, MD; Constantino Peña, MD; Lorenzo Patrone, MD; Mitchell D. Weinberg, MD

IMPROVING VASCULAR CARE FOR THE DISADVANTAGED: IS THERE HOPE ON THE HORIZON?

8:35am - 9:35am

Moderator: **Niten Singh, MD**

Panel: **Joshua Beckman, MD; Bryan Fisher, MD; Misti Malone, PhD; Elina Quiroga, MD, MPH;**

Vincent L. Rowe, MD; Megan Tracci, MD

8:35am - 8:45am	How to Advocate for Improved Coverage in Congress Megan Tracci, MD
8:45am - 8:53am	PAD Collaborative and the Amputation Heat Map: How to Utilize This Tool Joshua Beckman, MD
8:53am - 9:01am	How to Take the Principles of “Safety Net” Hospitals and Make This the Standard of Care in All Communities Vincent L. Rowe, MD
9:01am - 9:11am	Panel Discussion
9:11am - 9:19am	Have We Made Any Progress With Combating Bias In Research? Elina Quiroga, MD, MPH
9:19am - 9:27am	Putting It All Together: Goals Achieved and Goals We Are Still Working Toward Bryan Fisher, MD
9:27am - 9:35am	Panel Discussion

LIVE CASE DEMONSTRATION 9:35am - 10:15am

Klinikum Hochsauerland

Arnsberg, Germany

Live Case Operator: **Michael Lichtenberg, MD**

Moderator: **Saher Sabri, MD**

Panel: **Iris Baumgartner, MD; Lawrence A. Garcia, MD; Patrick Geraghty, MD;**

Kathleen Gibson, MD; Constantino Peña, MD; Lorenzo Patrone, MD; Mitchell D. Weinberg, MD

LATE-BREAKING CLINICAL TRIALS - 10:45am - 12:00pm

Moderator: **Brian DeRubertis, MD**

Panel: **Andrew Holden, MBChB; Matthew Menard, MD; Robert M. Schainfeld, DO; Kayla M. Scott, PhD;**

Sabine Steiner, MD; Christopher J. White, MD; Luke R. Wilkins, MD

10:45am - 11:00am	Two-Year Outcomes From the PROMISE II Trial of Transcatheter Arterialization of the Deep Veins Daniel Clair, MD
11:00am - 11:15am	Final Results of the DETOUR2 Study: Durability of Percutaneous Transmural Arterial Bypass for Treatment of Complex Femoropopliteal Disease Sean P. Lyden, MD
11:15am - 11:30am	Retrievable Scaffold Therapy in Combination With a Paclitaxel-Coated Balloon: Two-Year Results of the DEEPER OUS Trial Thomas Zeller, MD

- 11:30am - 11:45am How Sirolimus-Coated Balloon Angioplasty Compares to Various Paclitaxel-Coated Balloon Types—A Post Hoc Analysis of the Randomized SIRONA Trial
Ulf Teichgräber, MD
- 11:45am - 12:00pm Impact of the Global Limb Anatomic Staging System (GLASS) on Clinical Outcomes in the LIFE-BTK Randomized Controlled Trial **Hector M. Garcia-Garcia, MD, PhD**

GREAT DEBATES: CLTI INTERVENTION - 1:15pm - 1:40pm

Moderator: **Kenneth Rosenfield, MD, MHCDS**

Panel: **Frank R. Arko, MD; Venita Chandra, MD; Tony Das, MD; Matthew Menard, MD; Sanjay Misra, MD**

- 1:15pm - 1:22pm RCTs Support Infrainguinal Bypass With Vein as the Primary Mode of Revascularization in CLTI **Matthew Menard, MD**
- 1:22pm - 1:29pm The RCTs Do Not Represent Real-World Data: Endo First Is Still My Choice for CLTI **Tony Das, MD**
- 1:29pm - 1:40pm Panel Discussion

GREAT DEBATES: THE CAROTID NCD - 1:40pm - 2:05pm

Moderator: **Sean P. Lyden, MD**

Panel: **Venita Chandra, MD; William A. Gray, MD; Joseph Lombardi, MD, MBA; D. Christopher Metzger, MD; Niten Singh, MD; Megan Tracci, MD; Christopher J. White, MD**

- 1:40pm - 1:47pm The NCD Update for Carotid Intervention Will Improve Carotid Care
Christopher J. White, MD
- 1:47pm - 1:54pm The NCD Update Will Lead to Unnecessary Procedures and Negatively Affect Outcomes **Megan Tracci, MD**
- 1:54pm - 2:05pm Panel Discussion

LIVE CASE DEMONSTRATION 2:05pm - 3:15pm

Penn Medicine - The Hospital of the University of Pennsylvania
Philadelphia, Pennsylvania

Live Case Operator: **Liz Genovese, MD, MS**

Moderator: **Niten Singh, MD**

Panel: **J. Fritz Angle, MD; Gary Ansel, MD; Javairiah Fatima, MD; Andrew Holden, MBChB; Joseph Lombardi, MD, MBA; Elina Quiroga, MD, MPH; Ben Starnes, MD**

DISRUPTIVE TECHNOLOGIES IN CLTI - 3:45pm - 4:30pm

Moderator: **Venita Chandra, MD**

Panel: **Daniel Clair, MD; Tony Das, MD; Andrew Holden, MBChB; Steven Kum, MD; Sahil A. Parikh, MD; Saher Sabri, MD; Jill Sommerset RVT**

- 3:45pm - 3:52pm Specialty Balloons and the Future of DCB Technologies in BTK
Andrew Holden, MBChB
- 3:52pm - 3:59pm Bioresorbable Scaffolds in BTK Disease: Can Other Scaffolds Provide Similar Outcomes? **Sahil A. Parikh, MD**
- 3:59pm - 4:06pm Technical Considerations for Durable Outcomes in DVA **Daniel Clair, MD**
- 4:06pm - 4:11pm Panel Discussion

4:11pm - 4:18pm	Advanced Ultrasound Imaging of BTA Circulation: Effect on Outcomes Jill Sommerset, RVT
4:18pm - 4:25pm	Effect of Calcium Scoring and Plantar Disease Burden on Successful BTA Interventions Steven Kum, MD
4:25pm - 4:30pm	Panel Discussion

LATE-BREAKING CLINICAL TRIALS 4:30pm - 5:15pm

Moderator: **Joshua Beckman, MD**

Panel: **Misty Humphries, MD; Zola N'Dandu, MD; Krina Patel; Vincent L. Rowe, MD;
Eric A. Secemsky, MD, MSc; Nora Tabori, MD**

4:30pm - 4:45pm	Diversity, Equity, and Inclusion in the LIFE-BTK Trial Evaluating the Esprit™ BTK Drug-Eluting Resorbable Scaffold for Treatment of Infrapopliteal Lesions in Patients With CLTI Lawrence A. Garcia, MD
4:45pm - 5:00pm	STRIDE Study Suggests Race, Not Sex, Is Associated With Outcomes in Acute Limb Ischemia Treated With Mechanical Aspiration Thrombectomy Alex Powell, MD
5:00pm - 5:15pm	Endovascular PAD Treatment With Drug-Eluting Devices in a Registry Focused on Underrepresented Minorities and Women: 12-Month Clinical Results From the First 500 ELEGANCE Registry Patients Jay Giri, MD, MPH

Roundtable - Tuesday, November 5

CAROTID INTERVENTIONS - 8:00am - 8:50am

Moderators: **Gary Ansel, MD; Tony Das, MD**

Panel: **J. Michael Bacharach, MD; Rabih Chaer, MD; Jade S. Hiramoto, MD; D. Christopher Metzger, MD; Kenneth Rosenfield, MD, MHCDS**

Each presentation includes a panel discussion.

8:00am - 8:10am	Changes to Carotid Care After NCD Update 20.7 Kenneth Rosenfield, MD, MHCDS
8:10am - 8:20am	When CEA Is Best Jade S. Hiramoto, MD
8:20am - 8:30am	When TCAR Is Best Rabih Chaer, MD
8:30am - 8:40am	When CAS Is Best J. Michael Bacharach, MD
8:40am - 8:50am	New Developments in Protection and Devices for TCAR and CAS D. Christopher Metzger, MD

CLTI DEBATES 8:50am - 9:35am

Moderator: **Parag J. Patel, MD, MS**

Panel: **Brian DeRubertis, MD; Arthur Lee, MD; Leigh Ann O'Banion, MD; Luke Wilkins, MD; August Ysa, MD; Thomas Zeller, MD**

8:50am - 8:56am	Retrograde Access for Long Tibial CTO - Preferred Option Luke Wilkins, MD
8:56am - 9:02am	Pedal Bypass With Vein for Long Tibial CTO - Preferred Option Leigh Ann O'Banion, MD
9:02am - 9:05am	Panel Discussion
9:05am - 9:11am	Pedal Loop for BTA - Primary Strategy Arthur Lee, MD
9:11am - 9:17am	DVA for BTA SAD - Primary Strategy August Ysa, MD
9:17am - 9:20am	Panel Discussion
9:20am - 9:26am	BTK Scaffolds - The Data Supports It Brian DeRubertis, MD
9:26am - 9:32am	Leave No Metal Behind - The Data Is Coming for BTK DCBs Thomas Zeller, MD
9:32am - 9:35am	Panel Discussion

RENAL DENERVATION - 9:35am - 10:15am

Moderators: **Teresa L. Carman, MD; Sanjay Misra, MD**

Panel: **Jay Giri, MD, MPH; Prakash Krishnan, MD; Lindsay Machan, MD; Gaurav Parmar, MD, MPH, Eric A. Secemsky, MD, MSc**

Each presentation includes a panel discussion.

9:35am - 9:45am	Current Evidence for Renal Denervation Prakash Krishnan, MD
9:45am - 9:55am	Patient Selection for Renal Denervation Jay Giri, MD, MPH
9:55am - 10:05am	Procedural Pitfalls for Renal Denervation Lindsay Machan, MD
10:05am - 10:15am	The Noninterventionalist's Perspective: How Can Renal Denervation Impact My Practice? Gaurav Parmar, MD, MPH

WORLD INSIGHTS

11:00am - 12:00pm

Each presentation includes a panel discussion.

Moderator: **Raghu Kolluri, MD, MS**

Panel: **Ehrin Armstrong, MD; Daniela Branzan, MD; Steven Kum, MD; Constantino Peña, MD; Saher Sabri, MD**

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| 11:00am - 11:10am | Radial-to-Peripheral (R2P) Approach to SFA CTO: Its Limitations and Troubleshooting Esmond Yan Hang Fong, MD |
| 11:10am - 11:20am | Clinical Characteristics and Risk Factors for Pseudoaneurysm After Femoral Access Hyuk Jae Jung, MD |
| 11:20am - 11:30am | Combined Sheathless Femoral and Popliteal Access for Chronic Total Occlusion from the External Iliac to Distal Superficial Femoral Artery Jung-Hee Lee, MD |
| 11:30am - 11:40am | Successful Reverse CART Technique With BeBack Crossing Catheter for Iliac Artery CTO via R2P System Yeung Yin Kei, MBChB |
| 11:40am - 11:50am | Performance of a Novel Sirolimus Eluting Balloon in Peripheral Arterial Disease: 6-Month Results From the SUCCESS PTA Study Thomas Zeller, MD |
| 11:50am - 12:00pm | Innovative Hybrid Nano-Coated Ultrathin Nitinol Stent for Below-the-Knee Atherosclerotic Disease: "Leave the Right Thing Behind" Concept Terumitsu Hasebe, MD, PhD |

LINC AT VIVA: ADVANCED BTK & INFRAMALLEOLAR INTERVENTIONS | 1:15pm - 2:15pm

Moderators: **D. Christopher Metzger, MD; Thomas Zeller, MD**

Panel: **Ehrin Armstrong, MD; Lorenzo Patrone, MD; Peter A. Schneider, MD; Sabine Steiner, MD**

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| 1:15pm - 1:22pm | How to Implement the "Woundosome" Concept in Clinical Care Lorenzo Patrone, MD |
| 1:27pm - 1:34pm | Techniques and Durability of Infra-Malleolar Intervention Ehrin Armstrong, MD |
| 1:39pm - 1:46pm | The Challenge of Calcium in BTK Vessels: How to Achieve a Successful Vessel Preparation Thomas Zeller, MD |
| 1:51pm - 1:58pm | After So Many Failed Trials, What Does It Take to Finally Be Successful With DCBs for BTK? Sabine Steiner, MD |
| 2:03pm - 2:10pm | Hope for "No Hope" Patients? What Is the Role Deep Vein Arterialization in a CLTI Treatment Strategy? Peter A. Schneider, MD |

VTE UPDATES 2:15pm - 3:15pm

Moderators: **Kathleen Gibson, MD; Akhilesh Sista, MD**

Panel: **Iris Baumgartner, MD; Kush R. Desai, MD; John Moriarty, MD; Robert M. Schainfeld, DO; Mitchell D. Weinberg, MD**

Each presentation includes a panel discussion.

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| 2:15pm - 2:27pm | Technical Considerations for Iliofemoral DVT Thrombectomy Kathleen Gibson, MD |
| 2:27pm - 2:39pm | Managing Acute Iliocaval Thrombosis: Thrombolysis, Thrombectomy, and Distal Protection Kush R. Desai, MD |
| 2:39pm - 2:51pm | Should All IVC Filters Eventually Be Removed, or Just Some? Robert M. Schainfeld, DO |

2:51pm - 3:03pm PE CDT: Device Design and Impact on Thrombus Extraction
John Moriarty, MD
3:03pm - 3:15pm Role of CDL in the Era of Large Bore Thrombectomy Devices
Mitchell D. Weinberg, MD

SAVING LIMBS: BEYOND THE INTERVENTION | 3:45pm - 4:30pm

Moderator: **Eri Fukaya, MD, PhD; Raghu Kolluri, MD, MS**

Panel: **Jake Hemingway, MD; Matthew Menard, MD; Robert M. Schainfeld, DO**

Each presentation includes a panel discussion.

3:45pm - 3:56pm Implementing an Appropriate Care Pathway for Limb Salvage
Matthew Menard, MD
3:56pm - 4:07pm Patient-Specific Wound Care Decisions: Determining Appropriate Time,
Resources, and Management of Vascular Wounds **Eri Fukaya, MD, PhD**
4:07pm - 4:18pm Optimal Algorithm for Skin Substitute in VLU and DFUs
Jake Hemingway, MD
4:18pm - 4:30pm Optimal Medical Therapy and Follow-Up Imaging Post CLTI Intervention
Robert M. Schainfeld, DO

Strategies on the Frontline - Tuesday, November 5

CLTI: BTK & BTA - 8:00am - 8:55am

Moderator: **Ehrin Armstrong, MD**

Panel: **Aparna Baheti, MD; Yonatan Bitton-Faiwischewski, MD; Kumar Madassery, MD;**

Zola N'Dandu, MD; John H. Rundback, MD

Each presentation includes a panel discussion.

8:00am - 8:11am	Retrograde Tibial Access Case Aparna Baheti, MD
8:11am - 8:11am	Tibial Scaffold Case Yonatan Bitton-Faiwischewski, MD
8:22am - 8:33am	Pedal Loop Case John H. Rundback, MD
8:33am - 8:44am	DVA for Advanced SAD Case: Initial Intervention Kumar Madassery, MD
8:44am - 8:55am	DVA for Advanced SAD Case: Secondary Intervention Zola N'Dandu, MD

MY LONELIEST CASE & WHAT I LEARNED: ARTERIAL 8:55am - 9:50am

Moderator: **D. Christopher Metzger, MD**

Panel: **Joseph Lombardi, MD, MBA; Alex Powell, MD; Sameh Sayfo, MD, MBA; Warren Swee, MD, MPH;**

Sara L. Zettervall, MD, MPH

Each presentation includes a panel discussion.

8:55am - 9:06am	AAA Case Sara L. Zettervall, MD, MPH
9:06am - 9:17am	Thoracic Aortic Case Joseph Lombardi, MD, MBA
9:17am - 9:28am	Aortoiliac Occlusion Case Sameh Sayfo, MD, MBA
9:28am - 9:39am	Multi-Level CTO Case Warren Swee, MD, MPH
9:39am - 9:50am	Popliteal Aneurysm Case Alex Powell, MD

MY LONELIEST CASE & WHAT I LEARNED: VENOUS - 1:15pm - 2:05pm

Moderator: **Parag J. Patel, MD, MS**

Panel: **William C. Dixon IV, MD; Dejah Judelson, MD; Warren Swee, MD, MPH; Nora Tabori, MD;**

Luke Wilkins, MD

Each presentation includes a panel discussion.

1:15pm - 1:25pm	PE Case William C. Dixon IV, MD
1:25pm - 1:35pm	IVC Filter Retrieval Case Warren Swee, MD, MPH
1:35pm - 1:45pm	Iliocaval Reconstruction Case Luke Wilkins, MD
1:45pm - 1:55pm	Central Venous Obstruction Case Nora Tabori, MD
1:55pm - 2:05pm	Dialysis Access Case Dejah Judelson, MD

PAIN IN THE NECK 2:05pm - 2:55pm

Moderator: **Tony Das, MD**

Panel: **Misty Humphries, MD; Jason T. Lee, MD; Jean Panneton, MD; Brian J. Schiro, MD; Peter A. Soukas, MD**

Each presentation includes a panel discussion.

2:05pm - 2:15pm	Challenging Transfemoral CAS Case Peter A. Soukas, MD
2:15pm - 2:25pm	Challenging Brachiocephalic Case Jason T. Lee, MD
2:25pm - 2:35pm	TCAR Case Misty Humphries, MD
2:35pm - 2:45pm	Subclavian Occlusion Case Brian J. Schiro, MD
2:45pm - 2:55pm	Challenging Open CEA Case Jean Panneton, MD

ENDOLEAK & RESIDUAL AORTIC SAC PERFUSION MANAGEMENT - 3:45pm - 4:30pm

Moderator: **Sean P. Lyden, MD**

Panel: **Frank R. Arko, MD; Javairiah Fatima, MD; Constantino Peña, MD; Ryan Schenning, MD; Jordan R. Stern, MD**

Each presentation includes a panel discussion.

3:45pm - 3:54pm	Type II Endoleak Case: Translumbar Constantino Peña, MD
3:54pm - 4:03pm	Type II Endoleak Case: Transarterial Ryan Schenning, MD
4:03pm - 4:12pm	Type II Endoleak Case: Transcaval Jordan R. Stern, MD
4:12pm - 4:21pm	Type I Endoleak Case: Going Behind or Through the Device Javairiah Fatima, MD
4:21pm - 4:30pm	Type I Endoleak Case: Endoanchors Frank R. Arko, MD

Discovery Theater - Wednesday, November 6

The Discovery Theater is designed to facilitate discussion between the presenters and audience in an intimate setting. Several of the focused discussion topics are scheduled simultaneously at different stations in the theater.

MASTER WORKSHOP - 8:00am - 9:00am

Moderator: **Eric A. Secemsky, MD, MSc**

Faculty members will discuss their most-used devices and products.

- | | |
|-----------------|--|
| 8:00am - 8:30am | Fem-Pop Occlusions
Lawrence A. Garcia, MD; Warren Swee, MD |
| 8:00am - 8:30am | Venous: Acute Thrombus Removal
Yana Etkin, MD; Daniel Leung, MD |
| 8:30am - 9:00am | Below-the-Knee Occlusions
Andrew Holden, MBChB; Mitchell D. Weinberg, MD |

CROSSROADS: INTERACTIVE CASES - 9:00am - 10:00am

Moderator: **Venita Chandra, MD**

Faculty members will present challenging cases that invite audience questions and input throughout the presentation.

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|------------------|---|
| 9:00am - 9:30am | Aortoiliac Occlusions
Jon George, MD; Jake Hemingway, MD |
| 9:00am - 9:30am | Visceral Arterial Interventions
Julie Bulman, MD; Shawn Sarin, MD |
| 9:30am - 10:00am | Below-the-Knee CLTI
William C. Dixon IV, MD; Mike Watts, MD |
| 9:30am - 10:00am | Deep Vein Reconstruction
Yolanda Bryce, MD; Kush Desai, MD |

Spotlight Theater - Wednesday, November 6

VASCULAR DRAMA: FROM DISASTER TO SUCCESS - 8:00am - 9:00am

Moderator: **Kathleen Gibson, MD**

Panel: **Osman Ahmed, MD; Yolanda Bryce, MD; Frank Caputo, MD; William C. Dixon IV, MD; Shawn Sarin, MD**

Each presentation includes a panel discussion.

8:00am - 8:12am	Challenging Case: Deep Venous Yolanda Bryce, MD
8:12am - 8:24am	Challenging Case: Dialysis/Central Venous Occlusions Osman Ahmed, MD
8:24am - 8:36am	Challenging Case: PE William C. Dixon IV, MD
8:36am - 8:48am	Challenging Case: Visceral Frank Caputo, MD
8:48am - 9:00am	Challenging Case: Maldeployment Shawn Sarin, MD

VASCULAR DRAMA: FROM DISASTER TO SUCCESS - 9:00am - 10:00am

Moderator: **Saher Sabri, MD**

Panel: **Frank R. Arko, MD; Daniela Branzan, MD; Lawrence A. Garcia, MD; Warren Gasper, MD; Sameh Sayfo, MD, MBA**

Each presentation includes a panel discussion.

9:00am - 9:12am	Challenging Case: Fem-Pop Scaffold Lawrence A. Garcia, MD
9:12am - 9:24am	Challenging Case: Tibial Sameh Sayfo, MD, MBA
9:24am - 9:36am	Challenging Case: Carotid Daniela Branzan, MD
9:36am - 9:48am	Challenging Case: Thoracic Dissection Frank R. Arko, MD
9:48am - 10:00am	Challenging Case: AAA Warren Gasper, MD

FACE-OFF WINNERS' CIRCLE - 10:15am - 10:45am

Moderator: **Niten Singh, MD**

Top scorers of the Face-Off competition will be announced and will give their winning presentations.

LATE-BREAKING TRIALS REVISITED: WHAT HAVE WE LEARNED? | 10:45am - 11:30am

Moderator: **D. Christopher Metzger, MD**

Panel: **Ehrin Armstrong, MD; Venita Chandra, MD; Brian DeRubertis, MD; Andrew Holden, MBChB; Sean P. Lyden, MD**

10:45am - 11:00am	LIFE-BTK Brian DeRubertis, MD
11:00am - 11:15am	Disrupt PAD Ehrin Armstrong, MD
11:15am - 11:30am	DETOUR2 Sean P. Lyden, MD