

MIDWESTERN VASCULAR 2022  
47<sup>th</sup> Annual Meeting  
September 15-17, 2022  
JW Marriott & DeVos Place  
Grand Rapids, MI

2022 PRELIMINARY PROGRAM

**THURSDAY, SEPTEMBER 15, 2022**

7:00 – 8:30 AM INDUSTRY APPRECIATION BREAKFAST (JW Marriott – Invite only)

7:00 – 11:30 AM SIMULATION COURSE

8:45 – 11:15 AM MVSS EXECUTIVE COUNCIL MEETING (JW Marriott)

11:30 – 12:20 PM INDUSTRY SPONSORED LUNCH SYMPOSIUM

12:30 PM WELCOME/INTRODUCTORY REMARKS  
Raghu L. Motaganahalli, MD, President

**12:30 – 1:40 PM SCIENTIFIC SESSION 1**

**Moderators:**

- 12:30 †1. **Evaluation of the Artegraft Conduit for Lower Extremity Revascularization: Retrospective Analysis of Outcomes When Used in the Situation of No Available Autologous Saphenous Vein for Conduit in Lower Extremity Bypass Procedures**  
*David A. Shanberg, MD, Karl Stark, MD, Scott Kujath, MD, Ingrid Hsiung, MD  
Midwest Aortic & Vascular Institute (MAVI), Kansas City, MO*
- 12:40 †2. **Association of Frailty Score and Surgical Site Infection After Lower Extremity Revascularization**  
*Andrew Edsall, MD, Andrew Borgert, PhD, Alec Fitzsimmons, MPH, Irina Shakhnovich, MD  
Department of Surgery, Gundersen Health System, La Crosse, WI*
- 12:50 †3. **Wound Complications Following Venous-arterial Ecmo Decannulation is Associated with Covid-19 Infection and Ipsilateral Dual Cannulation**  
*Aditya Safaya, MD, Sung Yang, MD, Joseph Giglia, MD, Jose Oyama Moura Leite, MD, PhD  
University of Cincinnati, Cincinnati, OH*
- 1:00 †4. **Impact of Care Fragmentation After Major Lower Extremity Amputation**  
*Urie R. Braedon<sup>1</sup>, Taylor Laskowski<sup>1</sup>, Michele Richard, MD<sup>2</sup>, Nikita Tihonov, MD<sup>2</sup>, Daniel Katz, MD<sup>2</sup>,  
Walter J. McCarthy, MD<sup>2</sup>, Alexandre d'Audiffret, MD<sup>2</sup>, Sungho Lim, MD<sup>3</sup>  
<sup>1</sup>Rush Medical College, Chicago, IL, <sup>2</sup>Rush University Medical Center, Chicago, IL,  
<sup>3</sup>Cardiovascular and Thoracic Surgery, Rush University Medical Center, Chicago, IL*
- 1:10 †5. **Combined Antiplatelet and Novel Oral Anticoagulant Therapy is Increasingly Utilized But Associated with Worse Limb Outcomes and Equivalent Survival Compared to Antiplatelet And Warfarin and Antiplatelet Therapy Alone After Suprainguinal Bypass for Peripheral Artery Disease**  
*Syed MR Zaidi, MD<sup>1</sup>, Mojahid Ali, MD<sup>1</sup>, Kristin Delfino, PhD<sup>2</sup>, Sharon Kim, PhD<sup>2</sup>, Tian Zhang, MD<sup>1</sup>,  
Douglas Hood, MD<sup>1</sup>, William P. Robinson, MD<sup>1</sup>*

<sup>1</sup>Division of Vascular Surgery, Department of Surgery, Southern Illinois University School of Medicine, Springfield, IL, <sup>2</sup>Center for Clinical Research, Southern Illinois University School of Medicine, Springfield, IL

- 1:20 †6. **Comparative Analysis of Outcomes of Endovascular Aortic Repair and Aortobifemoral Bypass For Aortoiliac Occlusive Disease**  
*Benjamin Liu, BS, Chase Schlesselman, MPH, BS, Todd R. Vogel, MD, Jonathan Bath, MD*  
<sup>1</sup>University of Missouri, Columbia, MO
- 1:30 †7. **Utilization of Preoperative Vein Mapping in Patients Undergoing Infra-inguinal Bypass is Associated with Increased Use of Venous Conduits**  
*Abdul Kader Natour, MD<sup>1</sup>, Alexander D. Shepard, MD<sup>1</sup>, Timothy Nypaver, MD<sup>1</sup>, Robert Cuff, MD<sup>2</sup>, Nicholas J. Mouawad, MD<sup>3</sup>, Mark Mattos, MD<sup>4</sup>, Peter Henke, MD<sup>5</sup>, Loay Kabbani, MD<sup>1</sup>*  
<sup>1</sup>Henry Ford Health System, Detroit, MI, <sup>2</sup>Spectrum Health Butterworth Hospital, Grand Rapids, MI, USA, <sup>3</sup>McLaren Health Care System, Bay City, MI, <sup>4</sup>McLaren Health Care System, Flint, MI, <sup>5</sup>University of Michigan Health, Ann Arbor, MI

**1:40 – 2:00 PM COFFEE BREAK (Visit Exhibits)**

**2:00 – 3:10 PM SCIENTIFIC SESSION 2**

**Moderators:**

- 2:00 †8. **Erector Spinae Block Reduces Opioid Use After Transaxillary First Rib Resection**  
*Alex Marrone, MD, R James Valentine, MD, James Flaherty, MD<sup>1</sup>, Amy B. Reed, MD*  
*University of Minnesota, Minneapolis, MN*
- 2:10 †9. **Regional Variation in Patient Selection, Practice Patterns and Outcomes Based on Techniques for Carotid Artery Revascularization in the Vascular Quality Initiative**  
*Hanaa Dakour Aridi, MD<sup>1</sup>, Punit Vyas<sup>1</sup>, Marc Schermerhorn<sup>2</sup>, Mahmoud Malas, MD<sup>3</sup>, Vikram Kayshap, MD<sup>4</sup>, Raghu Motaganahalli, MD<sup>1</sup>*  
<sup>1</sup>Indiana University School of Medicine, Indianapolis, IN, <sup>2</sup>Beth Israel Deaconess Medical Center, Boston, MA, <sup>3</sup>University of California San Diego, San Diego, CA, <sup>4</sup>University Hospitals Cleveland Medical Center, Cleveland, OH
- 2:20 †10. **Risk Factors for Lower Extremity Vascular Complications in Patients on Venous-arterial Extracorporeal Membrane Oxygenation**  
*Chesney Siems, MD, R. James Valentine, MD, Julie Duke, MD, Melissa Brunsvold, MD, Amy B. Reed, MD*  
*University of Minnesota, Minneapolis, MN*
- 2:30 †11. **Re-vascularization of Left Subclavian Artery May Not Influence the Incidence of Spinal Cord Injury After Endovascular Repair of Acute Type B Aortic Dissection**  
*Abdul Kader Natour, MD, Alexander D. Shepard, MD, Mitchell Weaver, MD, Andy Peshkepija, MD, Timothy Nypaver, MD, Loay Kabbani, MD.*  
*Henry Ford Health System, Detroit, MI*
- 2:40 †12. **Incidence and Risk Factors for Interval Aortic Events During Staged Fenestrated-Branched Endovascular Aortic Repair**  
*Nolan C. Cirillo-Penn, MD<sup>1</sup>, Emanuel R. Tenorio, MD<sup>2</sup>, Luis C. Cajas, MD<sup>1</sup>, Mario D'Oria, MD<sup>3</sup>, Bernardo C. Mendes, MD<sup>1</sup>, Gustavo S. Oderich, MD<sup>2</sup>, Randall R. DeMartino, MD<sup>1</sup>*

<sup>1</sup>Mayo Clinic, Rochester, MN, <sup>2</sup>University of Texas Health Science Center at Houston, Houston, TX,  
<sup>3</sup>Trieste University Hospital ASUIGI, Trieste, Italy

- 2:50      **13. Genetic Risk Score Can Supplement Current Guidelines to Identify Patients at Elevated Risk for Abdominal Aortic Aneurysms**  
David Jiang, MD<sup>1</sup>, Zhuqing Shi, PhD<sup>2</sup>, Jun Wei, PhD<sup>2</sup>, Siqun L. Zhang, PhD<sup>2</sup>, Brian Helfand, MD<sup>2</sup>, Benjamin Lind, MD<sup>2</sup>, William Yoon, MD<sup>2</sup>, Omar Morcos, MD<sup>2</sup>, Cheong J. Lee, MD<sup>2</sup>, Jianfeng Xu, MD<sup>2</sup>  
<sup>1</sup>Surgery, University of Chicago Medicine, Chicago, IL, <sup>2</sup>NorthShore University HealthSystem, Evanston, IL
- 3:00      **14. High Incidence of Type-2 Endoleak and Low Associated Adverse Events in the Vascular Quality Initiative Linked to Medicare Claims**  
Neel A. Mansukhani, MD<sup>1</sup>, Kellie R. Brown, MD<sup>1</sup>, Xinyan Zheng<sup>2</sup>, Jialin Mao, PhD<sup>2</sup>, Philip P. Goodney, MD<sup>3</sup>, Andrew W. Hoel, MD<sup>4</sup>  
<sup>1</sup>Medical College of Wisconsin, Milwaukee, WI, <sup>2</sup>Weill Cornell Medical College, New York, NY, <sup>3</sup>Dartmouth-Hitchcock Medical Center, Lebanon, NH, <sup>4</sup>Northwestern University, Chicago, IL

**3:10 – 3:30 PM                      COFFEE BREAK (Visit Exhibits)**

<b>3:30– 5:00 PM</b>	<b>NEW HORIZONS IN VASCULAR SURGERY SESSION 1</b> <b>Moderators: John Rectenwald, MD &amp; Chelsea Dorsey, MD</b>
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**Moderators:**

**3:30pm**

**Dialysis Access: Percutaneous AVF**

Irina Shakhnovich, MD  
Gundersen Health, La Crosse, WI

**3:40pm**

**DEBATE: Asymptomatic High-Grade Carotid Stenosis Needs Surgery**

Loay Kabbani, MD  
Henry Ford Hospital, Detroit, MI

**3:50pm**

**DEBATE: Leave My Neck Alone, Medical Management is Best for Asymptomatic Carotid Stenosis**

Joseph Hart, MD  
Medical College of Wisconsin, Milwaukee, WI

**4:00pm**

**Should Uncomplicated EVAR Patients Be Discharged Day-of Surgery?**

John Maijub, MD  
Indiana University School of Medicine, Indianapolis, IN

**4:10pm**

**DEBATE: Venous TOS: Transaxillary is the only Way to Go**

Courtney Morgan, MD  
University of Wisconsin School of Medicine and Public Health, Madison, WI

**4:20pm**

**DEBATE: Venous TOS: Transaxillary is Dangerous and Shouldn't be Done**

TBD

**4:30pm**

**Is This the Right Time to Open an OBL?**

Robert Molnar, MD

Michigan Vascular Center, Flint, MI

**4:40pm**

**Topic TBD**

Vincent Rowe, MD

**5:00 – 6:30 PM**

**WELCOME RECEPTION**

**5:30 – 6:30 PM**

**POSTER COMPETITION SESSION**

**FRIDAY, SEPTEMBER 16, 2022**

**7:00 – 8:00 AM**

**CONTINENTAL BREAKFAST/VISIT EXHIBITS**

**8:00 – 9:30 AM**

**SCIENTIFIC SESSION 3**

**Moderators:**

- 8:00      §15.      **Diminished Jarid1c Activity Alters Diabetic Wound Plasmacytoid Dendritic Cells and Impairs Tissue Repair**  
*Christopher O. Audu, MD, PhD, Sonya J. Wolf, PhD, William J. Melvin, MD, Amrita D. Joshi, PhD, Emily C. Barrett, MD, Kevin D. Mangum MD, PhD, Sriganesh B. Sharma, MD, PhD, Andrea T. Obi, MD, Katherine A. Gallagher, MD*  
*University of Michigan, Ann Arbor, MI*
- 8:10      ◇16.      **Systematized Hybrid-based Paraclavicular Thoracic Outlet Decompression with Endovascular Reconstruction on Iy for Venous Thoracic Outlet Syndrome Yields Excellent Results and Long-term Freedom from Anticoagulation**  
*Angela Miciura, MD, Jarred Napier, MD, Abdulhameed Aziz, MD*  
*St. Joseph Mercy Health Ann Arbor, Ypsilanti, MI*
- 8:20      §17.      **Preventing Aortic Aneurysm Initiation and Expansion By Inducing Immune Tolerance to Aortic Specific Antigens Embedded in Biodegradable Poly(lactide-co-glycolide) Nanoparticles**  
*Michael D. Ingram, MD, Humraaz Samra, MD, Katherin Leckie, MD, Justin King, MD, Theresa Doiron, RMA, Leni Moldovan, PhD, Lili Zhang, Chang-Hyun Gil, PhD, Steven Miller, PhD, Michael P. Murphy, MD*  
*Indiana University, Indianapolis, IN*
- 8:30      ◇18.      **Surgical Treatment Outcomes for Axillary-subclavian Vein Thrombosis Due to Venous Thoracic Outlet Syndrome**

† Szilagyi Award, § Guthrie Award, ◇ Pfeifer Award

*Esmael Reza Dadashzadeh, MD, J. Westley Ohman, MD, Pavan Kavali, MD, Karen Henderson, RN, Danita Goestenkers, RMA, Robert Thompson, MD  
Washington University, St. Louis, MO*

- 8:40      <sup>◇</sup>19.      **Outcomes of A Single-center Experience in Eliminating Routine Postoperative Duplex Ultrasound Following Endovenous Ablation**  
*Erik Woodhouse, DNP, Paul DiMusto, MD  
University of Wisconsin Hospitals & Clinics, Madison, WI*
- 8:50      <sup>§</sup>20.      **IFN $\beta$  Regulates Abdominal Aortic Aneurysm Formation by Modulating Expression of the Histone Methyltransferase SETDB2**  
*Kevin D. Mangum MD, PhD, Christopher O. Adu MD, PhD, Emily Barrett, MD, Amrita Joshi, PhD, Andrea T. Obi, MD, Johann Gudjonsson MD, PhD, Bethany Moore, PhD, Frank M. Davis, MD, Katherine Gallagher, MD  
University of Michigan, Ann Arbor, MI*
- 9:00      <sup>◇</sup>21.      **Initial Outcomes in Iliofemoral Stenting in Acute Vs Chronic Deep Venous Thrombosis**  
*L. Graham Rucker, MD, Brent Robertson, MD, Adam Reichard, MD, Emily Austin, MD, Patrick Muck, MD, Mark Broering, MD, Aaron Kulwicki, MD, Brian Kuhn, MD, Angie Fellner, PhD, Matthew Recht, MD  
TriHealth, Cincinnati, OH*
- 9:10      22.      **Evaluating the Use of Glass, Wifi and Mac Scores As Predictors of Limb Salvage Success in Patients Receiving Free Tissue Transfer for Chronic Lower Extremity Wounds**  
*Hayden Schott, BS, Sarah Chiang, BS, MPH, Rachel Skladman, MD, MPH, Gayan De Silva, MD, Patrick Geraghty, MD, John Felder, MD  
Washington University in St. Louis, St. Louis, MO*
- 9:20      23.      **Healthcare Disparities Involved in Establishing Functional Hemodialysis Vascular Access**  
*Shannon McDonnell, Jonah Frueh, Pegge Halandras, MD  
Loyola University Medical Center, Maywood, IL*

**9:30 – 9:45 AM                      COFFEE BREAK (Visit Exhibits)**

<b>9:45 – 10:45 AM                      SCIENTIFIC SESSION 4</b>
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**Moderators:**

- 9:45      24.      **The Role of the Lumbar Arteries in Aneurysm Sac Growth and Secondary Interventions Following Endovascular Aneurysm Repair (EVAR) for Infrarenal Abdominal Aortic Aneurysms (AAA)**  
*Ryan Schmelter, DO<sup>1</sup>, Maianh Tran, DO<sup>1</sup>, Justin Song, BA<sup>2</sup>, Jan Franko, MD<sup>1</sup>, David Chew, MD<sup>1,3</sup>,  
<sup>1</sup>MercyOne Medical Center, Des Moines, IA, <sup>2</sup>Des Moines University College of Osteopathic Medicine, Des Moines, IA, <sup>3</sup>Iowa Heart Center, Des Moines, IA*
- 9:55      25.      **Adverse Events Following Tevar Correlated to Novel Shape Metric**  
*Kameel Khabaz, BS<sup>1</sup>, Sanjeev Dhara, MD<sup>1</sup>, Julius Kim, BS<sup>1</sup>, Seth Sankary, MD<sup>1</sup>, Cheong J. Lee, MD<sup>2</sup>, Ross Milner, MD<sup>1</sup>, Luka Pocivavsek, MD<sup>1</sup>  
<sup>1</sup>University of Chicago, Chicago, IL, <sup>2</sup>NorthShore University HealthSystem, Chicago, IL*

- 10:05      **26. Factors Causing Lower Extremity Ischemia Requiring Intervention Following Elective Endovascular Aneurysm Repair**  
*Naveen Balasundaram, MBBS, FSVS<sup>1</sup>, Vishruth Thaghalli Sunil Kumar, BS<sup>1</sup>, Sadvika Ramji, MBBS<sup>2</sup>, Lucy Sheahan, MD<sup>3</sup>, Catherine Gloss, MD<sup>1</sup>, Todd R. Vogel, MD<sup>1</sup>*  
<sup>1</sup>University of Missouri, Columbia, MO, <sup>2</sup>Cleveland Clinic Foundation, Cleveland, OH, <sup>3</sup>University of California San Diego, San Diego, CA
- 10:15      **27. Effect of Preservation of Antegrade Hypogastric Flow on Development of Claudication Following Aortoiliac Aneurysm Repair**  
*Kyla Megan Bennett, MD<sup>1</sup>, Landon Hurley, PhD<sup>2</sup>, Jon S. Matsumura, MD<sup>1</sup>, Tassos C. Kyriakides, PhD<sup>3</sup>, Julie A. Freischlag, MD<sup>4</sup>*  
<sup>1</sup>University of Wisconsin Madison, Madison, WI, <sup>2</sup>Department of Veterans Affairs Medical Center, West Haven, CT, <sup>3</sup>West Haven VA Medical Center, West Haven, CT, <sup>4</sup>Dean Wake Forest School of Medicine, Wake for est, NC
- 10:25      **28. Incidence, Re-intervention and Survival Associated with Type Ii Endoleak After Elective Evar in the Vascular Quality Initiative**  
*Randall DeMartino, MD<sup>1</sup>, Dan Neal, MS<sup>2</sup>, Matthew Breite, MD<sup>1</sup>, Bernardo Mendes, MD<sup>1</sup>, David H. Stone, MD<sup>3</sup>, Jill Colglazier, MD<sup>1</sup>, Salvatore Scali, MD<sup>2</sup>*  
<sup>1</sup>Mayo Clinic, Rochester, MN, <sup>2</sup>University of Florida, Gainesville, FL, <sup>3</sup>Dartmouth-Hitchcock Medical Center, Lebanon, NH

10:35      **29. POSTER COMPETITION WINNER PRESENTATION**

**10:45 – 10:55 AM      PRESENTATION OF RESEARCH AWARDS**

**10:55 – 11:10 AM      INTRODUCTION OF THE PRESIDENT**  
*Jeffrey Jim, MD MVSS President-elect*

**11:10 – 12:00 PM      PRESIDENTIAL ADDRESS**  
 Raghu Motaganahalli, MD

**12:15 – 1:30 PM      MVSS BUSINESS MEETING**

<b>1:30 – 2:15 PM</b>	<b>SCIENTIFIC SESSION 5</b>
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**Moderators:**

- 1:30      **30. Popliteal Vein Compression Syndrome: A Rare Pathologic Entity**  
*Daniel Delgadillo, MD<sup>1</sup>, Michelle L. Shu, BS<sup>2</sup>, NavYash Gupta, MD<sup>1</sup>*  
<sup>1</sup>Cedars-Sinai Medical Center, Los Angeles, CA, <sup>2</sup>UCLA David Geffen School of Medicine, Los Angeles, CA
- 1:35      **31. Open Bypass for Rapid Expansion of Saccular Left Common Carotid Artery Aneurysm in Takayasu's Arteritis Patient**  
*Janice Nam, BA<sup>1</sup>, Lindsey Korepta, MD<sup>2</sup>, Kala Zorn, MD<sup>2</sup>, Jeffrey Schwartz, MD<sup>3</sup>*  
<sup>1</sup>Loyola University Chicago Stritch School of Medicine, Maywood, IL, <sup>2</sup>Loyola University Medical Center Division of Vascular Surgery, Maywood, IL, <sup>3</sup>Loyola University Medical Center Division of Cardiothoracic Surgery, Maywood, IL
- 1:40      **32. Using an Iliac Branch Endoprosthesis to Salvage a Kidney Transplant in A Symptomatic Aortic Aneurysm**

† Szilagyi Award, § Guthrie Award, ◇ Pfeifer Award

Loay Aljaberi, MD, Jose Oyama Moura Leite, MD, Sung Yang, MD  
University of Cincinnati Medical Center, Cincinnati, OH

- 1:45      **33.      Coil Embolization of Persistent Type1 Endoleak**  
*Shahriar Alizadegan MD,FACS.*  
*Vascular Surgery, Medical College of Wisconsin, Milwaukee, WI.*
- 1:50      **34.      Management of Intra-luminal IVC Tumor Extending Into the Heart**  
*Kristie Yu, MD, Aditya Safaya, MD, Amit Jain, MD*  
*University of Cincinnati, Cincinnati, OH*
- 1:55      **35.      Angioinvasive Aspergillosis: A Rare Case of Aortic Graft Infection Causing Thromboembolism**  
*Ashley Penton, MD, Janice Nam, BA, Muhammad Saggagh, MD, Bernadette Aulivola, MD*  
*Loyola University Medical Center, Maywood, IL*
- 2:00      **36.      Treatment of an Extracranial Carotid Artery Aneurysm with Flow Diverter Stents and Coil Embolization**  
*Abdur Jamal, MD, Brian Wheatley, MD*  
*Vascular Surgery, Carle Health, Urbana, IL*
- 2:05      **37.      Aspiration Thrombectomy of Bilateral DVT in Management of IVC Atresia: A Case Report**  
*Kimberly Corbitt, DO, Jennifer Baker, MD*  
*Vascular, Michigan Vascular Center/MSU, Flint, MI*
- 2:10      **38.      Gluteal and Thigh Compartment Syndrome After Open Abdominal Aortic Aneurysm Repair**  
*Alim Habib, BS<sup>1</sup>, Matthew George, MD<sup>2</sup>, Michael Go, MD<sup>2</sup>, Kristine Orion, MD<sup>2</sup>*  
*<sup>1</sup>College of Medicine, the Ohio State University, Columbus, OH, <sup>2</sup>The Ohio State University Wexner Medical Center, Columbus, OH*

**2:15 – 2:45 PM      COFFEE BREAK (Visit Exhibits)**

**2:30 – 4:45 PM      MEDICAL STUDENT PROGRAM**

<b>2:45 – 4:15 PM</b>	<b>NEW HORIZONS IN VASCULAR SURGERY SESSION 2</b> <i>Moderators: Pegge Halandras, MD &amp; Manju Kalra, MD</i>
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**2:45pm**

**DEBATE: IVL in the Femoral-popliteal Segment is Standard of Care**

Trissa Babrowski, MD

University of Chicago, Chicago, IL

**2:55pm**

**DEBATE: IVL in the Femoral-popliteal Segment is Wasteful**

Rachael Nicholson, MD

University of Iowa, Iowa City, IA

**3:05pm**

**The No-option CLI Patient: Deep Venous Arterialization**

Gregory Westin, MD

IU Health Physicians, Indianapolis, IN

**3:15pm**

**The No-option CLI Patient: Sympathectomy, Spinal Cord Stimulators, Etc**

William Yoon, MD

Northshore University HealthSystem, Skokie, IL

**3:25pm**

**Is Atherectomy Ever Indicated?**

Kyla Bennett, MD

University of Wisconsin-Madison, School of Medicine and Public Health, Madison, WI

**3:35pm**

**Tibial/Pedal Intervention: How I Do It**

William Robinson, MD

Southern Illinois University School of Medicine, Springfield, IL

**3:45pm**

**Role of Hyperbaric Therapy in 2022**

Brian Kuhn, MD

TriHealth Heart Institute, Cincinnati, OH

**3:55pm**

**Alternative Access: Radial, Axillary, Pedal, Transcaval**

Ashley Vavra, MD

Northwestern University, Chicago, IL

**4:05pm**

**Acute Limb Ischemia: Open, Lytics, Endo Suction, etc**

Nathan Kugler, MD

Medical College of Wisconsin, Milwaukee, WI

**4:30 – 5:30 PM**

**INDUSTRY SPONSORED SYMPOSIUM**

**SATURDAY, SEPTEMBER 17, 2022**

**7:30 – 8:20 PM**

**INDUSTRY SPONSORED BREAKFAST SYMPOSIUM**

**8:30 – 9:30 AM**

**NEW HORIZONS IN VASCULAR SURGERY SESSION 3**

**Moderators: Joseph Karam & Natalie Weger, MD**

**8:30am**

**Beyond ATTRACT - What Do We Do for Iliofemoral DVT?**

Christopher Goltz, MD

Michigan Vascular Center, Flint, MI

**8:40am**

**Beyond ATTRACT - What Do We Do for Femoral-popliteal DVT?**

Julie Duke, MD

University of Minnesota, Minneapolis, MN

**8:50am**



## **Suction Thrombectomy for Endocarditis: Techniques and Outcomes**

Sarah White, MD

Medical College of Wisconsin, Madison, WI

**9:00am**

### **Percutaneous Management of Large PE**

Nicolas Mouawad, MD

McLaren Bay Region, Bay City, MI

**9:10am**

### **DEBATE: All Patients with Symptomatic Left Iliac Vein Compression Should be Stented**

Amit Jain, MD

University of Cincinnati College of Medicine, Cincinnati, OH

**9:20am**

### **DEBATE: Stenting the Left Iliac Vein is Ridiculous**

Michael Soult, MD

Loyola University Stritch School of Medicine, Maywood, IL

**9:30 – 10:45 AM**

### **HONORARY GUEST LECTURE**

**Peter F. Lawrence, MD**

UCLA / Gonda Vascular Surgery

Los Angeles, CA

*Introduced by: Jeffrey Jim, MD*

**10:45 – 11:00**

### **COFFEE BREAK**

**11:00 - 12:05 PM**

### **SCIENTIFIC SESSION 6**

#### **Moderators:**

- 11:00      **39. Utilizing Micro-ct Imaging to Define Collagen Remodeling in Non-native Tissue Geometries**  
*Tanvi Subramanian, MD<sup>1</sup>, Vandana Sampathkumar, PhD<sup>2</sup>, Narayanan Kasthuri, MD, PhD<sup>2</sup>, Luka Pocivavsek, MD, PhD<sup>1</sup>;*  
*<sup>1</sup>Dept of Surgery, University of Chicago, Chicago IL; <sup>2</sup>Dept of Neurobiology, University of Chicago, Chicago IL*
- 11:05      **40. Is There a Role for Major Lower Extremity Amputation in Nonagenarians?**  
*Sarah Zaza, M<sup>1</sup>, Kyla Bennett, MD*  
*Department of Vascular Surgery, University of Wisconsin Hospital and Clinics, Madison, WI*
- 11:10      **41. A Novel Risk Calculator to Identify Patients At Risk of Contrast Associated Acute Kidney Injury After Endovascular Abdominal Aortic Aneurysm Repair**  
*Drew J. Braet, MD, Jeremy Albright, PhD, Nicholas H. Osborne, MD, Peter K. Henke, MD*  
*University of Michigan, Ann Arbor, MI*
- 11:15      **42. Outcomes in Partial and Complete Explantation of Aortic Endografts for Endoleak**  
*Richard T. Rogers, MD, Jill J. Colglazier, MD, Mohammad Khasawneh, MD,*  
*Randall R. DeMartino, MD, Fahad Shuja, MD, Bernardo C. Mendes, MD, Thomas C. Bower, MD,*  
*Manju Kalra, MD.*  
*Mayo Clinic, Division of Vascular and Endovascular Surgery, Rochester, MN*

† Szilagyi Award, § Guthrie Award, ◇ Pfeifer Award

- 11:20      **43. Performance of the Emergency Surgery Score (ESS) for Non-elective Aortoiliac Endovascular Reconstructions**  
*Naveen Balasundaram, MD, Shubham Kanake, BS, Riley Burgon, MD, Ankita Nallani, MD, Shahed Tish, MD, Todd R. Vogel, MD*  
*University of Missouri, Columbia, MO*
- 11:25      **44. Development and Initial Validation of A Modern Hemodynamics Laboratory**  
*Alan P. Sawchuk, MD<sup>1</sup>, John Talamantes<sup>2</sup>, Weichen Hong<sup>2</sup>, Raghu Motaganahalli, MD<sup>1</sup>, Huidan Yu, PhD<sup>2</sup>*  
<sup>1</sup>*Indiana University, Indianapolis, IN, <sup>2</sup>Indiana University Purdue University Indianapolis, Indianapolis, IN*
- 11:30      **45. Extravascular Access Artery Closure Following Percutaneous Peripheral Intervention**  
*Rohan Kulangara, MD<sup>1</sup>, Philip Bystrom, MD<sup>1</sup>, Mitchell Piel<sup>2</sup>, Michael Chaney<sup>2</sup>, Rym El Khoury, MD<sup>3</sup>, Chad Jacobs, MD<sup>1</sup>, John V. White, MD<sup>1</sup>, Lewis B. Schwartz, MD<sup>1</sup>*  
<sup>1</sup>*Lutheran General Hospital, Advocate Healthcare, Park Ridge, IL, <sup>2</sup>Rosalind Franklin University Chicago Medical School, Chicago, IL, <sup>3</sup>University of California San Francisco, San Francisco, CA*
- 11:35      **46. Impact of Preoperative Hemoglobina1c in Patients Undergoing Open Distal Vascular Procedures**  
*Abdul Kader Natour, MD<sup>1</sup>, Alexander D. Shepard, MD<sup>1</sup>, Mitchell Weaver, MD<sup>1</sup>, Timothy Nypaver, MD<sup>1</sup>, Peter Henke, MD<sup>2</sup>, Loay Kabbani, MD<sup>1</sup>*  
<sup>1</sup>*Henry for d Health System, Detroit, MI, <sup>2</sup>University of Michigan Health, Ann Arbor, MI*
- 11:40      **47. Renal Recovery in Patients with Type B Aortic Dissections Who Underwent Aortic Stent Placement: A Retrospective Review**  
*Jake Nicholson, DO, Christina Maria Supino, DO, Eanas Yassa, MD*  
*Spectrum Health/MSU, Grand Rapids, MI*
- 11:45      **48. Percutaneous Endovascular Fistula Creation: A Viable Option in on e Center's Experience**  
*Puneet S. Bhatti, DO, Monica Ramaswamy, MD, Michael Perry, MD, Donna Bednarski, CNP, Yevgeniy Rits, MD, Maciej Uzieblo, MD*  
*Wayne State University/ Detroit Medical Center, Detroit, MI*
- 11:50      **49. Incidence of Intracranial Aneurysms in Marfan Syndrome**  
*David J. Laczynski, MD, Siwei Dong, DO, Vidyasagar Kalahasti, MD, Levester Kirksey, MD, Jarrad W. Rowse, MD, Jon G. Quatromoni, MD, Sean P. Lyden, MD, Christopher J. Smolock, MD, Francis J. Caputo, MD*  
*Cleveland Clinic Foundation, Cleveland, OH*
- 11:55      **50. Interacting with Best Practice Advisory (bpa) Notifications in Epic Significantly Improves Screening Rates for Abdominal Aortic Aneurysms**  
*Amin Mohamed Ahmed, MD, Saideep Bose, MD, Matthew Breeden, MD, Matthew Smeds, MD*  
*Saint Louis University, St. Louis, MO*
- 12:00      **51. Disparity in Telemedicine Utilization By Vascular Surgery Patients**  
*Alexandre Christophe d'Audiffret, MD*  
*University Medical Center, Chicago, IL*

**12:05 PM**

**ADJOURN**

## 2022 SCIENTIFIC POSTER COMPETITION SESSION

### GROUP #1

#### P1

##### **Multidisciplinary Approach to Renal Cell Tumors with Inferior Vena Caval and Right Atrial Extension**

Joel R. Hlavaty, MD, Mark Broering, MD, Brian Kuhn, MD, Aaron Kulwicki, MD, Matthew Recht, MD, Patrick Muck, MD  
Good Samaritan TriHealth, Cincinnati, OH

#### P2

##### **Extracranial Internal Carotid Artery Aneurysm - Case Reports**

Shoaib Shafique, MD, Kate Dell, DNP  
Ascension St Vincent, Indianapolis, IN

#### P3

##### **Comparing PTFE and Cryo-Preserved Saphenous Vein Performance for Below the Knee Infrainguinal Bypass.**

Richard Longfei Li, Jacob Gasienica, Zachary Osborne, MD, Brian Wheatley, MD, Brian Beeman, MD  
Carle Illinois College of Medicine, Urbana, IL

#### P4

##### **Multidisciplinary Hybrid Management of Uterine Leiomyoma with Multiple Arteriovenous Fistulae Causing A High Output Cardiac State in the Setting of Reed Syndrome**

Bianca Kenyon, MD, Jesse Chait, DO, Andrew Stockland, Jamie Bakkum-Gamez, Jill Colglazier, MD  
Mayo Clinic, Rochester, MN

#### P5

##### **Symptomatic Carotid Stenosis Due to A Myxoma**

Abdur Jamal, MD<sup>1</sup>, Christopher Vetter, MD<sup>2</sup>, Nikolaos Karagiorgos, MD<sup>3</sup>.

<sup>1</sup>Vascular Surgery, Carle Foundation Hospital, Champaign, IL, <sup>2</sup>Carle Foundation Hospital, Champaign, IL, <sup>3</sup>Christie Clinic Vein and Vascular Center, Champaign, IL

#### P6

##### **Symptomatic and Asymptomatic Carotid Interventions By Surgical Discipline and Effect on Surgical Trainee Volume**

Lindsey Korepta, MD<sup>1</sup>, Brandon Nguyen<sup>2</sup>, Janice Nam<sup>2</sup>, Carlos Bechara, MD<sup>1</sup>, Michael Schneck, MD<sup>1</sup>

<sup>1</sup>Loyola University Medical Center, Maywood, IL, <sup>2</sup>Loyola University Chicago Stritch School of Medicine, Maywood, IL

#### P7

##### **Utility of Mynxgrip for Complex Vascular Access Cases**

Callie Hamai, Shubham Kanake, Isaiah Chandr<sup>1</sup>, Todd R. Vogel, Jonathan Bath, Naveen Balasundaram

<sup>1</sup>University of Missouri, Columbia, MO

#### P8

##### **Protein S Deficiency Causing An Unusual Case of Upper Extremity Acute Limb Ischemia**

David A. Shanberg, MD, Scott Kujath, MD.

Midwest Aortic & Vascular Institute (MAVI), Kansas City, MO

#### P9

##### **Massive Deep Vein Thrombosis Due to Agenesis of Inferior Vena Cava**

Shoaib Shafique, MD, Kate Dell, DNP

Ascension St Vincent, Indianapolis, IN

**GROUP #2****P10  
Endovascular Treatment of A Delayed Presentation Post-traumatic Anterior Tibial Artery Pseudoaneurysm in A Pediatric Patient**

Jonathan Howard Lin, MD, Lindsey Korepta, MD  
Loyola University Medical Center, Maywood, IL

**P11  
Spontaneous Thrombosis of A Large Gastroduodenal Artery Aneurysm Causing Extrinsic Compression of the Extrahepatic Bile Duct**

Alexander Lu, DO  
General Surgery, Henry for d Macomb Hospital, Macomb, MI

**P12  
Glomus Vagale Tumor Involving Carotid Artery Case Report and Review**

Shoaib Shafique, MD, Kate Dell, DNP  
Ascension St Vincent, Indianapolis, IN

**P13  
Chronic Mesenteric Ischemia, Renovascular Hypertension and Claudication Secondary to Coral Reef Aortic Plaque**

Ahmad Abdelrazek, Thomas Bower, MD, Jill J. Colglazier, MD  
Mayo Clinic, Rochester, MN

**P14  
Delays to Surgery Increase Mortality and Limb Loss in Patients with Acute Limb Ischemia Treated with Open Thrombectomy**

Margaret Smith, MD<sup>1</sup>, Jeremy Albright, PhD<sup>1</sup>, Nicholas Osborne, MD<sup>1</sup>, Jonathan Eliason, MD<sup>1</sup>, Loay Kabbani, MD<sup>2</sup>, Paul Bove, MD<sup>3</sup>, M Ashraf Mansour, MD<sup>4</sup>, Peter Henke, MD<sup>1</sup>.

<sup>1</sup>University of Michigan, Ann Arbor, MI, <sup>2</sup>Henry for d Health, Detroit, MI, <sup>3</sup>Beaumont Health System, Royal Oak, MI, <sup>4</sup>Spectrum Health Medical Group, Grand Rapids, MI

**P15  
Hybrid Management of Critical Limb Ischemia with Bioengineered Conduit**

Peter B. Anderson, MD, Indrani Sen, Todd E. Rasmussen  
Mayo Clinic, Rochester, MN

**P16  
Late Presentation of Iatrogenic Popliteal Artery Injury Following Total Knee Arthroplasty**

Lorela Weise, MD, Diya Sabbagh, MD, Bernadette Aulivola, MD  
<sup>1</sup>Loyola University Medical Center, Maywood, IL

**P17  
Endovascular Repair of Internal Iliac Artery Injury During Outpatient Discectomy**

Matthew P. Anderson, Sarah E. Severance, Ashley R. Gutwein, Gregory Westin, Alok Gupta, John G. Maijub  
Indiana University School of Medicine, Indianapolis, IN

**GROUP #3****P18  
Endovascular Management of Partially Constrained Thoracic Endograft**

Peter Anderson, MD, Bianca Kenyon, MD, Randall De Martino, MD  
Mayo Clinic, Rochester, MN

**P19**

**Congenital Absence of the Right Iliac System with Aneurysmal Degeneration of A Collateral Lumbar Artery: Diagnosis and Treatment**

John French<sup>1</sup>, Zachary Schmittling, MD<sup>2</sup>

<sup>1</sup>University of Missouri-Springfield, Springfield, MO, <sup>2</sup>Cox Health System Department of Vascular Surgery and Department of Research and Innovation, Springfield, MO

**P20**

**Open and Endovascular Repair of Complex Aortic, Iliac and Femoral Anastomotic Aneurysms**

Shyamal Pansuriya, DO<sup>1</sup>, Timothy Diaz, DO<sup>2</sup>, Sachinder Hans, MD<sup>1</sup>

<sup>1</sup>Henry Ford Macomb Hospital, Clinton Township, MI, <sup>2</sup>McLaren Macomb Hospital, Mount Clemens, MI

**P21**

**Percutaneous Endovascular Aneurysm Repair is Non-inferior to Open Based on National Data**

Naveen Balasundaram, MD<sup>1</sup>, Vishruth Thaghalli Sunil Kumar<sup>1</sup>, Alexis Peters<sup>1</sup>, William P. Roush<sup>1</sup>, Rishi Katewa<sup>2</sup>, Todd R. Vogel<sup>1</sup>

<sup>1</sup>University of Missouri, Columbia, MO, <sup>2</sup>Viratnagar Government Community Health Center, Jaipur, Rajasthan, India.

**P22**

**Ex-vivo Renal Artery Aneurysm Repair and Kidney Autotransplantation for Symptomatic Aneurysm**

Lorela Weise, MD, Xuanji Wang, Luis Fernandez, MD, Bernadette Aulivola, MD

Loyola University Medical Center, Maywood, IL

**P23**

**The Impact of Physician Dependent Perioperative Variables on Long Term Survival Following EVAR**

Ashley Penton, MD<sup>1</sup>, Matthew DeJong<sup>1</sup>, Tara Zielke<sup>2</sup>, Janice Nam<sup>2</sup>, Matthew J. Blecha, MD<sup>3</sup>.

<sup>1</sup>Loyola University Chicago, Maywood, IL, <sup>2</sup>Loyola University Chicago, Stritch School of Medicine, Maywood, IL, <sup>3</sup>Department of Surgery, Division of Vascular Surgery and Endovascular Therapy, Loyola University Chicago, Maywood, IL

**P24**

**Real-world Experience with Zenith TX-D Thoracic Dissection Stent System**

Carolyn R. Postol, DO, Kush Sharma, MD, Eanas Yassa, MD

Spectrum Health, Michigan State University College of Medicine, Grand Rapids, MI

**P25**

**Abdominal Aortic Aneurysm in Patient with Horseshoe Kidney**

Shoaib Shafique, MD, Kate Dell, DNP

Ascension St. Vincent, Indianapolis, IN

## **PURPOSE AND CONTENT**

The purpose of this meeting is to provide state of the art clinical research and vascular biology knowledge relating to vascular disease, with a special emphasis on surgical and endovascular therapy. The program will include presentations of original research by investigators interested in vascular disease. A portion of the program is dedicated to question and answer interaction between the presenters and the audience.

## **EDUCATIONAL OBJECTIVES**

At the end of this activity, participants will be able to:

- 1) Practice vascular surgery with a new knowledge base surrounding diversity, equity, and inclusivity issues with providers and their patients.
- 2) Identify important medical risk factors and their management for patients with peripheral artery disease and understand the impact of Covid-19 on PAD.
- 3) Describe the optimal treatment for patients with challenging abdominal aortic anatomy and understand how to treat patients most effectively with acute aortic syndromes.
- 4) Improve the delivery of care to patients by applying the latest advances in diagnosis and treatment of peripheral arterial disease, especially those with critical limb ischemia.
- 5) Recognize factors that influence the cost, value, and outcomes of carotid artery procedures.
- 6) Explain which patients can benefit from superficial and deep venous interventions.
- 7) Describe optimal techniques for the success and durability of dialysis access procedures.

## **ACCREDITATION STATEMENT**

Pending