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) Apply different surgical techniques for hemodialysis access creation and maintenance for patients suffering from end stage renal disease.
2) Discuss the rationale for use of different revascularization techniques for patients with carotid occlusive disease.
3) Explain which patients can benefit from superficial and deep venous interventions.
4) Describe the optimal treatment for patients with challenging abdominal aortic anatomy.
5) Recognize the role advanced practice providers can play in a vascular surgery clinical practice.
6) Identify the treatment options for patients presenting with aortic arch aneurysms and aortic dissections.
7) Describe the latest data on treatment outcomes for patients with peripheral arterial disease.

ACCREDITATION STATEMENT
This activity has been approved for *AMA PRA Category 1 Credit™* by Indiana University School of Medicine.
THURSDAY, SEPTEMBER 12, 2019

12:45 PM INTRODUCTORY REMARKS
Jean E. Starr, MD, President

12:45 PM – 3:00 PM SESSION I
Moderators: Jean E. Starr and Mark A. Mattos

12:50 PM †1. Paclitaxel Coated Balloons and Stents Do Not Increase Mortality

Ravi N. Ambani, Alexander H. King, Saideep Bose, Jones P. Thomas, Carolyn Chang, Dominic Ng, Virginia L. Wong, Karem C. Harth, Vikram S. Kashyap, Norman H. Kumin
From: University Hospitals Cleveland Medical Center, Cleveland, OH

1:00 PM †2. Outcomes of Fenestrated and Branched Endovascular Aortic Repair in Patients with Solitary Kidney

Keouna Pather1, Emanuel R. Tenorio2, Jussi M. Kärkkäinen1, Bernardo C. Mendes1, Randall R. DeMartino1, Thanila A. Macedo1, Peter Gloviczki1, Gustavo S. Oderich
From: 1Mayo Clinic, Rochester, MN, 2Advanced Endovascular Aortic Research Program, Mayo Clinic, Rochester, MN

1:10 PM §3. Palmitate-TLR4 Signaling Regulates Epigenetic Modifications in Macrophages and Impairs Diabetic Wound Healing

Frank M. Davis, MD, Aaron denDekker, Andrew Kimball, Amrita Joshi, Anna Boniakowski, Steven Kunkel, Katherine Gallagher
From: Vascular Surgery, University of Michigan, Ann Arbor, MI

1:20 PM †4. Retinal Artery Occlusion Does Not Portend an Increased Risk of Stroke

David J. Laczynski1, Sean P. Lyden1, Joshua Gallop2, James Bena1, Francis J. Caputo1
From: 1Cleveland Clinic Foundation, 2Cleveland Clinic Lerner College of Medicine, Cleveland, OH

1:30 PM †5. Female Gender Increases Risk of Stroke and Complication After CEA and CAS

Steven Goicoechea, Martin Walsh, Michael Soult, Carlos Bechara, MD, Pegge Halandras, Bernadette Aulivola, Paul Crisostomo
From: Vascular Surgery, Loyola University, Maywood, IL

† Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
1:40 PM § 6. The MicroRna Cluster of Mir-15a,-27a,and-92a Are Associated with Diminished IL-10 Levels and Decreased Frequency and Immune Suppressor Function of Type-1 Regulatory T Cells in Patients with Abdominal Aortic Aneurysms

Justin R. King, MD, Linden A. Green, Katherin Leckie, Keisin S. Wang, Praveen Kusumanchi, John G. Maijub, Andres Fajardo, Raghu L. Motaganahalli, Michael P. Murphy
From: Division of Vascular Surgery, IU School of Medicine, Indianapolis, IN

1:50 PM ◊ 7. False-Negative Upper Extremity Ultrasound in the Initial Evaluation of Patients with Suspected Subclavian Vein Thrombosis Due to Thoracic Outlet Syndrome (Paget-Schroetter Syndrome)

Evan R. Brownie, Ahmmad A. Abuirqeba, J Westley Ohman, Brian G. Rubin, Robert W. Thompson
From: Washington University School of Medicine

2:00 PM '8. The Effect of Abdominal Aortic Aneurysm Size on Endoleak, Secondary Intervention and Overall Survival following Endovascular Aortic Aneurysm Repair

Benjamin Ferrel1, Shiv Patel1, Antonio Castillo2, Jan Franko1, David Chew1
From: 1MercyOne Medical Center, Des Moines, IA, 2Des Moines University, Des Moines, IA

2:10 PM §9. Allogeneic Mesenchymal Stem Cells Induce Regulatory T-Cells and Suppress Aneurysm Inflammation: Interim Results of the Phase I ARREST Trial

Katherin Leckie, Linden L. Green, Justin R. King, Keisin S. Wang, MD, Raghu L. Motaganahalli, Andres Fajardo, Michael P. Murphy, John G. Maijub
From: Division of Vascular Surgery, IU School of Medicine, Indianapolis, IN

2:20 PM '10. Lower Limb Malperfusion in Acute Type-A Dissection

Ali Rteil, Alexander Shepard, Timothy Nypaver, Mitchell Weaver, Farah Mohammad, Hasan Nemeh, Themistokles Chamogeorgakis, Loay Kabbani
From: Henry Ford Health System, Detroit, MI

2:30 PM '11. Type 2 Endoleak with an Enlarging Aortic Sac Predisposes to Development of Type 1a Endoleak

Christine L. Eden, Graham W. Long, Matthew Major, Diane Studzinski, O. William Brown
From: Beaumont Hospital, Royal Oak, MI

2:40 PM §12. Computational Analysis of Seal Zone Preservation and Migration Resistance with Endoanchors

Luka Pocivavsek, Erin Abbott, Sanjeev Dhara, Trissa Babrowski, Ross Milner
From: The University of Chicago, Chicago, IL

3:00 PM – 3:30 PM REFRESHMENT BREAK - VISIT EXHIBITS
3:30 PM – 5:30 PM

NEW HORIZONS IN VASCULAR SURGERY SESSION I

3:30 – 4:30 PM - Session 1A – Updates in Vascular Surgery
Moderators: Peter J. Rossi and Andrea T. Obi

What’s coming for TEVAR and Delivery in Zones 0, 1 & 2

Bernardo C. Mendes, MD
Vascular Surgery
Gonda Vascular Center
Mayo Clinic
Rochester, MN

Endovascular Management of All Type B Dissections – Is it Finally Standard of Care?

Trissa A. Babrowski, MD
Assistant Professor of Surgery
University of Chicago Medicine
Chicago, IL

Juxtarenal Aneurysm Debate – What Repair is Best for Our Patients?

Endo – No Doubt FEVAR & Endoanchors are Best!

Carlos Bechara, MD
Vascular Surgery and Endovascular Therapy
Associate Professor
Program Director, Vascular Surgery Fellowship
Loyola University Medical Center, Stritch School of Medicine
Maywood, IL

Open – Open of course, Durability should be our Goal!

Paul D. DiMusto, MD
Assistant Professor
Division of Vascular Surgery
University of Wisconsin School of Medicine and Public Health
Madison, WI

Explanting Endografts – Tips, Tricks & Results Francis Caputo

Francis Caputo, MD
Department Vascular Surgery
Clinical Staff, Program Director
Cleveland Clinic
Cleveland, OH

† Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
4:30 – 5:30 PM - Session 1B Venous Controversies  
**Moderators:** Robert F. Cuff and Andrew W. Hoel

**Your 32-Year-old Niece has a Left Iliofemoral DVT? – This Is What I Would Recommend**

*Judith C. Lin, MD, MBA, RVT, RPVI*  
Senior Staff Surgeon, Director of Henry Ford Vein Center  
Division of Vascular Surgery, Henry Ford Health System  
Professor of Surgery, Wayne State University School of Medicine  
Detroit, MI

**Thrombus Extraction instead of Thrombus Dissolution for DVT & PE– Do these Devices Really Work?**

*Matthew Recht, MD*  
Vascular Surgery  
TriHealth/Good Samaritan  
Cincinnati, OH

**What’s new in Iliac Venous Stenting and is the Wallstent Obsolete?**

*Christopher J. Goltz, MD*  
Vascular Surgery  
Michigan Vascular Center  
Flint, MI

**IVC Filter Removal for all? How I my approach my IVC filter Patients**

*Ashley K. Vavra, MD*  
Assistant Professor of Surgery  
Northwestern Medicine  
Feinberg School of Medicine  
Chicago, IL

**Saphenous Reflux- Above the Knee, Below the Knee and Superficial Saphenous Veins – How I Use Non-Tumescent Non-Thermal Options**

*Jennifer J. Watson, MD, RPVI*  
Assistant Professor of Surgery  
Michigan State University, College of Human Medicine  
Division of Vascular Surgery  
Frederik Meijer Heart and Vascular Institute of Spectrum Health  
Grand Rapids, MI

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5:30 PM – 6:45 PM  
**RECEPTION IN EXHIBIT HALL**

5:45 PM - 6:45 PM  
**POSTER SESSION (Ballroom Foyer)**
7:30 AM – 8:00 AM  
CONTINENTAL BREAKFAST WITH EXHIBITORS

8:00 AM – 9:30 AM  
SESSION II 
**Moderators:** Francis Caputo and Jill J. Coglazier

8:00 AM  13. Revisiting Endovascular Repair for Ruptured Abdominal Aortic Aneurysms  
**Samer Alharthi**, Mohanad Baldawi, Chandan Das, Alexander Wiesnewski, Marcus Adair, Stephen Markowiak, Mohamed Osman, Munier Nazzal  
**From:** University of Toledo, Toledo, OH

**Kaavya Adam**, Laurel Gordon, Carlos Bechara, Paul Crisostomo, Pegge Halandras, Michael C. Soult, Bernadette Aulivola  
**From:** Division of Vascular Surgery, Loyola University Medical Center, Maywood, IL

**Sapan S. Desai**  
**From:** Surgery, Northwest Community Healthcare, Chicago, IL

8:30 AM  16. Physician Reimbursement for Vascular Surgery Procedures and Vascular Laboratory Studies Before and After the Affordable Care Act  
**Mounir J. Haurani**, Daisy Chou, Patrick S. Vaccaro, Timur P. Sarac, Bhagwan Satiani  
**From:** The Ohio State University Wexner Medical Center, Columbus, OH

8:40 AM  17. Fasting Prior to Duplex Ultrasound Scan of Abdominal Aorta Is Unnecessary: Comparison of the Results of a Pilot Randomized Blind Study and a Retrospective Cohort  
**Jihad Abbas**, Julie Mason, Todd Russell, Gregory Kasper, David Paolini, Robin Acino, Fedor Lurie  
**From:** Jobst Vascular Institute, Toledo, OH

8:50 AM  18. The Duration of Blood Flow Reversal During Transcarotid Artery Revascularization (TCAR) Does Not Affect Outcomes  
**Alexander H. King**, Norman H. Kumins, Jae S. Cho, Jeffrey Jim, Raghu L. Motaganahalli, Jeffrey M. Applie, Mazin I. Foteh, Vikram S. Kashyap  
**From:** 1University Hospitals Cleveland Medical Center, Cleveland, OH, 2Washington University, St. Louis, MO, 3Indiana University, Indianapolis, IN, 4Cardiothoracic and Vascular Surgeons, Austin, TX

† Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
9:00 AM  19. **Impact of Renal Function on Early and Late Survival After Endovascular Thoracoabdominal And Pararenal Aortic Aneurysm Repair**

*Luis C. Cajas-Monson*, Mario D’Oria, Emanuel Ramos Tenorio, Bernardo Mendes, Gustavo Oderich, , Randall DeMartino,
*From:* Mayo Clinic, Rochester, MN

9:10 AM  20. **Outcomes of ChEVAR and FEVAR Using VIABAHN VBX and Atrium iCAST Stents**

*Emma C. Clark*, Ross Milner,
*From:* Section of Vascular Surgery and Endovascular Therapy, The University of Chicago Medicine, Chicago, IL

9:30 AM – 10:00 AM  **REFRESHMENT BREAK - VISIT EXHIBITS**

10:00 AM – 10:40 AM  **SESSION III**
*Moderators:* Kellie R. Brown and Paul DiMusto

10:00 AM  21. **Outcome Comparison of Zone 1 to Zone 3 Thoracic Endovascular Aortic Repair (TEVAR) Performed Outside Versus Inside 2-cm Proximal Landing Zone Recommendation**

*William Yoon*, , Matthew Mell
*From:* Vascular Surgery, University of California Davis Medical Center, Sacramento, CA

10:10 AM  22. **From the PORTRAIT Registry: Health Status and Level of Disease in Patients Presenting with Claudication**

*Todd R. Vogel*, Robin L. Kruse, , Jonathan Bath, , Jingyan Wang, Kim G. Smolderen
*From:* ¹University of Missouri Hospitals & Clinics, Columbia, MO, ²University of Missouri-Kansas City, Kansas City, MO

10:20 AM  23. **Pre-emptive TEVAR is Unnecessary in Extended Type A (DeBakey Type I) Aortic Dissections**

*Amy B. Reed*, Michael Rosenberg, , Patrick Self, , Rumi Faizer, , R. James Valentine
*From:* Minnesota Health Fairview, University of Minnesota, Minneapolis, MN

10:30 AM  24. **Histologic and Morphologic Character of Pediatric Renal Artery Occlusive Disease**

*From:* University of Michigan, Ann Arbor, MI

10:40 AM – 10:45 AM  **POSTER COMPETITION WINNER PRESENTATION AND AWARD**
*Introduced and Presented by:* Kellie R. Brown, MD, President-Elect

† Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
10:50 AM – 11:50 AM  PRESIDENTIAL ADDRESS
Jean E. Starr, MD, 2018-2019 MVSS President
Introduced by: Kellie R. Brown, MD

11:50 AM – 12:00 PM  AWARD PRESENTATIONS

12:15 PM - 1:15 PM  MEMBER BUSINESS LUNCHEON (Members Only)

1:30 PM – 2:30 PM  SESSION IV
Moderators: Ross Milner and Jeffrey Jim

1:30 PM  25. Open Endoaneurysmorrhaphy of 9 cm Ruptured Popliteal Aneurysm 7 Years After Initial Repair

Joyce Lu,1,2, Robert Cuff1,2, Christopher Chambers1,2
From: 1Spectrum Health, Grand Rapids, MI, 2Michigan State University College of Human Medicine, MI


Zachary Lawrence, Sitaram V. Chivukula, Erin Farlow, Richard Keen, Neha Sheng
From: Department of Surgery, John H. Stroger Hospital of Cook County, Chicago, IL

1:40 PM  27. Endovascular Therapy for Spontaneous Ilio-iliac Av Fistula Due to Iliac Aneurysm Rupture with Multi Organ Dysfunction.

Muhammad Tipu Rishi, Andi Peshkepija, Justin King, Keisin Wang, John Maijub, Alok Gupta, Andres Fajardo, Raghul L. Motaganahalli
From: Surgery, Indiana University School of Medicine, Indianapolis, IN

1:45 PM  28. A Novel Way to Fenestrate a Type B Dissection Flap Using Endovascular Electrocautery

Loay Kabbani, Marvin Eng, Judith Lin, Dylan McLaughlin, Scott Bendix
From: Vascular Surgery, Henry Ford Hospital, Detroit, MI

1:50 PM  29. Renovascular Hypertension Secondary to Renal Artery Compression By Diaphragmatic Crura

Aleem K. Mirza, Michael L. Kendrick, Thomas C. Bower, Randall R. DeMartino
From: Vascular and Endovascular Surgery, Mayo Clinic Rochester, Rochester, MN

1:55 PM  30. Endovascular Salvage of Thrombosed Thoracic Aortic Stent Graft Presenting as Sudden Onset Heart Failure

Sarah EB Strot, Eanas S. Yassa, Justin M. Simmons, Robert F. Cuff, M Ashraf Mansour
From: Division of Vascular Surgery, Spectrum Health/Michigan State University, Grand Rapids, MI

† Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
2:00 PM  31.  A Contemporary Reassessment of the Vascular Surgery Workforce Predicts a Shortage in Available Services for the Next 20 Years


From: Surgery, The Ohio State University, Columbus, OH

2:10 PM  32.  Comparison of Vascular Surgery Operative Exposure for 0+5 versus 5+2 Training Paradigms

Kristin Schafer, Eric Goldschmidt, Heitham Albeshri, Munier Nazzal, Mohamed Osman

From: University of Toledo College of Medicine, Toledo, OH

2:20 PM  33.  Vascular Surgery in Ethiopia: Result of Twinning Partnership in developing Vascular Care

Girma Tefera\textsuperscript{2}, Nebyou S. Abebe\textsuperscript{1}, Yoseph Z. Semma\textsuperscript{2}, Ferron Getachew\textsuperscript{3}, Jon Matsumura\textsuperscript{2},

From: \textsuperscript{1}Addis Ababa University, Addis Ababa, Ethiopia, \textsuperscript{2}University of Wisconsin, Madison, WI, \textsuperscript{3}Addis Abaab University, Addis Ababa, Ethiopia

2:30 PM – 3:30 PM  NEW HORIZONS IN VASCULAR SURGERY SESSION II

Hemodialysis Updates

Moderators: Nicholas Osborne

Arteriovenous fistula vs. Arteriovenous Graft vs. Alternatives – How I decide for my Hemodialysis Patients

Robert F. Cuff, MD, FSVS RPVI CHSE
Assistant Professor of Surgery, MSU-CHM
Division of Vascular Surgery, SHMG
Program Director, Integrated Vascular Surgery Residency and Vascular Surgery Fellowship
Spectrum Health Medical Group
Grand Rapids, MI

Percutaneous AVF Creation – It’s Here

John G. Maijub, MD
Assistant Professor of Surgery
Indiana University School of Medicine
Indianapolis, IN

Alternative AV access ( HERO, lower extremity AVF) – Technical Tips & How to Help Our Patients

Mounir J. Haurani, MD
Associate Professor of Surgery
The Ohio State University Wexner Medical Center
Division of Vascular Diseases and Surgery
Columbus, OH
Steal Syndrome - This is What I Do

Elliott J. Stephenson, MD
Vascular and Endovascular Surgeon
Minneapolis Heart Institute® at Abbott
Northwestern Hospital
Minneapolis, MN

Detection and Management of Central Venous Stenosis – 8 minutes

Loay S. Kabbani, MD
Vascular Surgery Fellowship, Program Director
Henry Ford Health System
Detroit, MI

3:30 PM – 4:00 PM
REFRESHMENT BREAK – VISIT EXHIBITS

4:00 PM – 5:00 PM
CONTEMPORARY ISSUES IN VASCULAR SURGERY
Moderators: Joseph R. Schneider and David Chew

Justifying Hiring and Advanced Practitioners to Your Hospital or Group

Joseph R. Schneider, MD, Ph.D, RVT, RPVI
Vascular Surgery and Interventional Radiology Partners/VSIR
Northwestern Medicine
Professor of Surgery, Northwestern University Medical School
Winfield, IL

Creating Your Own Advanced Practitioner Job

Patricia Brown MSN, FNP-BC, CVRN-BC
Nurse Practitioner
Vascular Surgery and Interventional Radiology Partners/VSIR
Northwestern Medicine Central DuPage Hospital
Winfield, IL

APP to Be, or Not to Be. Integrating APPs into the Outpatient Practice

John H. Fish, III MD, FSVM, FACP, RPVI
Director Vascular Medicine, ProMedica Jobst Vascular Institute
Clinical Assistant Professor, UT Department of Surgery
2109 Hughes Drive
Toledo, Ohio

The Journey to Hiring Nine Advanced Practitioners

Brian D. Lewis, MD
Professor of Surgery and Radiology
Division of Vascular and Endovascular Surgery
Medical College of Wisconsin
Milwaukee, WI

‡ Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
SATURDAY, SEPTEMBER 14, 2019

8:00 AM – 9:30 AM
NEW HORIZONS IN VASCULAR SURGERY SESSION III

Controversies in Vascular Surgery
Patrick Muck and Mark Eskandari

Current Trends & Concerns in Vascular Training – A Update from the APDVS
Amy B Reed, MD, RPVI
Professor and Chief, Vascular and Endovascular Surgery
University of Minnesota
Director, Fairview Vascular Services
President, Association of Program Directors in Vascular Surgery
Minneapolis MN

Drug Eluting Peripheral Artery Treatment and Mortality Rates – A Real Concern?
Nicholas H. Osborne, MD, MS, RPVI
Assistant Professor of Surgery
Associate Program Director, Vascular Surgery
University of Michigan
Ann Arbor, MI

Transfemoral Carotid Artery Stenting (TFCAS)- Is it Dead and What Does the VQI Show Us?
Mel Sharafuddin, MD
Vascular Surgery
University of Iowa Hospitals & Clinics
Iowa City, IA

Carotids, Calcification and TCAR – How I Approach These Patients
Brian A. Kuhn, MD
Vascular Surgery
TriHealth Good Samaritan
Cincinnati, OH

TCAR For Standard Risk Patients? Is It Time for A Standard Risk Trial?
Peter J. Rossi, MD
Associate Professor and Chief
Division of Vascular and Endovascular Surgery
Medical College of Wisconsin
Milwaukee, WI

† Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
Covered Stents or Open Surgery for Mesenteric Ischemia – How I Choose

Pegge Halandras, MD
Vascular Surgery and Endovascular Therapy
Associate Professor
Loyola University Medical Center, Stritch School of Medicine
Maywood, IL

DOACs & Reversal Agents - Are VKAs Obsolete?

Andrea T. Obi, MD
Assistant Professor
Vascular Surgery, Surgery
Michigan Medicine Vascular Surgery Clinic
Cardiovascular Center
Ann Arbor, MI

9:30 AM – 9:45 AM
TRAVELING FELLOWSHIP PRESENTATION/AWARD

Mounir J. Haurani, MD
Associate Professor of Surgery
The Ohio State University Wexner Medical Center
Division of Vascular Diseases and Surgery
Columbus, OH
Introduced by: Kellie R. Brown, MD

9:45 AM – 10:45 AM
HONORARY GUEST LECTURE
“Physician Leadership: American Medicine’s Missing Commodity”

Spence M. Taylor, MD
President, Prisma Health—Upstate
Professor of Surgery
USC School of Medicine Greenville
Greenville, SC
Introduced by: Kellie R. Brown, MD

10:45 AM – 11:00 AM
REFRESHMENT BREAK
SESSION V
Moderators: Paul Crisostomo and Trissa A. Babrowski

11:00 AM  34. Racial Disparities Exist in Amputation Outcomes Associated with Critical Limb Ischemia
Melissa D ‘Andrea, Tia Sutton, Valerie Takyi, Carlos Bechara, Paul Crisostomo, Pegge Halandras, Michael C. Soul, Bernadette Aulivola
From: Division of Vascular Surgery, Loyola University Medical Center, Maywood, IL

11:05 AM  35. Transcarotid Artery Revascularization is Anatomically Feasible in the Majority of Patients Eligible for Carotid Artery Stenting
Ravi N. Ambani, Alexander H. King, Jones P. Thomas, Vikram S. Kashyap, Norman H. Kumins
From: University Hospitals Cleveland Medical Center, Cleveland, OH

11:10 AM  36. The Association of Plaque Morphology using Optical Coherence Tomography and Crossing Chronic Total Occlusions of the SFA
Jacob W. Hartwig, Drew J. Braet, Jonathan Bath, John F. Tann, David Garay, Jamie B. Smith
From: University of Missouri Hospitals & Clinics, Columbia, MO, Avinger Inc., Redwood City, CA

11:15 AM  37. Daytime Operation Predicts Discharge Disposition in Open Repair of Ruptured Thoracoabdominal Aortic Aneurysms
Alexander D. Leung, Charles W. Acher, Paul DiMusto
From: University of Wisconsin Hospital and Clinics, Madison, WI

11:20 AM  38. Every Day Counts: Understanding the Implication of Prolonged Length of Stay On Hospital Payments Following Carotid Endarterectomy
Nicholas H. Osborne, Danielle Sutzko, Elizabeth Andraska, Peter K. Henke
From: 123Surgery, University of Michigan, Ann Arbor, MI

11:25 AM  39. Impact of Targeted Sclerotherapy in Management of Refractory Venous Ulcer
Samer Alharthi, Mohanad Baldawi, Karen Bauer, Alexandria Ford, Ahmadiyah Siddiq, Heitham Albeshti, Weikai Qu, Mohamed Osman, Munier Nazzal
From: University of Toledo, Toledo, OH

11:30 AM  40. Gender-related Differences in Aortic Dissection in Marfan Syndrome
Jason R. Cook, Matthew A. Henn, Tarun Ramayya, MD, Rahul Handa, MD, Puja Kachroo, Alan C. Braverman, J Westley Ohman
From: Washington University, Saint Louis, MO

† Szilagyi Award, § Guthrie Award, ◊ Pfeifer Award
11:35 AM  41. The Level of Persistent False Lumen Perfusion is Associated with Increased Aortic Size after TEVAR in Patients with TBAD

Ali Rteil, Loay Kabbani, Jeffrey Nadig, Rohit Shenoy Ranjal, Richard Linchangco, Mitchell Weaver, Timothy Nypaver, Alexander Shepard

From: Henry Ford Health System, Detroit, MI

11:40 AM  42. Long-Term Outcomes and Interventions of Postoperative Type 1a Endoleaks Following Elective EVAR

Matthew Major, Graham Long, Christine Eden, Diane Studzinski, O William Brown

From: Beaumont Health, Royal Oak, MI

11:45 AM  43. Autologous Stem Cell Combination Intra-Arterial Infusion and Intra-Muscular Injection Shows Physiologic Benefit in Patients with Non-Reconstructable Critical Limb Ischemia

Karl R. Stark\textsuperscript{1,2}, Scott W. Kujath\textsuperscript{1,2}, Robert R. Carter\textsuperscript{1,2}, Paul T. Sudhakar\textsuperscript{1}

From: \textsuperscript{1}Midwest Aortic & Vascular Institute, P.C., North Kansas City, MO, \textsuperscript{2}University of Missouri- Kansas City School of Medicine, Kansas City, MO

11:50 AM  44. Assessing the Validity of Published Data on Percutaneous Transluminal Angioplasty as a Benchmark for Infrainguinal Endovascular Procedures

Phillip Key, Mekala Neelakantan, Krishna Jain, MD, Mireya Diaz, Elizabeth Lorbeer

From: Western Michigan Homer Stryker M.D. School of Medicine, Kalamazoo, MI

11:55 AM  45. Low Albumin Predicts Poor Outcome Following Lower Extremity Procedures For Peripheral Arterial Disease

Jonathan Bath, Jamie B. Smith, Robin L. Kruse, Todd R. Vogel

From: Vascular Surgery, University of Missouri, Columbia, MO

12:00 PM  46. Impact of Post Hospital Syndrome on Outcomes of Elective Endovascular Repair of Abdominal Aortic Aneurysm

Sungho Lim, Abdul Q. Alarhayem, Behzad Farivar, Sean P. Lyden, David Hardy

From: Vascular Surgery, Cleveland Clinic, Cleveland, OH

12:05 PM  47. Outcomes After Carotid Artery Stenting in Patients with Normal Neck Anatomy And Hostile Neck Anatomy Are Comparable

Zaynab Amin\textsuperscript{1}, Daisy Chou\textsuperscript{1}, Sarthak Gulati\textsuperscript{1}, Emma C. Clark\textsuperscript{2}, Jean E. Starr\textsuperscript{1}

From: \textsuperscript{1}The Ohio State University Wexner Medical Center, Columbus, OH, \textsuperscript{2}University of Chicago, Chicago, IL

12:10 PM  ADJOURN