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) Improve the delivery of care to vascular patients by applying the latest advances in diagnosis and treatment of peripheral arterial disease, especially those with critical limb ischemia.
2) Explain who benefits the most from thrombolysis of proximal deep venous thrombosis and removal of chronic inferior vena cava filters.
3) Apply new techniques in the correct setting for the treatment of carotid artery disease.
4) Describe the rationale for use of different endovascular devices for treatment of challenging abdominal aortic and arch aneurysms.
5) Discuss which patients and their risk factors may contribute poor outcomes after vascular interventions.
6) Recognize the need for quality control and identifying the regulatory standards for office-based labs.
7) Apply techniques to optimize outcomes after open surgical treatment of abdominal aortic aneurysmal and occlusive disease.

CONTINUING MEDICAL EDUCATION CREDIT INFORMATION

Accreditation
This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American College of Surgeons and Midwestern Vascular Surgical Society. The American College of Surgeons is accredited by the ACCME to provide continuing medical education for physicians.

AMA PRA Category 1 Credits™
The American College of Surgeons designates this live activity for a maximum of 14.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Of the AMA PRA Category 1 Credits™ listed above, a maximum of 5.75 credits meet the requirements for Self-Assessment.
12:45 PM  INTRODUCTORY REMARKS  
Mark A. Mattos, President

1:00 PM – 3:00 PM  SESSION I

1:00  1.  Right-Sided Axillary and Brachial Access is Efficacious and Safe for Chimney and Snorkel Grafts

Kira N. Long, MD, Trissa Babrowski, MD, Christopher Skelly, MD, Matthew Blecha, MD, Ross Milner, MD
From: Vascular Surgery, University of Chicago, Chicago, IL

1:10  2.  Transcaval Repositioning of Renal Artery Snorkel Stent and Coil Embolization of Type 1 Gutter Endoleak

Stephen Serio, MD, Jason MacTaggart, MD
From: Division of General Surgery, University of Nebraska Medical Center, Omaha, NE

1:15  3.  Contemporary Outcomes in the Management of Aortoenteric Fistula

Mohamed F. Osman, MD\textsuperscript{1}, Sean Lyden, MD\textsuperscript{1}, Behzad Farivar, MD\textsuperscript{1}, Sunita Srivastava\textsuperscript{3}, Munier Nazzal, MD\textsuperscript{2}
From: \textsuperscript{1}Vascular Surgery, Cleveland Clinic Foundation, Cleveland, OH, \textsuperscript{2}University of Toledo, Toledo, OH, \textsuperscript{3}Massachusetts General Hospital, Boston, MA

1:25  4.  Shunt Management of an Aortic Gunshot Injury with Staged Reconstruction

Sadia Ilyas, MD, John Bruun, MD, Randy Woods, MD, John Matsuura, MD
Laura Peterson, MD
From: Department of Surgery, Wright State University, Dayton, OH

1:30  5.  Evaluating Patterns and Appropriateness of Aortic Aneurysm Repair within a Statewide Vascular Surgery Registry

Frank M. Davis, MD\textsuperscript{1}, Jeremy Albright, PhD\textsuperscript{2}, Andris Kazmers, MD\textsuperscript{3}, Ash Monsour, MD\textsuperscript{4}, Paul Bove, MD\textsuperscript{5}, Peter K. Henke, MD\textsuperscript{2}
From: \textsuperscript{1}Vascular Surgery, University of Michigan, Ann Arbor, MI, USA, \textsuperscript{2}University of Michigan, Ann Arbor, MI, \textsuperscript{3}McLaren Northern Michigan Hospital, Petosky, MI, \textsuperscript{4}Spectrum Health Medical Group, Grand Rapids, MI, \textsuperscript{5}William Beaumont Hospital, Royal Oak, MI

\textsuperscript{\dagger} Szilagyi Award
6. Comparative Outcomes for Open and Endovascular Repair of Ruptured Abdominal Aortic Aneurysms Using Anatomical Criteria for Treatment Approach

Raghu L. Motaganahalli¹, Tiffany Liang, MD², Chris McAninch, MD³, Charles Acher, MD³, Lavaraj Timsina, PhD², Michael C. Dalsing, MD², Andres Fajardo, MD³, Paul Dimusto, MD³

From: ¹Surgery, Indiana University School of Medicine, Indianapolis, IN, ²Indiana University School of Medicine, Indianapolis, IN, ³University of Wisconsin School of Medicine and Public health, Madison, WI

7. Mid-term Outcomes of Retroperitoneal and Transperitoneal Exposures in Open Aortic Aneurysm Repair

Keith Glover, MD, Sean Lyden, MD, James F. Bena, MS, Federico Parodi, MD, Christopher Smolock, MD

From: Vascular Surgery, Cleveland Clinic, Cleveland, OH

8. Novel Open Technique for Repair of Endograft Migration

Yue Gao, Dimitrios Miserlis, Nitin Garg, Iraklis Pipinos

From: Department of Surgery, University of Nebraska Medical Center, Omaha, NE

9. Velocities of Type 2 Endoleaks on Doppler Ultrasonography Predict Outcome

Steven Maximus, MD, Christopher Skelly, MD, Ross Milner, MD

From: University of Chicago, Chicago, IL

10. The Role of the Inferior Mesenteric Artery in Predicting Secondary Intervention for Type II Endoleak following Endovascular Aneurysm Repair

David K. Chew, MD¹, Andrew C. Schroeder, DO², Harold W. Hsu, MD¹, Siwei Dong, MS², Jan Franko, MD, PhD⁴

From: ¹Surgery, Iowa Heart Center, West Des Moines, IA, ²Des Moines University, Des Moines, IA, ³University of Massachusetts, Worcester, MA, ⁴Mercy Medical Center, Des Moines, IA

11. Management of Advanced Aortoiliac Occlusive Disease with the Gore Iliac Branch Endoprosthesis

Sadia Ilyas MD, Nathan Droz, MD, Kamran Jafree, MD, Lucas Keller-Biehl, Garietta Falls, MD, John Matsuura, MD, Laura Peterson, MD

From: Department of Surgery, Division of Vascular Surgery, Wright State University, Dayton, OH
12. **Computational Analysis of Renal Artery Flow Characteristics by Modeling Aortoplasty and Aortic Bypass Interventions for Abdominal Aortic Coarctation**

Christopher Tossas-Betancourt, Theodorus MJ van Bakel, MD, Dawn M. Coleman, MD, Jonathan L. Eliason, MD, C. Alberto Figueroa, PhD, James C. Stanley, MD

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

13. **Treatment Results and Patient-Reported Outcomes Measures in Patients with Neurogenic Thoracic Outlet Syndrome**

Joshua Balderman, MD, Ahmmad Abuirqeba, Cassandra Pate, Lindsay Eichaker, Jeanne Earley, Michael Bottros, MD, Melissa Snyder-Rodgers, Robert W. Thompson, MD

*From:* Washington University in St. Louis, St. Louis, MO

14. **All Rib Resections are not Considered Equal: A Case of Successful Paraclavicular Surgical Decompression for Recurrent Venous Thoracic Outlet Syndrome**

Luke O. Pesonen, MD, Edward L. Kreimier, MD, Miles W. Jackson, MD, Michael J. Heidenreich, MD, Abdulhameed Aziz, MD

*From:* Department of Surgery, St. Joseph Mercy Hospital, Ypsilanti, MI

**Q & A**

**NEW HORIZONS IN VASCULAR SURGERY SESSION I**

3:30 PM – 4:00 PM


Mel J. Sharafuddin, MD. MS
Clinical Associate Professor of Surgery - Vascular Surgery
University of Iowa Health Care, Carver College of Medicine, Iowa City, IA

Andres Fajardo, MD
Assistant Professor of Clinical Surgery – Vascular Surgery
Indiana University School of Medicine, Indianapolis, IN

Jon S. Matsumura, MD
Chairman, Division of Vascular Surgery, Professor
University of Wisconsin School of Medicine and Public Health, Madison, WI
4:00 – 4:20 Debate: Endovascular Management of The Common Femoral Artery Has Come of Age Vs. Endovascular Management of The Common Femoral Artery Is Never Appropriate

Jonathan M. Bath, MD
Vascular Surgery
University of Missouri School of Medicine, Columbia, MO

Audra A. Duncan, MD
Chief, Vascular Surgery
LHSC Victoria Hospital, Western University, London, ON, Canada

Discussion

4:30 PM – 5:30 PM SESSION 1B – VENOUS

4:30 – 4:50 Debate: Medical Management of Proximal DVT Is Most Appropriate After ATTRACT Vs. Thrombolysis of Proximal DVT Is Still Best

Suresh Vedantham, MD
Professor, Radiology, Division of Diagnostic Radiology
Interventional Radiology Section, Mallinckrodt Institute of Radiology
Professor, Surgery, Washington University School of Medicine, St. Louis, MO

vs.

Andrea T. Obi, MD
Assistant Professor, Section of Vascular Surgery
University of Michigan, Ann Arbor, MI

4:50 – 5:00 How I Do It: PE And DVT Thrombolysis and Venous Stenting

Patrick E. Muck, MD, RVT
Chief of Vascular Surgery. Program Director Vascular Fellowship & Integrated Residency
Good Samaritan Hospital, Cincinnati, OH

5:00 – 5:20 Debate: Removal of Chronic IVC Filters Is Important Vs. Removal of Chronic IVC Filters Does More Harm Than Good

John Rectenwald, MD, MS vs.
Visiting Professor, Division of Vascular Surgery
University of Wisconsin School of Medicine and Public Health, Madison, WI

PETER J. ROSSI, MD
Associate Professor of Surgery
Medical College of Wisconsin, Milwaukee, WI

Discussion

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

5:45 PM - 6:45 PM POSTER SESSION (Ballroom Foyer)
FRIDAY, SEPTEMBER 14, 2018

7:15 AM – 8:00 AM  CONTINENTAL BREAKFAST WITH EXHIBITORS

8:00 AM – 9:30 AM  SESSION II

8:00  15.  A Frailty Based Risk Score Predicts Morbidity and Mortality After Elective Endovascular Thoracic Aortic Aneurysm Repair

Donald Harris, MD, Jon Matsumura, MD, Paul DiMusto, MD
From: Surgery, University of Wisconsin Hospital, Madison, WI

8:10  16.  Outcomes Following TEVAR for Management of Complicated Acute Aortic Syndromes

Nathan Kugler, MD, Nathan Alcasid, Amy Taylor, MD, Max Wohlauer, MD, Peter J. Rossi, MD, Kellie R. Brown, MD, Brian D. Lewis, MD, Robert Hieb, MD, Parag J. Patel, MD, Cheong Jun Lee, MD
From: Vascular Surgery, Medical College of Wisconsin, Milwaukee, WI

8:20  17.  Resuscitative Endovascular Balloon Occlusion of the Aorta (REBOA) and Thoracic Endograft Placement for Paravisceral Aortic Injury

Yue Gao, Asish Patel, Lisa Schlitzkus, Nitin Garg
From: Department of Surgery, University of Nebraska Medical Center, Omaha, NE

8:25  18.  Intramural Hematomas of the Thoracic Aorta: Current Management Strategies and Outcomes

Dustin Baker, MD, Graham Long, MD, Jeffrey Altshuler, MD, Diane Studzinski, Rose Callahan, O.W. Brown, MD
From: Department of Surgery, William Beaumont Hospital - Royal Oak, Royal Oak, MI

8:35  19.  Analysis of Outpatient Telemedicine Reimbursement in an Integrated Healthcare System

Brian Sullivan, Judith C. Lin, MD, Courtney Stevens
From: Division of Vascular Surgery, Henry Ford Hospital, Detroit, MI

† Szilagyi Award
8:45  20. NSQIP Data Indicate Blood Transfusion After Lower Extremity Bypass Increases Complication Rates

Mustafa B. Baldawi, MD, Jared Bobulski, Mohanad B. Baldawi, MD, Stephen F. Markowiak, MD, Weikai Qu, MD, Munier N. Nazzal, MD
From: Surgery, University of Toledo, Dept. of Surgery, Toledo, OH

8:55  21. Deleterious Effects of General Anesthesia on Minor Foot Amputations

Martin Walsh, Sungho Lim, MD, Lindsay Gil, MD, Pegge Halandras, MD, Carlos Bechara, MD, Bernadette Aulivola, MD, Paul Crisostomo, MD
From: Vascular Surgery, Loyola University, Maywood, IL

9:05  22. Cryo-amputation of a Severely Infected Above Knee Amputation Stump

Sadia Ilyas, MD, Jennifer Lynde, MD, Laura Peterson, MD, John Matsuura, MD
From: Department of Surgery, Wright State University, Dayton, OH

9:10  23. Premature Peripheral Arterial Disease is Associated with Worse Outcomes in Patients Undergoing Infrainguinal Bypass and Endovascular Intervention

Taehwan Yoo, MD, Daisy Chou, MD, Suraj Prakash, MD, Bhagwan Satiani, MD, Jean E. Starr, MD
From: Vascular Surgery, The Ohio State University Wexner Medical Center, Columbus, OH

9:20  24. Variables Predicting SSI In Femoro-popliteal Bypass in The Time of Endovascular Therapy: A Retrospective Analysis of The NSQIP Database

Chandan Das, MD, Munier Nazzal, MD, Marcus Adair, MD, Stephen Markowiak, MD, Menatallah Omar, MD, Stephanie Gregory
From: University of Toledo Medical Center, Toledo, OH

Q & A

9:30 AM – 10:00 AM REFRESHMENT BREAK - VISIT EXHIBITS
10:00 AM – 11:00 AM

SESSION III

10:00  25. Early Findings with Vacuum Assisted Thrombectomy for Acute Limb Ischemia

Evan T. Neville, MD, Brent J. Robertson, MD, Timothy J. Fuller, MD, Lala R. Hussain, MSc, MHA, Matthew H. Recht, MD, Brian A. Kuhn, MD, Aaron D. Kulwicki, MD, Patrick E. Muck, MD

From: Vascular Surgery, Tri-Health Good Samaritan Hospital, Cincinnati, OH

10:10  26. Old Tradition of Prophylactic Fasciotomy Could Be Avoided

Shahriar Alizadegan, MD

From: Vascular Surgery, Medical College of Wisconsin, Brookfield, WI

10:15  27. Outcomes of Drug Coated Balloons in Patients with Critical Limb Ischemia

Cheong Lee, MD, Stephen J. Lee, Max Wohlauer, MD, Robert Hieb, MD, Parag J. Patel, MD, Sarah B. White, MD, Peter J. Rossi, MD, Brian Lewis, Kellie R. Brown, MD

From: Vascular Surgery, Medical College of Wisconsin, Milwaukee, WI

10:25  28. In Search of the Right Tool: Using a Standardized Risk Calculator to Predict Groin Wound Infection

Liska L. Havel, MD, Andrew J. Borgert, PhD, Kara J. Kallies, Irina Shakhnovich, MD

Surgery, Gundersen Health System, La Crosse, WI

10:35  29. Popliteal Artery Aneurysm Repair with Minimally Invasive Endoscopic Vein Harvest Yields Outstanding Wound Healing Outcomes with Fast-Tracked Hospitalization

Farwa Batool, MD, Miles W. Jackson, MD, Aela Vely, MD, Rhami Khorfan, MD, Michael J. Heidenreich, MD, Abdulhameed Aziz, MD

From: General Surgery, Saint Joseph Mercy Hospital- Ann Arbor, Ypsilanti, MI


Martina S. Draxler, MD, Ziad Al-Adas, MD, Daniyal Abbas, MD, Yasaman Kavousi, MD, Loay S. Kabbani, MD, Judith C. Lin, MD, Mitchell R. Weaver, MD, Alexander D. Shepard, MD, Timothy J. Nypaver, MD

From: Vascular Surgery, Henry Ford Hospital, Detroit, MI

10:55  ANNOUNCEMENT OF POSTER COMPETITION WINNER-PODIUM PRESENTATION

Introduced by: Jean E. Starr, MD
11:10 AM – 12:00 PM  PRESIDENTIAL ADDRESS  “Protecting the Specialty”  Mark A. Mattos, MD, 2017-2018 President  
Introduced by: Jean E. Starr, MD

12:10 PM  AWARD PRESENTATION  Announced by: Mark A. Mattos

12:15 PM - 1:30 PM  MEMBER BUSINESS LUNCHEON (Members Only)

1:30 PM – 2:30 PM  SESSION IV

1:30 31. Parallel Stent-graft Approaches in Zones-0 And 1 Aortic Arch Aneurysmal Pathologies

Alexandra J. Sharp, Jacob H. Sharafuddin, Justin H. Walpole, MD, Jane J. He, MD, Mel J. Sharafuddin
From: Surgery, University of Iowa College of Medicine, Iowa City, IA

1:35 32. Endovascular Elephant Trunk Completion for Distal Arch-Proximal Thoracic Aortic Aneurysms

Jeffrey Jim, MD, Senthil Jayarajan, MD, Marc Moon, MD, Luis A. Sanchez, MD
From: Washington University School of Medicine, St. Louis, MO

1:45 33. Complete Endovascular Arch Reconstruction with A Multi-Branch Device for the Management of Aortic Arch Aneurysm

Thomas J. Desmarais, MD, Claudiu A. Vlada, MD, Jeffrey Jim, MD, Luis A. Sanchez, MD
From: Washington University in Saint Louis, Saint Louis, MO

1:50 34. Creation of an Affordable Pulsatile Cadaver-based Abdominal Aortic Surgery Training Model

Rumi Faizer, MD, Clarence Ojo, MD, Ashish Singal, MD, Amy Reed, MD
From: Surgery, University of Minnesota, Minneapolis, MN

2:00 35. Survey of Vascular Surgery Trainees Suggests Standardized Vascular Laboratory Curriculum During Training May Be Valuable

Daisy Chou, MD, Taehwan Yoo, MD, Michael R. Go, MD, Jean E. Starr, MD, Bhagwan Satiani, MD
From: Vascular Surgery, The Ohio State University Wexner Medical Center, Columbus, OH
2:10 36. Trends in Management and Outcomes of Vascular Emergencies in the United States

Todd R. Vogel, MD1, Jonathan Bath, MD2, Viktor Y. Dombrovskiy, PhD3
From: 1Division of Vascular Surgery, University of Missouri Hospitals & Clinics, Columbia, MO, 2Department of Surgery, Rutgers-Robert Wood Johnson Medical School, New Brunswick, NJ

2:20 37. Intravascular Ultrasound Guided Catheter-Directed Mechanical Thrombectomy in a Pregnant Female with Iliofemoral Acute Deep Vein Thrombosis

Jinkook Kang, Sungho Lim, MD, Pegge Halandras, MD, Carlos Bechara, MD, Bernadette Aulivola, MD, Paul Crisostomo, MD
From: Vascular Surgery, Loyola University, Maywood, IL

Q & A

2:30 PM – 5:00 PM NEW HORIZONS IN VASCULAR SURGERY SESSION II

2:30 PM – 3:30 PM SESSION 2A – CRITICAL LIMB ISCHEMIA

2:30 – 2:40 A Review of Available Tools for Endovascular Therapy In 2018

Patrick E. Muck, MD, RVT
Chief of Vascular Surgery. Program Director Vascular Fellowship & Integrated Residency
Good Samaritan Hospital, Cincinnati, OH

2:40 – 2:50 The Role of Novel Perfusion Assessments In CLI

Michael Go, MD
Vascular Surgery
The Ohio State University Wexner Medical Center, Columbus, OH

2:50 – 3:00 Contemporary Management of The Diabetic Foot Ulcer

Said Atway, DPM
Podiatry
Wexner Medical Center, The Ohio State University, Columbus, OH

3:00 – 3:10 When to Use Advanced Adjuvant Wound Therapies

John P. Kirby, MD
Associate Professor of Surgery
Washington University St. Louis
Barnes Jewish Hospital, Surgical and Wound Care Clinic
Barnes Center for Outpatient Health
St. Louis, MO

† Szilagyi Award
3:10 – 3:20  The Current State of Cell Therapy and Regenerative Medicine For CLI

Michael P. Murphy, MD
Associate Professor of Surgery, Indiana University School of Medicine, Indianapolis, IN

Discussion

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

4:00 PM – 5:00 PM  SESSION 2B - CURRENT ISSUES IN COMMUNITY PRACTICE

“OFFICE BASED LABS”

Establishing An OBL
(Starting from scratch- space, equipment, personnel, inventory)

Nitin G. Malhotra, MD
Michigan Vascular Center, Flint, M

Dialysis Access Dedicated OBL
(Surveillance and endovascular treatment for hemodialysis access problems- keeping contact with our patients)

Jihad T. Abbas, MD, RPVI
University of Toledo Medical Center. Toledo, OH
Vascular Surgery, Wound Care, ProMedica

Quality and Quality Improvement
(Measuring what we do to make it better)

Dennis M. Fry, MD
Vascular Surgery, West Des Moines, IA

Regulation/Certification
(Regulatory and certification relevant to OBLs)

Robert G. Molnar, MD
Michigan Vascular Center, Flint, MI
Clinical Professor of Surgery, Michigan State University
Associate Program Director for the MSU General Surgery Program-Flint
SATURDAY, SEPTEMBER 15, 2018

7:00 AM – 7:55 AM                     BREAKFAST

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

SESSION 3 - CEREBROVASCULAR

8:00 – 8:20    Debate: TCAR and/or Transfemoral CAS Are Best for Recurrent Carotid Stenosis vs. Redo CEA Is Best

Raghu Motaganahalli, MD, RPVI          vs.
Division Chief of Vascular Surgery, Associate Professor & Program Director
Indiana University School of Medicine, Indianapolis, IN

Gregory C. Kasper, MD
President, Chief Medical Officer
Program Director, Jobst Vascular Fellowship
Jobst Vascular Institute, Toledo, OH

8:20 – 8:35    A Review of The Current Data on CEA For Asymptomatic Disease

Christopher L. Skelly, MD
Associate Professor of Surgery, Chief, Vascular Surgery & Endovascular Therapy
Director, Vascular Surgery Fellowship Program, Director, Vascular Lab
UC Chicago Medicine, Chicago, IL

8:35 – 8:50    What Is Best Medical Management for Carotid Disease In 2018

David A. Carpenter, MD
Professor of Neurology
Medical Director, Barnes-Jewish Hospital/Washington University
Comprehensive Stroke Center, Washington University School of Medicine
St. Louis, MO

8:50-9:05     How I Do It: TCAR

Jeffrey Jim, MD, MPHS
Associate Professor, Section of Vascular Surgery
Program Director, Vascular Surgery Fellowship and Residency
Washington University School of Medicine, St. Louis, MO

9:05-9:20     How I Do It: Eversion CEA

M. Ashraf Mansour, MD
Vascular Surgery, Spectrum Health Medical Group, Grand Rapids, MI

9:20-9:30     Discussion
9:30 AM – 9:45 AM  REFRESHMENT BREAK

9:45 AM – 11:00 AM  HONORARY GUEST LECTURE
    Introduced by: Jean E. Starr, MD

"IMPLICIT BIAS IN HEALTHCARE AND IN MEDICAL SCHOOL ADMISSIONS"

Quinn Capers, IV, MD, FACC, FSCAI
Associate Dean for Admissions, The Ohio State University College of Medicine
Associate Professor of Medicine (Cardiovascular Medicine)
Program Director, Interventional Cardiology Fellowship
Division of Cardiovascular Medicine
The Ohio State University
Columbus, OH

11:00 AM – 12:10 PM  SESSION V

11:00  38.  Results of Carotid Endarterectomy in Patients with Contralateral Internal Carotid Artery Occlusion from the Society for Vascular Surgery Vascular Quality Initiative

Joseph R. Schneider, MD¹, Julia B. Wilkinson, M¹, Thea J. Rogers¹, Michael J. Verta, MD¹, Cheryl R. Jackson, RN¹, Andrew W. Hoel, MD², ¹Surgery
From: ¹Surgery, Northwestern Medicine, Winfield, IL, ²Northwestern Medicine, Winfield, IL

11:10  39.  Clopidogrel Use Is Not Associated with Increased Complications Following CEA

Timothy M. Sullivan, MD, Peter Alden, MD, Jason Alexander, MD, Jesse Manungu, MD, Elliot Stephenson, MD, Jessica Titus, MD, Joseph Karam, MD, Xiaoyi Teng, MD, Nedaa Skeik, MD, Andrew Cragg, MD
From: Dept of Vascular / Endovascular Surgery, Minneapolis Heart Institute at Abbott Northwestern Hospital, Minneapolis, MN

11:20  40.  Retrograde Stenting of Brachiocephalic Artery with Juxtaposed Left Common Carotid Artery

Shoaib Shafique, MD, Kate Dell, RN
From: St. Vincent Medical Group, Lafayette, IN

11:25  41.  Outcomes Associated with Postoperative Glycemic Control after Carotid Procedures

Jonathan Bath, Robin L. Kruse, PhD, Naveen Balasundaram, MD, Jamie B. Smith, Todd R. Vogel, MD
From: University of Missouri, Columbia, MO

† Szilagyi Award
11:35  42. **Area Deprivation Index Score Is Associated with Lower Rates of Long Term Follow-up after Upper Extremity Vascular Injuries**

*Mina L. Boutrous, MD*, Anh L. Ta, Yuqian Tian, Carl A. Freeman, MD, Matthew R. Smeds

*From:* 1Vascular Surgery Division, St. Louis University, St. Louis, MO, 2Trauma and Surgical Critical Care Division, St. Louis University, St. Louis, MO

11:45  43. **Non-invasive and Patient-specific Assessment of True Severity of Renal Arterial Stenosis for New Guidelines for Planning Stent Therapy**

Alan P. Sawchuk, MD, Monsurul Khan, Anurag Deb, Raghu L. Motaganahalli, MD, Xin Fang, MD, Fangke Chen, MD, **Huidan (Whitney) Yu, PhD**

*From:* 1Indiana University, Indianapolis, IN, 2Indiana University-Purdue University Indianapolis, Indianapolis, IN, 3Hangzhou First Peoples' Hospital, Hangzhou, China

11:55  44. **Innominate Artery Via Ministernotomy With Anatomic Tunneling for Critical Ischemia of The Left Upper Extremity**

*Alexandra J. Sharp*, Adeola T. Odugbesi, MD, Jeanette Man, MD, Anna E. Marjan, MD, Mel J. Sharafuddin, MD

*From:* 1Luther College, Iowa City, IA, 2University of Iowa Carver College of Medicine, Iowa City, IA, 3Surgery, University of Iowa College of Medicine, Iowa City, IA

12:00  45. **Proximalization of Arterial Inflow for Treatment of Hemodialysis Induced Arterial Steal Syndrome**

*Shoaib Shafique, MD*, Kate Dell, RN

*From:* Franciscan St Elizabeth Health, Lafayette, IN

Q & A

12:10 PM  ADJOURN