

MIDWESTERN VASCULAR 2024
49th Annual Meeting
September 12-14, 2024
Westin Chicago River North
Chicago, IL

PRELIMINARY PROGRAM SHELL

THURSDAY, SEPTEMBER 12, 2024

6:00 – 6:00 PM	Registration Hours
7:00 – 8:30 AM	INDUSTRY APPRECIATION BREAKFAST
7:00 – 11:45 AM	SIMULATION ASSESSMENT COURSE
8:45 – 11:15 AM	MVSS EXECUTIVE COUNCIL MEETING
11:30 – 12:20 PM	INDUSTRY SPONSORED LUNCH SYMPOSIUM
12:30 PM	WELCOME/INTRODUCTORY REMARKS Bernadette Aulivola, MD, President

12:35 – 1:45 PM	SCIENTIFIC SESSION 1 Moderators:
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| 12:35 | <p>1.
 A 30-Day Smoke Free Window Prior To Carotid Endarterectomy In Asymptomatic Patients Reduces Stroke Risk To Never Smoker Levels
 <i>Hassan Chamseddine, MD¹, Alexander Shepard, MD¹, Timothy Nypaver, MD¹, Mitchell Weaver, MD¹, Constantinos Constantinou, MD², Loay Kabbani, MD¹.</i>
 ¹Henry Ford Hospital, Detroit, MI, ²MyMichigan Health, MI</p> |
| 12:45 | <p>2.
 Differences In Growth And Shape Between Symptomatic And Asymptomatic Abdominal Aortic Aneurysms
 <i>Drew J. Braet, MD, Timothy J. Baker, PhD, Jonathan L. Eliason, MD, C. Alberto Figueroa, PhD, Nicholas S. Burris, MD.</i>
 <i>University of Michigan, Ann Arbor, MI</i></p> |
| 12:55 | <p>3.
 Enhanced Recovery Pathway For All-comer Infrainguinal Bypass Decreases Length Of Stay
 <i>Calvin L. Chao, MD, Lara Lopes, MD, Nidhi Reddy, BA, Deena El-Gabri, MD, MPH, Lauren Broucek, ANP, Rebekkah B. Sobolewski, ANP, Nicole Willens, RN, Kyle W. Prochno, MD, Eric Pillado, MD, Joseph R. Schneider, MD, PhD, Julie B. Wilkinson, MD, Andrew W. Hoel, MD, Tadaki M. Tomita, MD, Ashley K. Vavra, MD, MS.</i>
 <i>Northwestern University, Chicago, IL</i></p> |
| 1:05 | <p>4.
 Improvement In Optimal Discharge Medications Within The Vascular Quality Initiative Is Associated With Improved Long-term Survival
 <i>Venkata Vineeth Vaddavalli¹, Kristine T. Hanson², Yu-Hui Chang, PhD³, Randall R. DeMartino, MD¹.</i>
 ¹Division of Vascular and Endovascular Surgery, Mayo Clinic, Rochester, MN, ²Health Services Research, Mayo Clinic, Rochester, MN, ³Quantitative Health Science Research, Mayo Clinic, Scottsdale, AZ</p> |
| 1:15 | <p>5.
 Personalizing Decision Making For Asymptomatic Carotid Stenosis Using Artificial Intelligence
 <i>Mackenzie Madison, MD¹, Xiao Luo, PhD², Jackson Silvey², Robert Brenner¹, Kartik Gannamaneni¹, Alan P. Sawchuk, MD¹.</i>
 ¹Indiana University School of Medicine, Indianapolis, IN, ²Oklahoma State University, Stillwater, OK</p> |

1:25	6. The Impact Of Sociodemographic Variables On Functional Recovery Following Lower Extremity Amputation Rylie O'Meara¹, Karan Chawla, MD¹, Akshita Gorantla¹, Robert Kelly, MD¹, Matthew DeJong, MD¹, Trissa Babrowski, MD², Pegge Halandras, MD¹, Matthew Blecha, MD¹. ¹Loyola University Chicago, Stritch School of Medicine, Loyola University Health System, Maywood, IL, ²University of Chicago Medical Center, Chicago, IL
1:35	7. Radiation Exposure From Preemptive Embolization Of The Inferior Mesenteric Artery And Lumbar Arteries Versus Secondary Interventions For Type II Endoleak Induced Aneurysm Sac Growth Following Endovascular Aortic Aneurysm Repair Maianh T. Tran, DO¹, Ryan A. Schmelter, DO¹, Nicholas P. Castellano, MD¹, Preeti Singh, MD¹, David K. Chew, MD¹, Jan Franko, MD¹. ¹MercyOne Medical Center Des Moines, Des Moines, IA, ²MercyOne Iowa Heart Center, West Des Moines, IA
1:45 – 2:15 PM	COFFEE BREAK (Visit Exhibits)
2:15 – 3:25 PM	SCIENTIFIC SESSION 2 Moderators:
2:15	8. Twenty-five Years Of Management Of Popliteal Venous Aneurysms Boshra Al Ibraheem, MD¹, Ghaith Almahanni, MD¹, Jane Long, MD², Indrani Sen, MD¹, Joseph Wildenberg, PhD¹, Victor Davila, MD³, Jill Colglazier, MD², Sam Farres, MD⁴, Thomas Carmody, MD¹, Tiziano Tallarita, MD⁵. ¹Mayo Clinic Health System, Eau Claire, WI, ²Mayo Clinic, Rochester, MN, ³Mayo Clinic, Phoenix, AZ, ⁴Mayo Clinic, Jacksonville, FL, ⁵Cardiovascular Surgery, Mayo Clinic Health System, Eau Claire, WI
2:25	9. Endoscopic Vein Harvest Of Great Saphenous Vein Is Associated With Worse Long-term Outcomes In Infra-inguinal Bypass Patients Mohamad Chahrour, MD¹, Hassan Chamseddine, MD², Jamal Hoballah, MD³, Loay Kabbani, MD², Alexander Shepard, MD², Timothy Nypaver, MD², Maen Aboul Hosn, MD¹. ¹University of Iowa Hospital and Clinics, Iowa City, IA, ²Henry Ford Hospital, Detroit, MI, ³American University of Beirut, Beirut, Lebanon
2:35	10. A Systematic Evaluation Of The Impact Of Contralateral Stenosis On Ipsilateral Internal Carotid Artery Hemodynamics Drew J. Braet, MD¹, Jonas Schollenberger, PhD², Nicholas H. Osborne, MD¹, C. Alberto Figueroa, PhD¹. ¹University of Michigan, Ann Arbor, MI, ²University of California, San Francisco, San Francisco, CA
2:45	11. Insights Into The Role Of Bone In Ischemia/reperfusion Events And Its Implications For Outcomes In Peripheral Artery Disease. Ali Hani Hakim, MD¹, Yuqian Tian, MD¹, Cody Anderson, PhD¹, Prateek Sharma, MD¹, Al-Murtadha Al-Gahmi, MD¹, Julian S. Kim, PhD¹, Adina Draghici, PhD², Pooneh Bagher, PhD¹, Mark A. Carlson, MD¹, Iraklis I. Pipinos, MD¹. ¹UNMC, Omaha, NE, ²Harvard Medical School, Boston, MA
2:55	12. Contemporary Iliac DVT Invasive Management: Lower Post-thrombotic Syndrome Incidence Than Ever Before. Ali Hani Hakim, MD, Prateek Sharma, MD, Yuqian Tian, MD, Jason R. Cook, MD. UNMC, Omaha, NE

- 3:05 **13.**
Long-term Outcomes From Two Decades Of Endovascular Aortic Repair
Suma Gondi, Shaminy Manoranjithan, Chase Schlesselman, Uttara Nag, Steven Cheung, Todd R. Vogel, Jonathan Bath.
University of Missouri, Columbia, MO
- 3:15 **14.**
Preoperative Ecmo Cannulation Confers Decreased Mortality In High-risk Pulmonary Embolism
Joshua Meredith, MD, Adam Reichard, MD, Patrick Muck, MD.
Trihealth, Cincinnati, OH

3:25 – 3:45 PM COFFEE BREAK (Visit Exhibits)

3:45– 5:15 PM	NEW HORIZONS IN VASCULAR SURGERY SESSION 1: PE TREATMENT AND MISCELLANEOUS DEBATES Moderators:
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- 3:45pm Setting up a PERT Program with a Multidisciplinary Approach**
David Laczynski, MD – Cleveland Clinic
- 3:55pm Review of the Most Important PE Treatment Trials**
Mohamed Zayed, MD – Washington University
- 4:05pm AI Use for Acute PE Diagnosis**
Osmanuddin Ahmed, MD – University of Chicago Medicine
- 4:15pm DEBATE: IVUS is Essential for Successful Angioplasty and Stenting Procedures**
Steven Cheung, MD – University of Missouri
- 4:25pm DEBATE: IVUS Adds Little Benefit Other Than Time and Expense to Revascularization Procedures**
Nader Tehrani, MD – Silver Cross Hospital
- 4:35pm DEBATE: ERAS/Prehab Improves Vascular Surgery Outcomes**
Courtney Morgan, MD -- University of Wisconsin
- 4:45pm DEBATE: ERAS/Prehab Has Limited Value in Vascular Surgery Outcomes**
Paul Crisostomo, MD -- Loyola University
- 4:55PM Panel Discussion**

5:15 – 6:45 PM WELCOME RECEPTION

FRIDAY, SEPTEMBER 13, 2024

7:15 AM – 5:00 PM Registration Hours

7:15 – 8:00 AM CONTINENTAL BREAKFAST/VISIT EXHIBITS

8:00 – 9:30 AM	SCIENTIFIC SESSION 3 Moderators:
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- 8:00 **15.**
Endoscopic Vein Harvest And Its Effect On Lower Extremity Arterial Bypass Patency
Justin Robbins, MD¹, Brian Schutter¹, Charlie Cush¹, Dawn Szeltner¹, Haley Ehrlich, MD¹, Sarah Katchen, MD¹, Timothy Crawford, PhD¹, Muhammad Rishi, MD², Jonathan Velasco, MD².
¹Wright State University, Dayton, OH, ²Kettering Medical Center, Kettering, OH

- 8:10 **16.**
Mid-term Outcomes Of Covered And Non-covered Stents For Femoropopliteal Atherosclerotic Disease
Margaret Kurop, Andrew Bedford, Sara Beudoin, Jennifer Huffman, Chase Schlesselman, Steven Cheung, Todd R. Vogel, Jonathan Bath.
University of Missouri, Columbia, MO
- 8:20 **17.**
Initial Experiences With The Treatment Of Thoracoabdominal And Pararenal Aortic Aneurysms With Visceral Artery *In Situ* Fenestration Using Radiofrequency And Biplane Angiography
Jacob Shapiro, Adam Reichard, MD, Patrick Muck, MD.
TriHealth, Cincinnati, OH
- 8:30 **18.**
TEVAR In Connective Tissue Disease Patients Is Not A Definitive Option
Bryan D. Cass, MD, Courtney Hanak, MD, Ryan Ellis, MD, Ahmed Sorour, MD, Jon Quatromoni, MD, Sean Lyden, MD, Francis Caputo, MD.
Cleveland Clinic, Cleveland, OH
- 8:40 **19.**
Socioeconomic Disadvantage Is A Leading Risk Factor For Major Amputation Following Emergent Infra-inguinal Arterial Bypass Surgery
Meghan N. Cichocki¹, Rylie E. O'Meara¹, Ian T. Kang¹, Zach Kittrel¹, Priya Rao¹, Lorela B. Weise, MD¹, Trissa Babrowski, MD², Michael Soult, MD¹, Matthew Blecha, MD¹.
¹Loyola Stritch School of Medicine, Maywood, IL, ²University of Chicago Medical Center, Chicago, IL
- 8:50 **20.**
Incidence And Risk Factors Associated With Post-Operative Index Leg Ischemia Following Endovascular Abdominal Aortic Aneurysm Repair
Matthew Leverich¹, Ahmed M. Afifi, MD¹, Gang Ren, PhD¹, Nicolas Mouawad, MD², Munier Nazzal, MD¹.
¹University of Toledo College of Medicine and Life Sciences, Toledo, OH, ²McLaren Health System - Bay Region, Bay City, MI
- 9:00 **21.**
Pedal Bypass In CLTI: A Tale Of Excellent Results But Decreasing Utilization
Hassan Chamseddine, MD¹, Alexander Shepard, MD¹, Jamal J. Hoballah, MD², Timothy Nypaver, MD¹, Mitchell Weaver, MD¹, Tamer Boules, MD¹, Yasaman Kavousi, MD¹, Kevin Onofrey, MD¹, Andi Peshkepija, MD¹, Loay Kabbani, MD¹.
¹Henry Ford Hospital, Detroit, MI, ²American University of Beirut, Beirut, Lebanon
- 9:10 **22.**
People Of Hmong Ethnicity Have Increased Predisposition To Aortic Dissection
Michelle W. Kahng, Nolan C. Cirillo-Penn, Stephen J. Huddleston, Qi Wang, Andrew W. Shaffer, Yauhen A. Tarbunou, Rosemary F. Kelly, Rumi Faizer.
University of Minnesota, Minneapolis, MN
- 9:20 **23.**
Feasibility, Development, And Implementation Of The First Tele-vascular Care Program In The Veterans Health Administration
Liza Rieke, NP¹, Jeanette C. Varanelli¹, Gilles CJ Pinault, MD¹, Jessie Jean-Claude¹, Dana Frazer, MD².
¹Louis Stokes VA Hospital, Cleveland, OH, ²Detroit VA Medical Center, Detroit, MI
- 9:30 – 10:00 AM COFFEE BREAK (Visit Exhibits)**

- 10:00 **24.**
Scope Of Practice, Workplace Satisfaction, And Burnout In U.s. Physician Extenders In Vascular Surgery
Matthew R. Smeds, MD¹, Saideep Bose, MD¹, Holly Grunebach², Kristin Alix, NP³.
¹Saint Louis University, Saint Louis, MO, ²Johns Hopkins University, MD, ³University of Colorado, CO
- 10:10 **25.**
A Minority Of Real-World Patients Have Good Contiguous Great Saphenous Vein That Is Equivalent To What Was Used In The BEST-CLI Trial
Kaushik Gokul, Nicholas Schaper, Neha Gupta, Alejandro Ruiz, Matthew R. Smeds, MD, Saideep Bose, MD.
Saint Louis University School of Medicine, St. Louis, MO
- 10:20 **26.**
Long-term Outcomes Of Endovascular Aneurysm Repair In Standard Versus Narrow Aortic Bifurcation
Christopher Pedersen, MD¹, Ross Milner, MD², Jeffrey Jim, MD¹.
¹Minneapolis Heart Institute - Abbott Northwestern Hospital, Minneapolis, MN, ²University of Chicago, IL
- 10:30 **27.**
Aneurysm Size Index As A Novel Method To Evaluate Abdominal Aortic Aneurysms Guide Repair
Santiago Rolon, MD¹, Angela G. Gableman, M1², Ayokunle S. Olowofela, MD¹, Neel A. Mansukhani, MD².
¹Medical College of Wisconsin, Wauwatosa, WI, ²Northwestern University Feinberg School of Medicine, Chicago, IL
- 10:40 **28.**
The Efemoral Vascular Scaffold System (EVSS): A Novel, Resorbable, Sirolimus-eluting Device For Percutaneous Peripheral Intervention (PPI)
Rym El Khoury, MD¹, Ivan Tzvetanov², Jared Goor, PhD², Edward A. Estrada², Eugene Michal², Edward McCarroll², Pascal St-Jacques³, Louis-Georges Guy, PhD³, Lewis Schwartz, MD⁴.
¹NorthShore University HealthSystem, Evanston, IL, ²Efemoral Medical, Inc., Los Altos, CA, ³AccellAB, Inc., Boisbriand, QC, Canada, ⁴Advocate Lutheran General Hospital, Park Ridge, IL
- 10:50 **29.**
Impact Of Placement Of The Venovalue On Ceap Score In Patient'S Treated In Savve Trial
Raghu L. Motaganahalli¹, Chelsea Dorsey², Claire Griffin, MD³, Eric Hager, MD⁴, Karem Harth, MD⁵, Matthew R. Smeds, MD⁶, Patrick Muck⁷, Cassius Ochoa Chara, MD⁸.
¹Surgery, Indiana University School of Medicine, Indianapolis, IN, ²University of Chicago School of Medicine, Chicago, IL, ³University of Utah, Salt Lake City, UT, ⁴University of Pittsburgh School of Medicine, Pittsburgh, PA, ⁵Case Western Reserve University School of Medicine, Cleveland, OH, ⁶St Louis University School of Medicine, St Louis, MO, ⁷Good Samaritan Hospital, Cincinnati, OH, ⁸Yale University School of Medicine, New Haven, CT

2023 Traveling Fellowship**Matthew Smeds, MD**

St. Louis University Hospital, St. Louis, MO

2023 DEI Research Scholarship**Drayson Campbell**

The Ohio State University College of Medicine, Columbus, OH

*How Multidisciplinary Clinics Mitigate Socioeconomic Barriers to Care for Chronic Limb-Threatening Ischemia: A Mixed-Methods Analysis***Announcement of Trainee Awards***(D. Emerick Szilagyi; Charles C. Guthrie, John R. Pfeifer, MVSS Disparities Research)*

11:15 – 11:30 AM **INTRODUCTION OF THE PRESIDENT**
Patrick Muck, MD President-elect

11:30 – 12:15 AM **PRESIDENTIAL ADDRESS**
Bernadette Aulivola, MD

12:15 – 1:35 PM **MVSS BUSINESS MEETING**

1:45 – 2:40 PM	SCIENTIFIC SESSION 5 (Case Presentations) Moderators:
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1:45	30. A Novel Approach To Aortic Endarterectomy With Ultrasonic Aspiration <i>Joshua Burk, MD, Benjamin Colvard, MD, Jane Chung, MD, Jae S. Cho, MD.</i> <i>University Hospitals/Case Western Reserve University, Cleveland, OH</i>
1:50	31. Endovascular Strategies In Diagnosis And Initial Treatment Of Vascular Quadrilateral Space Syndrome <i>Elise Patricia DeRoo, MD, Courtney Morgan, MD.</i> <i>University of Wisconsin Hospitals and Clinics, Madison, WI</i>
1:55	32. Aberrant Right Renal Artery Perfusion From Right Internal Mammary Artery: An Unreported Variation <i>Avkash Patel, MD¹ Woosup Park, MD, Heather Gornik, MD, Jae Cho, MD.</i> <i>University Hospitals/Case Western Reserve University, Cleveland, OH</i>
2:00	33. Rescue Of A Misplaced Iliac Stent Using A Stiff Wire Loop Technique In A Patient With Phlegmasia <i>Paulina Villanueva, MD, Jing Han, MD, Kyongjune Benjamin Lee, MD, Bryan W. Tillman, MD.</i> <i>OSUMC Wexner Medical Center, Columbus, OH</i>
2:05	34. Eagle's Syndrome Complicates A Carotid <i>Louis Nelson, DO, Loren Masterson, MD, Mark Delacure, MD.</i> <i>Cleveland Clinic Akron General, Akron, OH</i>
2:10	35. Postpartum Problem: Open Repair Of A Dissecting AAA Shortly After Giving Birth <i>Daniel Gage, MD¹, Kristine Orion, MD².</i> <i>¹General Surgery, The Ohio State University, Columbus, OH, ²The Ohio State University, Columbus, OH</i>
2:15	36. 55-year Old Female With Enlarging Pseudoaneurysm Of Previous Aortic Coarctation Repair And Previous Ruptured Pseudoaneurysm <i>Abdul Kader Natour, MD, Jesse Chait, DO, Alberto Pochettino, MD, Bernardo Mendes, MD, Jill Colglazier, MD.</i> <i>Mayo Clinic, Rochester, MN</i>
2:20	37. Infrarenal Aorta To Superior Mesenteric Artery Bypass For Nutcracker Syndrome In The Setting Of Duplicate Inferior Vena Cava <i>Eun Kyu Dong, MD¹, Michelle W. Kahng², William Omlie, MD¹.</i> <i>¹University of Minnesota, Division of Vascular Surgery, Minneapolis, MN, ²University of Minnesota, Medical School, Minneapolis, MN</i>

- 2:25 **38.**
Hybrid Approach For Repair Of Traumatic Pseudoaneurysm Of The Innominate Artery In A Pediatric Patient
Megan E. Parrott, MD, Adeola Titilayo Odugbesi, MD, Maen Aboul Hosn, MD.
Vascular Surgery, University of Iowa Hospitals and Clinic, Iowa City, IA
- 2:30 **39.**
Superficial Temporal Artery Pseudoaneurysm After Blunt Traumatic Injury
Kartikeya Sharma, MD¹, Rachael C. Sullivan, MD², Muhammad S. Khan, MD².
¹General Surgery, Bon Secours Mercy St. Vincent's Hospital, Toledo, OH, ²Bon Secours Mercy St. Vincent's Hospital, Toledo, OH
- 2:35 **40.**
Rare Case Of Left Ovarian Vein Transposition In Patient With Ehlers Danlos Syndrome
Ashtin B. Wilhelmstoetter, MD.
Rush University Medical Center, Chicago, IL

2:40 – 3:15 PM COFFEE BREAK (Visit Exhibits)

2:45 – 5:15 PM MEDICAL STUDENT PROGRAM

3:15 – 4:15 PM	NEW HORIZONS IN VASCULAR SURGERY SESSION 2: ADVOCACY Moderators:
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3:15pm *How Do We Define Advocacy for MVSS/SVS Vascular Surgeons and Their Patients*
Ashley Vavra, MD – Northwestern University

3:30pm *Why Do We Need Advocacy in the MVSS and SVS?*
Clayton Brinster, MD – University of Chicago Medicine

3:40pm *Benefits of Advocacy for the Community and Hospital Acquired Vascular Surgeon*
TBD

3:50pm *How Does One Become Engaged with MVSS/SVS Advocacy?*
Mounir Haurani, MD – The Ohio State University Medical Center

4:05pm *Panel Discussion*

4:15 – 5:00 PM INDUSTRY SPONSORED SYMPOSIUM

5:15 – 6:15 PM POSTER SESSION COMPETITION / RECEPTION

SATURDAY, SEPTEMBER 14, 2024

7:30 AM – 12:00 PM Registration Hours

8:00 – 9:30 AM	NEW HORIZONS IN VASCULAR SURGERY SESSION 3: AORTA Moderators:
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8:00am *Presidents Invited Guest Speaker – Dawn Coleman, MD*

8:15am *Setting Up an Aortic Program with a Multidisciplinary Approach to Thoracic Aortic Care*
Andy Hoel, MD - Northwestern University

8:25am *Controversies in PAU/IMH Management*
Andres Fajardo, MD - Indiana University

- 8:35am** **DEBATE: Selective Lumbar Drains for TEVAR**
Westley Ohman, MD - Washington University
- 8:45am** **DEBATE: Prophylactic Lumbar Drains for TEVAR**
Nolan Cirillo-Penn, MD - University of Minnesota
- 8:55am** **DEBATE: Traditional EVAR with Adjuncts can Successfully be Used to Treat Juxtarenal AAA's with Hostile Aortic Necks.** Adam Reichard, MD - Trihealth
- 9:05am** **DEBATE: Only Primary Proximal Extension with PMEG Should be Used to Treat Juxtarenal AAA's with a Hostile Neck.** George Pontikis, MD - Duly Health
- 9:15am** **Presidents Invited Guest Speaker – Misty Humphries, MD**

9:30 – 9:40am **POSTER SESSION WINNER PRESENTATION**

9:45 – 10:30 AM **HONORARY GUEST LECTURE**
Dan Clair, MD
Professor & Chair, Department of Vascular Surgery
Vanderbilt University Medical Center
Nashville, TN

10:30 – 10:45 **COFFEE BREAK**

10:45 - 11:50 PM	SCIENTIFIC SESSION 6 (Rapid Fire) Moderators:
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- 10:45** **41.**
Open Versus Endovascular Repair Of Traumatic Subclavian Arterial Injuries
Sophia Trinh, MD¹, Amanda Tulos², Claudia Leonardi³, Malachi Sheahan, MD³.
¹Department of Surgery, LSUHSC, New Orleans, LA, ²Geisinger Health System, Danville, PA, ³LSUHSC, New Orleans, LA
- 10:50** **42.**
Total Endovascular Repair In Arch TEVAR Is Plagued By High Stroke Rates
Hassan Chamseddine, MD, Alexander Shepard, MD, Timothy Nypaver, MD, Mitchell Weaver, MD, Andi Peshkepija, MD, Loay Kabbani, MD.
Henry Ford Hospital, Detroit, MI
- 10:55** **43.**
Outcomes From Two Decades Of Abdominal Aortic Endograft Explants: Risks That Persist Beyond The Perioperative Period
Andrew P. Huang, MD¹, Craig Brown, MD¹, Shipra Arya, MD², Katherine Gallagher, MD¹, Jonathan L. Eliason, MD¹.
¹University of Michigan, Ann Arbor, MI, ²Stanford University, Palo Alto, CA
- 11:00** **44.**
Preliminary Report Demonstrating Feasibility Of Utilizing Ai For Imaging And Biomechanical Study Of Aortic Aneurysms
Indrani Sen¹, Tiziano Tallarita¹, Katherine Kerr², Pete Gueldner², Joseph Wildenberg¹, Nathan Liang², David Vorp², Timothy Chung².
¹Mayo Clinic Health Systems, Eau Claire, WI, ²University of Pittsburgh, Pittsburgh, PA
- 11:05** **45.**
A Comparative Study Of The Compliance Of A Human Aortoiliac Graft, A Commercial Graft, And A 3-d Printed Graft In A Mock Circulation Loop

† Szilagyi Award, § Guthrie Award, ◇ Pfeifer Award

Weichen Hong¹, Huidan Yu, PhD¹, Jun Chen, PhD², Alan P. Sawchuk, MD³.

¹Indiana University Purdue University Indianapolis, Indianapolis, IN, ²Purdue University, West Lafayette, IN, ³Indiana University School of Medicine, Indianapolis, IN

- 11:10 **46.**
Disparities Among Homeless Patients Undergoing Open Lower Extremity Bypass Procedures
Yijin Huang¹, Chase Schlesselman¹, Iris Zachary, PhD¹, Maraya Camazine, MD², Jonathan Bath, MD¹, Todd R. Vogel, MD¹.
¹University of Missouri Hospitals & Clinics, Columbia, MO, ²University of Arkansas, Little Rock, AR
- 11:15 **47.**
The Role Of Open Abdominal Aortic Aneurysm Repair In The Era Of Fenestrated Endovascular Repair
Melissa Day, MD¹, Ryan Charles Ellis, MD², William Bennett, MD², Ali Khalifeh, MD², Ravi Ambani, MD², David Laczynski, MD², Sean Lyden, MD², Francis Caputo, MD².
¹Trinity Health IHA, Ann Arbor, MI, ²Cleveland Clinic Foundation, Cleveland, OH
- 11:20 **48.**
Social Determinants Of Health And Hospital Volume Do Not Impact Outcomes In Fenestrated Endovascular Aortic Repair
Ruojia Debbie Li, MD¹, Rylie O'Meara², Priya Rao², Ian Kang², Michael Soult, MD¹, Carlos F. Bechara, MD¹, Matthew Blecha, MD¹.
¹Surgery, Loyola University Medical Center, Chicago, IL, ²Loyola Univeristy Stritch School of Medicine, Maywood, IL
- 11:25 **49.**
Evaluation Of The Dynamics Of Bone Oxygenation During Stress Testing - A Novel Perspective On Approaching Diabetes And Peripheral Artery Disease
Yuqian Tian, MD¹, Ali H. Hakim, MD¹, Cody Anderson¹, Prateek Sharma, MD¹, Al-Murtadha Al-Gahmi, MD¹, Julian S. Kim, PhD¹, Adina Draghici, PhD², Pooneh Bagher, PhD¹, Mark A. Carlson, MD¹, Iraklis I. Pipinos, MD¹.
¹University of Nebraska Medical Center, Omaha, NE, ²Harvard Medical School, Boston, MA
- 11:30 **50.**
Trends In Medicare Spending On P2Y12 Inhibitors And Direct Oral Anticoagulants From 2018 To 2021
Aryaan Khan¹, Michael Hudson, DO².
¹University of Medicine and Health Sciences, Saint Kitts and Nevis, ²DMC Sinai-Grace Hospital, Detroit, MI
- 11:35 **51.**
Staged Venography Following Thoracic Outlet Decompression Is Effective For Venous Thoracic Outlet Syndrome
David Jiang, MD¹, Tanvi Subramanian, MD¹, Cheong J. Lee, MD², Jaehoon Lee, MD³.
¹University of Chicago Medicine, Chicago, IL, ²Endeavor Health, Evanston, IL, ³Daegu Catholic University School of Medicine, Daegu, Republic of Korea
- 11:40 **52.**
Single Center Experience With Access-related Complications In Patients Undergoing Transcatheter Aortic Valve Replacement
Mohamad Chahrour, MD, Maen Aboul Hosn, MD, Rachael Nicholson, MD, Adeola Odugbesi, MD, Arun Singhal, MD, Nathalie Weger, DO, Crystal Rodriguez.
University of Iowa Hospital and Clinics, Iowa City, IA
- 11:45 **53.**
Extracorporeal Membrane Oxygenation Use In Open Thoracoabdominal Aortic Aneurysm Repair
Carl T. Schoepfoerster¹, James E. Mace, MD², Mitchell R. Dyer, MD¹, Peter J. Rossi, MD¹.
¹Division of Vascular and Endovascular Surgery, Medical College of Wisconsin, Milwaukee, WI, ²Division of Cardiothoracic Surgery, Medical College of Wisconsin, Milwaukee, WI

11:50 PM

ADJOURN