



## **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) Recognize the importance of quality improvement and physician engagement in improving clinical outcomes.
- 2) Identify the factors that lead the need for lower extremity amputation.
- 3) Describe the anatomic factors that are associated with optimal outcomes of endovascular aortic interventions.
- 4) Identify the value of telemedicine in promoting patient communication.
- 5) Explain the significant of incidental findings on cross sectional imaging.

## **ACCREDITATION STATEMENT**

### **Accreditation Statement**



JOINTLY ACCREDITED PROVIDER  
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, this activity has been planned and implemented by Indiana University School of Medicine and the Midwestern Vascular Surgical Society. Indiana University School of Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

### **Physicians**

Indiana University School of Medicine designates this live activity for a maximum of **6.5 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Indiana University School of Medicine (IUSM) policy ensures that those who have influenced the content of a CE activity (e.g. planners, faculty, authors, reviewers and others) disclose all relevant financial relationships with commercial entities so that IUSM may identify and resolve any conflicts of interest prior to the activity. All educational programs sponsored by Indiana University School of Medicine must demonstrate balance, independence, objectivity, and scientific rigor. *\*Indiana University School of Medicine (IUSM) defines a **commercial interest** as any entity producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients.*

### **MOC-SELF ASSESSMENT**

The Midwestern Vascular Surgical Society is pleased to offer Self-Assessment Credit that meets the ABS requirements for MOC Part 2. The number of qualifying credit will be confirmed soon.

## **PRELIMINARY SCHEDULE**

*(All times are in Central Standard Time)*

### **Wednesday, September 9**

Session 1A – 4:00 PM

Session 1B – 5:15 PM

### **Thursday, September 10**

Session 2B – 4:00 PM

Session 2B – 5:00 PM

### **Friday, September 11**

Virtual Poster Competition Session – 5:00 PM

### **Saturday, September 12**

Session 3A – 9:00 AM

Session 3B – 10:00 AM

MVSS Member Business Meeting - 11:30 AM

*(Open to Members of the Society)*



◇5. **Suction Thrombectomy of Large Volume Ilio-Caval DVT In Patients  
Contraindicated for Chemical Thrombolysis**

**Gerald Richard Fortuna**<sup>1</sup>, Sami Abdulnabi<sup>2</sup>, Mohammad Helwani<sup>2</sup>, Luis Sanchez<sup>3</sup>,  
Mohamed Zayed<sup>3</sup>

**From:** Section of Vascular Surgery, Department of Surgery, St Louis, MO,  
<sup>2</sup>Washington University School of Medicine, Department of Anesthesiology, St Louis,  
MO, <sup>3</sup>Washington University School of Medicine, Section of Vascular Surgery,  
Department of Surgery, St Louis, MO

§ 6. **Computational Analysis of Endoanchor Effectiveness in Dilating AAA Neck**

**Erin Abbott**, Nhung Nguyen, Ross Milner, Luka Pocivavsek, M,  
**From:** Department of Surgery, U Chicago Medicine, Chicago, IL

†7. **Clinical Outcomes Differ After Femoropopliteal Artery Treatment Between  
Individual Paclitaxel (PTX)-Coated Balloons**

**Alexander H. King**, Ravi N. Ambani, Saideep Bose, Jason Turner, Vikram S.  
Kashyap, Jones Thomas, Jae Cho, Kareem C. Harth, Benjamin Colvard, Norman H.  
Kumins

**From:** Vascular Surgery and Endovascular Therapy, UH Cleveland Medical Center,  
Cleveland, OH

**10 MINUTE BREAK**

**5:15 PM**

**SESSION 1B**

**MODERATORS: Patrick E. Muck and Gregory Kasper**

§8. **Jmjd3 Influences Macrophage-mediated Inflammation in abdominal Aortic  
Aneurysms**

**Frank M. Davis**, Liam Tsoi, Aaron Dendekker Amrita Joshi, Christopher Audu, William  
J. Melvin, Steve Kunkel, Jonathan Eliason, Johann Gudjonsson, Katherine Gallagher  
**From:** Vascular Surgery, University of Michigan, Ann Arbor, MI

†9. **Effect of Stent-graft Active Fixation and Oversizing on Aortic Neck Degeneration  
After Endovascular Aneurysm Exclusion for Infrarenal Aortic Aneurysm**

**Lillian Malach**, Nader Tehrani, Shipla Kolachina<sup>1</sup> Karolina Krawczyk, Amy Wozniak,  
Michael Sault, Bernadette Aulivola, Carlos Fares Bechara

**From:** Loyola University Health System, Stritch School of Medicine, Maywood, IL

†10. **Long-term Survival After Thoracoabdominal Aneurysm Repair**

**Mitri Khaled Khoury**, Charles Wynn Acher, Martha M. Wynn, Charles W. Acher  
**From:** Vascular Surgery, University of Wisconsin, Madison, WI.

†11. **Utility of Single Branched Thoracic Endograft in Patients Requiring Zone 2 Seal During Thoracic Endovascular Aortic Repair (TEVAR)**

**Ravi N. Ambani**, Saideep Bose, Alexander H. King, Vikram S. Kashyap, Jae Cho, Karem Harth, Wong Virginia, Benjamin Colvard, Norman H. Kumins  
**From:** Vascular Surgery and Endovascular Therapy, UH Cleveland Medical Center, Cleveland, OH

§ 12. **Prediction of Walking Performance After Revascularization of Arteries Supplying the Lower Extremities of Claudicating Patients with Peripheral Artery Disease**

**Shuai Li**<sup>1</sup>, Jonathan Thompson<sup>1</sup>, Sara Myers<sup>2</sup>, Julian Kim<sup>1</sup>, Mark Williams<sup>3</sup>, Gleb Haynatzki<sup>1</sup>, Molly Schieber<sup>1</sup>, Gregory Willcockson<sup>1</sup>, Iraklis I. Pipinos<sup>1</sup>, George P. Casale<sup>1</sup>

**From:** <sup>1</sup>University of Nebraska Medical Center, Omaha, NE, <sup>2</sup>University of Nebraska Omaha, Omaha, NE, <sup>3</sup>Creighton University School of Medicine, Omaha, NE

†13. **Morbid Obesity and Dialysis Access (MODA)**

**Benjamin G. Crisp**<sup>1</sup>, Jimmy B. Ibrahim<sup>1</sup>, Heather A. Jagoda<sup>1</sup>, Ester S. Deschenes<sup>2</sup>, Joseph N. Gabra<sup>2</sup>, Loren L. Masterson<sup>3</sup>, Jill N. Zink<sup>3</sup>

**From:** <sup>1</sup>Cleveland Clinic - Akron General, Department of General Surgery, Akron, OH, <sup>2</sup>Cleveland Clinic - Akron General, Department of Research, Akron, OH, <sup>3</sup>Cleveland Clinic - Akron General, Department of Vascular Surgery, Akron, OH

†14. **Long Term Survival Outcomes Following Endovascular and Open Repair of Ruptured Aortic Aneurysms: An Institutional 10-year Experience**

**Ayokunle S. Olowofela**, Neel A. Mansukhani, Robert A. Hieb, Abby Rothstein, Michael J. Malinowski, Brian D. Lewis, Kellie R. Brown, Peter J. Rossi

**From:** Medical College of Wisconsin, Milwaukee, WI

†15. **Peri-procedural Hemoglobin Levels Affect Amputation Rates in Patients Undergoing Interventions for Critical Limb Ischemia**

**Christopher William McQuinn**<sup>1</sup>, Robert Tamer<sup>2</sup>, Allison Mohr<sup>2</sup>, Kara Hessel<sup>2</sup>, S. Elissa Altin<sup>3</sup>, Timur Sarac<sup>2</sup>, Kristine Orion, MD<sup>2</sup>

**From:** Surgery, The Ohio State University, Columbus, OH, <sup>2</sup>The Ohio State University, Columbus, OH, <sup>3</sup>Yale University, New Haven, CT

**THURSDAY, SEPTEMBER 10, 2020**

**4:00 PM**

**WELCOME/INTRODUCTORY REMARKS**

Raghu Motaganahalli, President-Elect

**SESSION 2A**

**MODERATORS: Peter J. Rossi and Robert F. Cuff**

**16. Outcomes Using Uncovered Stents (UCS) And Covered Stents (CS) Are Similar for Management of Chronic Mesenteric Ischemia: A Single Center Retrospective Experience**

**Kush Sharma**, M Ashraf Mansour

**From:** Spectrum Health/Michigan State University College of Human Medicine, Grand Rapids, MI

**17. (CASE REPORT) Trans-carotid Endovascular Exclusion of An Ascending to Descending Aortic Bypass Pseudoaneurysm**

**Katherine Holzem**, Gayan De Silva, Connor Callahan, Westley Ohman

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

**18. Contemporary Management of Aberrant Right Subclavian Artery**

**Siwei Dong**, Abdul Q. Alarhayem, Jarrad Rowse, Francis J. Caputo, David Hardy, Sean P. Lyden, Behzad S. Farivar

**From:** Vascular Surgery, Cleveland Clinic, Cleveland, OH

**19. (CASE REPORT) Giant Cell Aortitis Masquerading as Intramural Hematoma**

**Melanie McCormick**, Jing Li, Luke Monteagudo, Parastoo Fazeli, Amy B. Reed, Rawson J. Valentine, Surgery

**From:** University of Minnesota, Minneapolis, MI

**20. Aortic Endograft Sizing and Endoleak, Reintervention and Mortality Following EVAR**

**Matthew R. Smeds**<sup>1</sup>, Matthew Bokamper<sup>2</sup>, Kristofer Charlton-Ouw<sup>3</sup>

**From:** <sup>1</sup>Department of Surgery, Division of Vascular and Endovascular Surgery, Saint Louis University, Saint Louis, MO, <sup>2</sup>Saint Louis University, Saint Louis, MO, <sup>3</sup>University of Texas Health Science Center at Houston, TX

21. **(CASE REPORT) Preloaded Contralateral Gate Techniques During EVAR For Aneurysms and Occlusive Disease**

**Aleem Khalid Hussain Mirza**<sup>1</sup>, Jesse Manunga<sup>2</sup>, Clark Schumacher<sup>3</sup>, Monica Stassi-Fritz<sup>2</sup>, Nedaa Skeik<sup>2</sup>

**From:** <sup>1</sup>Vascular and Endovascular Surgery, Minneapolis Heart Institute, Minneapolis, MN, <sup>2</sup>Minneapolis Heart Institute, Minneapolis, MN, <sup>3</sup>Abbott Northwestern Hospital, Minneapolis, MN

**10 MINUTE BREAK**

**5:00 PM**

**SESSION 2B**

**MODERATORS: Peter J. Rossi and Robert F. Cuff**

22. **Racial Disparities in Major Amputation Rates are Associated with more Advanced WIFI Score at Initial Presentation amongst Blacks**

**Melissa D'Andrea**, Sofia Rojasova, Kaavya Adam, John-Luke Rivera, Tiffany Ku, Neal Sethi, Janice Nam, Bernadette Aulivola

**From:** Loyola University Medical Center, Maywood, IL

23. **(CASE REPORT) The Use of Absorbable Antibiotic Beads for Synthetic Graft Salvage**

**Visharad Patel**, Mark Mattos

**From:** Vascular Surgery Fellow, Michigan State University- McLaren, Flint, Flint, MI

24. **Machine Learning Driven Quality Improvement Protocol to Reduce Length of Stay Following Elective EVAR Using the Vascular Quality Initiative Database**

**Neel A. Mansukhani**, Ayokunle S. Olowofela, Robert A. Hieb, Michael J. Malinowski, Rodney Sparapani, Brian D. Lewis, Joseph P. Hart, Peter J. Rossi

**From:** Medical College of Wisconsin, Milwaukee, WI

25. **(CASE REPORT) Mycotic Aneurysm Following Metallic Foreign Body Ingestion**

**Ali Rteil**, Scott Bendix, Chinmayee Potti, Themistokles Chamogeorgakis, Brian Lace, Ann Woodward, Loay Kabbani

**From:** Henry Ford Health System, Detroit, MI

26. **Optimal Timing of Surveillance Ultrasounds in Small Aortic Aneurysms**

**Jarrad Rowse**, Daniel Harris, David Hardy, Lee Kirksey, Christopher Smolock, Sean Lyden, Francis Caputo

**From:** Cleveland Clinic, Cleveland, OH

**27. (CASE REPORT) Non-operative Management of Thrombosed Infantile Axillary Artery Aneurysm**

**Santiago Rolon**<sup>1</sup>, Rory Loo<sup>2</sup>, Dawn Coleman<sup>3</sup>, Max Wohlauer<sup>4</sup>

**From:** <sup>1</sup>Vascular Surgery, Medical College of Wisconsin, Wauwatosa, WI, <sup>2</sup>Medical College of Wisconsin, Wauwatosa, WI, <sup>3</sup>University of Michigan, Section of General Surgery, Department of Surgery, Ann Arbor, MI, <sup>4</sup>Division of Vascular Surgery, Department of Surgery, University of Colorado School of Medicine, Aurora, CO

**28. The Impact of Pre-existing Blood Pressure Control in Patients with Acute Aortic Dissections**

**Amy B. Reed**, R James Valentine, Rumi Faizer

**From:** University of Minnesota, Minneapolis, MN

**29. (CASE REPORT) Transgluteal Coil Embolization of Internal Iliac Artery Aneurysm**

**Shoaib Shafique**, Jeffery Cooke, Kate Dell, Vincent Flanders

**From:** Ascension St Vincent Hospital, Indianapolis, IN

**SATURDAY, SEPTEMBER 12, 2020**

**9:00 AM**

**WELCOME/INTRODUCTORY REMARKS**

Jeffrey Jim, MD

**SESSION 3A**

**MODERATORS: John E. Rectenwald and Michael Go**

**30. Televascular Consultation Is the Answer to Rural Vascular Surgery Shortage**

**Jing Li**,<sup>3</sup>Amy B. Reed<sup>1</sup>, Derrick Green,<sup>2</sup> Steve Santilli,<sup>2</sup> Dan Ihnat,<sup>2</sup> Paul Orrechia,<sup>2</sup> R J. Valentine<sup>3</sup>.

**From:** <sup>1</sup>Surgery, University of Minnesota, Minneapolis, MN, <sup>2</sup>Minneapolis VAMC, Minneapolis, MN, <sup>3</sup>University of Minnesota, Minneapolis, MN

**31. Contemporary Outcomes Following Multiple Chimney Endografts For Hostile Neck Complex Aneurysm Repair**

**Jonathan Bath**<sup>1</sup>, Stefano Fazzini<sup>2</sup>, Todd R. Vogel<sup>3</sup>, Martin Austermann<sup>4</sup>, Konstantinos P. Donas<sup>5</sup>, Giovanni Torsello<sup>4</sup>.

**From:** <sup>1</sup>Vascular Surgery, University of Missouri, Columbia, MO, <sup>2</sup>Sapienza University of Rome, Rome, Italy, <sup>3</sup>University of Missouri, Columbia, MO, <sup>4</sup>St. Franziskus Hospital, Munster, Germany, <sup>5</sup>Asklepios Clinic Langen, Goethe-University of Frankfurt, Langen, Germany



**32. Impact of Adjunctive Peripheral and Visceral Artery Interventions During Tevar for Complicated Type B Aortic Dissection**

**Matthew Chia**, Rhami Khorfan, Mark K. Eskandari

**From:** Division of Vascular Surgery, Northwestern University Feinberg School of Medicine, Chicago, IL

**33. Computational Methods to Automate the Initial Interpretation of Lower Extremity Arterial Doppler And Duplex Carotid Ultrasound**

**Alan P. Sawchuk**<sup>3</sup>, Xiao Luo<sup>1</sup>, Lena Ara<sup>1</sup>, Haoran Ding<sup>1</sup>, Dave Rollins<sup>2</sup>, Raghu Motaganahalli<sup>3</sup>,

**From:** <sup>1</sup>Indiana University Purdue University Indianapolis, Indianapolis, IN, <sup>2</sup>Indiana University Health, Indianapolis, IN, <sup>3</sup>Indiana University School of Medicine, Indianapolis, IN

**34. ANNOUNCEMENT OF POSTER COMPETITION WINNER/PRESENTATION  
ANNOUNCED BY: Raghu Motaganahalli, President-Elect**

**PRESENTATION OF RESEARCH AWARDS  
Kellie R. Brown, President**

**10 MINUTE BREAK**

**10:00 AM**

**SESSION 3B**

**RAPID REPORTS**

**MODERATORS: John E. Rectenwald and Michael Go**

**34. Fast and Non-invasive Evaluation Of *In Vivo* Pressure in Stenosed Aortoiliac Arteries**

**Alan P. Sawchuk**<sup>3</sup>, Huidan Yu<sup>1</sup>, Chenbin Rong<sup>1</sup>, Xin Jin<sup>1</sup>, Yousheng Xu<sup>2</sup>, Michael Murphy<sup>3</sup>, Raghu Motaganahalli<sup>3</sup>,

**From:** <sup>1</sup>Indiana University Purdue University Indianapolis, Indianapolis, IN, <sup>2</sup>Zhejiang University, Hangzhou, China, <sup>3</sup>Indiana University School of Medicine, Indianapolis, IN

**35. Frailty Remains Highly Correlated with Mortality After EVAR in Octogenarians**

**Lily E. Johnston**, Mario D'Oria, Jill J. Colglazier, Bernardo C. Mendes, Fahad Shuja, Thomas C. Bower, Gustavo S. Oderich, Randall R. DeMartino

**From:** Mayo Clinic, Rochester, MN

36. **Outcomes of Catheter-directed Thrombolysis of Autogenous Vein Bypass Vs. Prosthetic Bypass for Acute Leg Ischemia**
- Shuchi Zinzuwadia**, Michael Wesolowski, Michael Sault, Pegge Halandras, Paul Crisostomo, Bernadette Aulivola, Carlos Fares Bechara  
*From:* Vascular Surgery, Loyola University, Stritch School of Medicine, Maywood, IL
37. **The Clinical Impact of Incidental Findings in Neck CT Angiograms**
- Gabrielle N. Scariano**, Ann H. Kim, Alexander H. King, Jason T. Turner, Jae S. Cho, Norman H. Kumins, Kareem C. Harth, Vikram S. Kashyap  
*From:* University Hospitals Cleveland Medical Center, Cleveland, OH
38. **Feasibility of Bent Knee Prosthesis for Early Ambulation After Below Knee Amputation**
- Troy D. Decker**, Jason Q. Alexander, Senthil N. Jayarajan, Joseph Karam, Jesse M. Manunga, Aleem K. Mirza, Nedaa Skeik, Timothy M. Sullivan, Xiaoyi Teng, Jessica M. Titus  
*From:* Vascular Surgery, Minneapolis Heart Institute/Abbott Northwestern, Minneapolis, MN
39. **Neurogenic Thoracic Outlet Syndrome: The Case for A Multidisciplinary Approach**
- Sarah Burger**, Maen Aboul Hosn  
*From:* Vascular Surgery University of Iowa Hospital and Clinics, Iowa City, IA
40. **Claudication Distances, the Walking Impairment Questionnaire, and Muscle Heme-Oxygen Saturation Best Describe the Home Daily Activity of Claudicating Patients with Peripheral Artery Disease**
- Molly N. Schieber**, Matthew Fuglestad, Hernan Hernandez, Adam Stein, Yue Gao, Katyarina Brunette, Holly DeSpiegelaere, Sara A. Myers, George Casale, Iraklis I. Pipinos, Surgery  
*From:* University of Nebraska Medical Center, Omaha, NE
41. **Anatomic Feasibility of Off-the-shelf Thoracic Single Side-branched Endograft In Patients with Blunt Traumatic Thoracic Aortic Injury**
- William J. Yoon**, Victor M. Rodriguez, Matthew Mell  
*From:* Vascular Surgery, University of California Davis Medical Center, Sacramento, CA

**42. Benchmarking A Center of Excellence in Vascular Surgery: Using Apache II to Validate Outcomes in A Tertiary Care Institute**

**David J. Laczynski**<sup>1</sup>, Joshua Gallop<sup>2</sup>, Sean P. Lyden<sup>1</sup>, Jarrad Rowse<sup>1</sup>, Christopher J. Smolock<sup>1</sup>, Levester Kirksey<sup>1</sup>, David Hardy<sup>1</sup>, Francis J. Caputo<sup>1</sup>

**From:** <sup>1</sup>Cleveland Clinic Foundation, Cleveland, OH, <sup>2</sup>Cleveland, Clinic Lerner College of Medicine, Cleveland, OH

**43. 1 Year Carotid Duplex Results Following Trans Carotid Artery Revascularization Correlated with Retrospective Blinded Preoperative CTA Calcium Severity**

**Brent Robertson**, Brian Kuhn, Patrick Muck, Matthew Recht, Aaron Kulwicki, Mark Broering, Evan Neville, Graham Rucker, Michael Wolujewicz

**From:** Vascular Surgery, Trihealth -Good Samaritan Hospital, Cincinnati, Ohio

**44. Contemporary Outcomes of Anterior Spine Exposure: The Influence of Prior Abdominal or Spine Surgery and Exposure Level and Extent**

**Ehsan Benrashid**, John W. Ohman, Luis A. Sanchez, Jeffrey Jim

**From:** Vascular Surgery, Washington University St Louis/Barnes-Jewish Hospital, St Louis, MO

**45. Outcomes Following Endovascular Reintervention for Aortic Interventions**

**Amit Kainth**, Adam Ring, Michael Williams, Matthew Smeds

**From:** Saint Louis University, St. Louis, MO

**10 MINUTE BREAK**

**11:30 AM**

**MVSS MEMBER BUSINESS MEETING**