

VASCULAR AND ENDOVASCULAR SURGERY SOCIETY

FORMERLY THE PERIPHERAL VASCULAR SURGERY SOCIETY (PVSS)

46th Annual Meeting

JANUARY 27-29, 2022

MARRIOTT VIEWLINE RESORT • SNOWMASS, CO

2022 MEETING BROCHURE



VESS

Vascular & Endovascular
Surgery Society

Formerly PVSS, founded 1976

ANNUAL MEETING

The Annual Meeting of the Vascular and Endovascular Surgery Society (VESS) brings together internationally recognized, fellowship-trained vascular surgeons. The VESS remains the only national vascular organization devoted to young vascular surgeons and trainees.

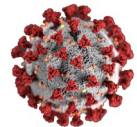
The VESS provides the premiere forum to promote the field of vascular and endovascular surgery through education, advocacy and leadership. The objective of this comprehensive Annual Meeting is to provide those attending with the knowledge of current thinking in effective clinical management of vascular disorders and insight into the future directions from critical analysis of investigative findings. The program consists of standard papers, rapid fire papers and case reports to review challenging clinical issues.

DATES & LOCATION

The 46th Annual Meeting of the Vascular and Endovascular Surgery Society will be held **January 27-29, 2022** at the **Marriott Viewline Snowmass Resort** in Snowmass, CO. The resort is in the heart of Snowmass Village, near the town of Aspen and Aspen/Pitkin Airport (ASE) and 4 hours from Denver International Airport (DIA).

COVID-19 MANDATES

We understand that a degree of uncertainty exists around traveling and attending in-person events because of COVID-19. We are closely monitoring the situation and working with the Marriott Viewline Snowmass Resort to ensure the safety of everyone attending. **At this time, proof of vaccine is required to attend all VESS sessions and functions.**



RELEASE OF LIABILITY: By attending the VESS Annual Meeting in-person, you are aware of the possibility of being exposed to/and or contracting COVID-19 and agree to accept this risk and fully release VESS from any claims, injuries or expenses resulting from attendance.

TARGET AUDIENCE

The Society uniquely serves the young, fellowship-trained vascular surgeon. The Annual Meeting attracts vascular surgeons, fellows, residents, medical students and allied health professionals from across the country and abroad.

LEARNING OBJECTIVES

This activity is designed for vascular surgeons and health care workers involved in the management of patients with vascular disease. Upon completion of this course, attendees should be able to:

- Understand outcomes of the use of "large diameter" aortic endografts
- Evaluate the utility of surgical deep vein arterialization in treating critical limb threatening ischemia
- Understand the effect of market competition on treatment of asymptomatic carotid disease
- Review the efficacy of a retrograde approach for treating mesenteric ischemia
- Assess the effect of concomitant and isolated venous injury in military lower extremity trauma
- Quantify the role gender plays in outcomes following complex endovascular aortic repair
- Analyze the types of adverse events associated with the Vici and Venovo venous stents
- Understand the effect of paclitaxel-coated devices on amputation and mortality rates following use in patients with peripheral vascular disease
- Review the utility of drug-coated stents in treating renal artery stenosis in transplanted kidneys
- Review the effect of gun violence with vascular injury in a pediatric population

CME CREDITS

CME credit will be provided for this educational activity. The final number will be posted on the VESS website (www.vesurgery.org) once approved.



REGISTRATION

2022 ANNUAL MEETING

Registration is currently open for the 2022 Annual Meeting. The deadline for early bird registration is Friday, December 17, 2021. **All registrations must be completed by Friday, January 14, 2022** when registration for the Annual Meeting closes.

REGISTRATION FEES

CATEGORY	EARLY BIRD DEADLINE: 12/17/21	REGISTRATION 12/18/21 - 1/14/22
VESS Member (Active or Senior)	\$325	\$375
Guest Physician (Non-Member)	\$425	\$475
Allied Health Professional	\$225	\$275
VESS Candidate Member	\$175	\$225
Fellow/Resident (Non-Member)	\$175	\$225
Medical Student*	\$150	\$150

*Letter of verification from institution required. Letter must be emailed to vess@administrare.com

PRESIDENT'S DINNER TICKET

CATEGORY	ADULT TICKET	CHILDREN'S TICKET (AGES 12-18)
General	\$75	\$35

CANCELLATION POLICY

If written notice of cancellation is received by Friday, January 14, 2022, any registration fees paid, less a \$50 administrative fee, will be refunded after the meeting. No refunds will be issued after this date.



HOTEL INFORMATION

NOTE: The VESS is aware of the limited amount of hotel rooms available at the Marriott Viewline Snowmass Resort and Wildwood Snowmass. Both hotels have been closed for renovations, making it difficult to speak with the necessary representatives. We are actively trying to get additional rooms added to our blocks. If you are unable to book a room at either of these hotels, please send us an email and we will provide alternative hotel options.

MARRIOTT VIEWLINE SNOWMASS RESORT

The VESS has secured group discounted room rates at the Marriott Viewline Snowmass Resort.

KING	QUEEN
\$359. ⁰⁰	\$379. ⁰⁰

To book your reservation and guarantee the group rate contact the Marriott Viewline Snowmass Resort at 800-525-9402. After this deadline, or if the VESS block of rooms sells out prior to the above mentioned deadline, availability and rates cannot be guaranteed. Please mention the VESS 2021 Annual Meeting to ensure the discounted rate.

We strongly recommend making your reservations as early as possible. We anticipate selling out of our discounted rooms early.

MARRIOTT VIEWLINE SNOWMASS RESORT CANCELLATION POLICY: A deposit equal to the full value of the reservation (room rate + resort fee + tax) will be charged 30 days prior to arrival. There is no cancellation penalty if cancellation is received by hotel at least 30 days prior to arrival and a cancellation number is obtained. Cancellations or modifications resulting in a shorter length of stay, made within 30 days of arrival will be subject to full forfeiture of room and tax charges.

ADDITIONAL LODGING - WILDWOOD SNOWMASS

Explore our fun, retro Snowmass hotel, located in the Westin/Wildwood Snowmass Resort complex, adjacent to the slopes of Snowmass Mountain and the Snowmass Village Mall. Wildwood Snowmass offers a hip mountain lifestyle with a cool retro design, cozy rooms and all the necessary amenities. Kick back poolside, soak in the outdoor hot tubs, get fit in our onsite fitness center and hang with friends at the Wildwood Bar. It's the most unique and fun hotel in Snowmass Village.

KING	QUEEN
\$239. ⁰⁰	\$259. ⁰⁰

To book your reservation and guarantee the group rate contact the Wildwood Snowmass at 970-923-8400.

WILDWOOD SNOWMASS CANCELLATION POLICY: A deposit equal to the full value of the reservation (room rate + resort fee + tax) will be charged 14 days prior to arrival. There is no cancellation penalty if cancellation is received by hotel at least 30 days prior to arrival and a cancellation number is obtained. Cancellations or modifications resulting in a shorter length of stay, made within 14 days of arrival will be subject to full forfeiture of room and tax charges.



TRAVEL INFORMATION

SNOWMASS, COLORADO

Snowmass Ski Area and Village is the second-largest ski resort in Colorado and the largest of the four mountains that make up the Aspen Snowmass resort, with 4,406 feet of vertical rise and 3,332 acres of parks, pipes, groomers, glades, cliffs and steeps. Snowmass is a mountain loved by many for its variety of terrain, uncrowded slopes, and abundance of ski-in, ski-out lodging. Off-mountain, Snowmass offers a wealth of winter activities such as cross country skiing and dog sledding, and a slope-side Village brimming with restaurants and shops.

AIRPORT

ASPEN-PITKIN COUNTY AIRPORT (ASE)

- Hotel Direction: 8 miles E
- Airport Shuttle Service: Reservation required, complimentary for Marriott Viewline Snowmass Resort guests (Monday-Sunday: 6:00 am - 11:00 pm)
- Shuttle Phone: 970-923-8200
- Alternate Transportation: Private car service fee: \$60 USD (one way)
- Estimated Taxi Fare: \$60 USD (one way)

EAGLE COUNTY AIRPORT (EGE)

- Hotel Direction: 70 miles N
- Shuttle Service: The Marriott Viewline Snowmass Resort does not provide shuttle service.
- Estimated Taxi Fare: \$350 USD (one way)

DENVER INTERNATIONAL AIRPORT (DEN)

- Hotel Direction: 220 miles E
- Shuttle Service: This hotel does not provide shuttle service.
- Estimated Taxi Fare: \$450 USD (one way)



SCIENTIFIC PROGRAM

Thursday, January 27, 2022

7:00 am – 8:00 am	Continental Breakfast
7:00 am – 5:00 pm	Registration
7:30 am – 12:15 pm	VASCULAR FELLOW PROGRAM Moderator: Venita Chandra, MD
7:30 am – 12:15 pm	GENERAL SURGERY RESIDENT PROGRAM Moderator: Gabriela Velazquez, MD
7:30 am – 2:00 pm	STUDENT MENTOR PROGRAM Moderator: Nathan Orr, MD
12:15 pm – 12:45 pm	Lunch Break
12:45 pm – 3:45 pm	TECHNOLOGY FORUM – DIDACTIC & HANDS-ON Moderator: Mounir Haurani, MD
4:00 pm – 6:00 pm	SCIENTIFIC SESSION I Moderators: Jason Lee, MD & Karan Garg, MD
4:00 pm – 4:12 pm	1 Psoas Muscle Area as a Prognostic Factor for Survival in Patients Undergoing EVAR Conversion Chris Jacobs, Salvatore Scali, Amanda Filiberto, Kyle Staton, Scott Robinson, Michol Cooper, Martin Back, Gilbert Upchurch, Thomas Huber - University of Florida, Gainesville, FL
4:12 pm – 4:24 pm	2 Drug-Eluting Stents are Associated with Good Mid-Term Outcomes for the Treatment of Failing Infrainguinal Bypass Grafts David Stonko ¹ , Rebecca Sorber ¹ , Sarah E. Deery ² , Yasaman Kavousi ¹ , James H. Black, III ¹ , Ying Wei Lum ¹ , Bruce A. Perler ¹ , Christopher J. Abularrage ¹ , Caitlin W. Hicks ¹ - ¹ Johns Hopkins, Baltimore, MD; ² Maine Medical Center, Portland, ME

4:24 pm – 4:36 pm

4:36 pm – 4:48 pm

4:48 pm – 4:56 pm

4:56 pm – 5:04 pm

3
Comparison of Transcarotid Artery Revascularization and Transfemoral Carotid Artery Stenting Outcomes among Symptomatic and Asymptomatic Patients Based on Lesion Calcification
Jerry Zhu¹, Ajit Rao², Windsor Ting², Daniel Han², Rami Tadros², David Finlay², John Phair², Ageliki Vouyuka², Michael Marin², Peter Faries¹ - ¹Icahn School of Medicine at Mount Sinai, New York, NY; ²The Mount Sinai Hospital, New York, NY

4
Renal Artery Stenosis Due to Entrapment
Dongjin Suh, Victor Hatcher, John Muhonen, Mel J. Sharafuddin - University of Iowa, Iowa City, IA

5 (RF)
Statin Use Reduces Mortality in Patients Who Develop Major Complications after Transcarotid Artery Revascularization
Heepeel Chang¹, Muhammad Zeeshan¹, Caron B. Rockman², Frank J. Veith², Igor Laskowski¹, Vikram S. Kashyap³, Glenn R. Jacobowitz², Karan Garg², Mikel Sadek², Thomas S. Maldonado² - ¹Westchester Medical Center, New York Medical College, Valhalla, NY; ²New York University Langone Medical Center, New York, NY; ³University Hospitals Cleveland Medical Center, Cleveland, OH

6 (RF)
The Effect of Socioeconomic Status on Amputation Outcomes and Limb Salvage Interventions
Tyler Buckjey¹, Ahsan Zil-E-Ali², Ryan King¹, Ravi Veeraswamy¹, Faisal Aziz², Elizabeth Genovese¹ - ¹Medical University of South Carolina, Charleston, SC; ²Penn State Health, Hershey, PA



5:04 pm – 5:12 pm	7 (RF) Association of Gun Violence with Vascular Injury and Worse Mortality Outcomes in the Pediatric Population Momodou L. Jammeh, Annie Hess, J. Wesley Ohman - Washington University in St. Louis School of Medicine, St Louis, MO
5:12 pm – 5:24 pm	8 The Importance of a Multi-Disciplinary Approach for Improving Abdominal Aortic Aneurysm Screening in a Non-HMO Healthcare System Matthew W. Mell, Janet P. Wells, Angela Aguirre - University of California Davis, Sacramento, CA
5:24 pm – 5:36 pm	9 Endovascular (TEVAR) Versus Open Surgical Repair for the Management of Unruptured Thoracic Aortic Aneurysms in Patients with Marfan's Syndrome Steven H. Liu ¹ , Brandon Muncan ¹ , Emily Wang ¹ , Nicholas J. Moehringer ¹ , Ayush Sangari ¹ , Lucyna Z. Price ² - ¹ Renaissance School of Medicine at Stony Brook University, Stony Brook, NY; ² Stony Brook University Hospital, Stony Brook, NY
5:36 pm – 5:48 pm	10 A Comparison of Revised Frailty Score Range Association with National Lower Extremity Bypass Outcomes by Gender James M. Dittman ¹ , Kedar S. Lavingia ² , Robert A. Larson ² - ¹ Virginia Commonwealth University School of Medicine, Richmond, VA; ² VCUHealth, Richmond, VA
5:48 pm – 6:00 pm	11 Operative Autonomy: Assessing Resident Impact on Surgical Outcomes in Below the Knee Amputations Alexander Simmonds, Diana Otoya, Kedar S. Lavingia, Michael Amendola - Virginia Commonwealth University, Richmond, VA
6:00 pm – 6:30 pm	INDUSTRY SESSION Sponsored by: Janssen
6:30 pm – 8:00 pm	WELCOME RECEPTION All attendees, guests & exhibitors are welcome.

Friday, January 28, 2022

6:00 am – 7:00 am	Continental Breakfast
6:00 am – 9:30 am	Registration
7:00 am – 9:04 am	SCIENTIFIC SESSION II Moderators: Gabriela Velazquez, MD & Matthew Smeds, MD
7:00 am – 7:12 am	12 The Use of Paclitaxel-Coated Devices in the Treatment of Peripheral Arterial Disease is not Associated with Increased Mortality or Amputations Evan Bair, Gregory G. Salzler, Beau McCarver, Shengxuan Wang, Benjamin Greif, Matthew Major, Evan J. Ryer, James R. Elmore - Geisinger Medical Center, Danville, PA
7:12 am – 7:24 am	13 Large Fenestrations Versus Scallops for the SMA During Fenestrated EVAR: Does it Matter? Sabina M. Sorondo, Shernaz S. Dossabhoy, Kenneth Tran, Vy T. Ho, Jordan R. Stern, Jason T. Lee - Stanford Health Care, Palo Alto, CA
7:24 am – 7:36 am	14 Impact of Socioeconomic Status on Major Amputation in Patients with Peripheral Vascular Disease and Diabetes Mellitus Rachel R. Fan ¹ , Andrew K. Gibson ⁴ , Matthew R. Smeds ¹ , Emad Zakhary ^{1,2} - ¹ Saint Louis University School of Medicine, St. Louis, MO; ² St. Louis Veteran Affairs Health Care System, St. Louis, MO; ³ Clinical Epidemiology Center, Research and Development Service, St. Louis Veterans Affairs Health Care System, St. Louis, MO; ⁴ Veterans Research and Education Foundation of St. Louis, St. Louis, MO
7:36 am – 7:48 am	15 Differences in Aortic Intramural Hematoma Contrast Attenuation on Multi-Phase CTA Predict Long-Term Aortic Morphologic Change Charles Decarlo, Zachary Feldman, Brandon Sumpio, Arminder Jassar, Abhisekh Mohapatra, Matthew J. Eagleton, Anahita Dua, Jahan Mohebbi - Massachusetts General Hospital, Boston, MA

SCIENTIFIC PROGRAM

7:48 am – 7:56 am	<p>16 (RF) Analysis of Publicly Reported Adverse Events in the Vici and Venovo Venous Stent Systems Yuchi Ma, James Dittman, Kedar S. Lavingia, Michael Amendola - Virginia Commonwealth University, Richmond, VA</p>	8:24 am – 8:36 am	<p>20 Endovascular Repair in Patients with Heritable Thoracic Aortic Disease Julie R. Solomon, J. Westley Ohman, Alan C. Braverman - Washington University School of Medicine, St. Louis, MO</p>
7:56 am – 8:04 am	<p>17 (RF) Real World Experience with the Human Acellular Vessel: A Bioengineered Implant for Arterial Repair that Expands Limb Salvage Options Alexis L. Lauria¹; Alexander J. Kersey¹, Brandon W. Propper¹, Paul W. White¹, W. Darrin Clouse², Daniel R. Calderon³, Todd E. Rasmussen⁴, Joseph M. White¹ - ¹Uniformed Services University of the Health Sciences and Walter Reed National Military Medical Center, Bethesda, MD; ²University of Virginia, Charlottesville, VA; ³Heart and Vascular Institute, University of Pittsburgh Medical Center, Harrisburg, PA; ⁴Mayo Clinic, Rochester, MN</p>	8:36 am – 8:48 am	<p>21 Clinical Outcomes of a Diagnostic and Management Protocol for Popliteal Artery Entrapment Syndrome at a Large Referral Center Amir Ghaffarian, Reginald Nkansah, Elina Quiroga, Nam Tran, Benjamin Starnes, Niten Singh - University of Washington, Seattle, WA</p>
8:04 am – 8:12 am	<p>18 (RF) Novel Use of Trans-Carotid Revascularization System for Brachiocephalic Vascular Interventions Viraj Pandit, Peter Nelson, Steven Vang, Kelly Kempe, Kimberly Zamor, William Jennings, Hyein Kim - University of Oklahoma, Tulsa, OK</p>	8:48 am – 8:56 am	<p>22 (RF) Analysis of Concomitant and Isolated Venous Injury in Military Lower Extremity Trauma Anne E. O'Shea¹, Matthew Burgess², David S. Kauvar¹ - ¹Brooke Army Medical Center, Fort Sam Houston, TX; ²US Army Institute of Surgical Research, Fort Sam Houston, TX</p>
8:12 am – 8:24 am	<p>19 Female Gender is Associated with Worse Outcomes Following Complex Fenestrated or Branched Endovascular Aortic Repair Brendan Gontarz¹, Ilene Staff², Randall DeMartino³, Akhilesh Jain², Rasheed Majeen², Elizabeth Aitcheson², Parth Shah², Edward Gifford² - ¹University of Connecticut, Farmington, CT; ²Hartford Hospital, Hartford, CT; ³Mayo Clinic, Rochester, MN</p>	8:56 am – 9:04 am	<p>23 (RF) Evaluating Neutrophil-to-Lymphocyte Ratio as a Predictive Tool for Post-Operative Outcomes in Patients Undergoing Open Lower Extremity Revascularization Procedures Lily S. F. Adler, Emann M. Rabie, Samantha M. Shave, Anoop Alla, Saum A. Rahimi, William E. Beckerman - Rutgers Robert Wood Johnson Medical School, New Brunswick, NJ</p>



9:30 am – 11:00 pm

**INTERESTING CASE REPORT
SESSION 1**

Moderator: Mark Conrad, MD

CR1

Paradoxical Arterial Embolization of a Missile via the Pulmonary Vein in a Pediatric Penetrating Trauma Patient

M. Libby Weaver¹, Phillip D. Jenkins², Faidah Badru¹, Kyle M. Staton¹, Thomas S. Huber¹, Moiz M. Mustafa¹, Samir Shah¹ -
¹University of Florida, Gainesville, FL; ²University of Florida School of Medicine, Gainesville, FL

1:00 pm – 2:00 pm

CR2

Distal Brachial Artery Embolization for the Treatment of Dialysis Access Steal Syndrome

Brian M. Leoce, Helen S. Wei, Kevin Z. Molnar, Steven M. Hadley, Jr., Joe T. Huang, Michael A. Curi -
 Rutgers New Jersey Medical School, Newark, NJ

2:30 pm – 3:00 pm

3:00 pm

3:00 pm – 4:00 pm

4:00 pm – 6:00 pm

CR3

Concurrent Nutcracker Syndrome and Superior Mesenteric Artery Syndrome Requiring Duodenojejunal Bypass and Left Renal Vein Transposition

Taylor N. Laskowski¹, Alexandre d'Audiffret¹, Sungho Lim² - ¹Rush University, Chicago, IL; ²Rush University, Chicago, IL

4:00 pm - 4:12 pm

CR4

Transthoracic Embolization of a Persistent Endoleak after Aortic Debranching and Zone 0 TEVAR

Gerardo G. Guardiola, Carla K. Scott, Jesus P. Colon, Anna L. Driessen, Felipe A. Pavarino, Marilisa S. Gonzalez, Mirza S. Baig, Melissa L. Kirkwood, Carlos H. Timaran - UT Southwestern, Dallas, TX

4:12 pm – 4:24 pm

CR5

False Lumen Deployment of a Ctag Frozen Elephant Trunk During Acute Aortic Dissection Repair Can Be Rescued with Subacute TEVAR and Distal Petticoat Technique

Kush J. Sharma, Eanas S. Yassa -
 Spectrum Health/Michigan State University College of Human Medicine, Grand Rapids, MI

CR6

Management of Ruptured Common Carotid Pseudoaneurysm Following Trans-Carotid Arterial Revascularization in a Patient with Type III Aortic Arch

Joshua S. Meredith, Brian Kuhn, Andrew Ringer, Patrick Muck, Matthew Recht, Aaron Kulwicki, Mark Broering - Trihealth, Cincinnati, OH

**ASK THE EXPERTS SESSION
Practical Guide to Your First 3 Years**

Moderator: Jeanie Ruddy, MD

See page 14 for more info.

INDUSTRY SESSION

Sponsored by: Boston Scientific

Registration Re-Opens

Coffee/Snacks – Visit Exhibitors

SCIENTIFIC SESSION III

Moderators: Dawn Coleman, MD & Ravi Rajani, MD

24

Unrecognized Cognitive Impairment is Common in a VA Population with Peripheral Arterial Disease

Eric J.T. Smith, Warren J. Gasper, Peter Schneider, Emily Finlayson, Louise C. Walter, Ken E. Covinsky, Michael S. Conte, James C. Iannuzzi - University of California San Francisco, San Francisco, CA

25

Midterm Clinical Outcomes of Retrograde Open Mesenteric Stenting for Mesenteric Ischemia

Nolan C. Cirillo-Penn¹, Randall R. DeMartino¹, Todd E. Rasmussen¹, Fahad Shuja¹, Jill J. Colglazier¹, Manju Kalra¹, Gustavo S. Oderich², Bernardo C. Mendes¹ - ¹Mayo Clinic, Rochester, MN; ²University of Texas Health Science Center at Houston, Houston, TX

SCIENTIFIC PROGRAM

4:24 pm – 4:36 pm	<p>26 Increased Regional Market Competition Lowers Threshold for Revascularization in Asymptomatic Carotid Artery Stenosis Rebecca A. Sorber¹, Courtenay M. Holscher¹, Devin S. Zarkowsky², Christopher J. Abularrage¹, James H. Black, III¹, Caitlin W. Hicks¹ - ¹The Johns Hopkins Hospital, Baltimore, MD; ²University of Colorado Anschutz School of Medicine, Denver, CO</p>	5:04 pm – 5:12 pm	<p>30 (RF) Endovascular Repair of Delayed Endologix AFX Graft Failure is Superior to Open Repair with Explant Michael P. Bianco, Elizabeth A. Blazick, Kimberly T. Malka, Truc M. Ta, Robert E. Hawkins, Paul H. S. Bloch, Brian W. Nolan, Nathan J. Aranson - Maine Medical Center, Portland, ME</p>
4:36 pm – 4:48 pm	<p>27 Pre-Existing Systolic Dysfunction is the Most Powerful Predictor of Failed Arteriovenous Fistula Maturation Christian C. Faaborg-Andersen, Christopher R. Ramos, Keri Minton, Jaime Benarroch-Gampel, Victoria J. Teodorescu, Ravi R. Rajani - Emory University School of Medicine, Atlanta, GA</p>	5:12 pm – 5:24 pm	<p>31 Anatomic Factors Contributing to External Iliac Artery Endofibrosis in High Performance Athletes Andrea T. Fisher, Kenneth Tran, Shernaz S. Dossabhoy, Sabina Sorondo, Arash Fereydooni, Jason T. Lee - Stanford University, Stanford, CA</p>
4:48 pm – 4:56 pm	<p>28 (RF) Role of Growth Factors in Smooth Muscle Cell Migration in Tissue Engineered Vascular Grafts Lauren N. West-Livingston¹, Young Min Ju¹, Gabriela A. Velazquez², Anthony Atala¹, Sang Jin Lee¹ - ¹Wake Forest School of Medicine, Winston Salem, NC; ²Atrium Health Wake Forest Baptist, Winston Salem, NC</p>	5:24 pm – 5:36 pm	<p>32 Lower Extremity Revascularization among Patients with Premature Peripheral Artery Disease Compared to Patients at the Common Age of Presentation in the Vascular Quality Initiative Tanner Kim, Sarah Loh, Andrew Dewan, Michael Murray, Hamid Mojibian, Arya Mani, Carlos Mena-Hurtado, Cassius Iyad Ochoa Chara - Yale University School of Medicine, New Haven, CT</p>
4:56 pm – 5:04 pm	<p>29 (RF) Outcomes of Carotid Artery Stenting in Patients with Carotid Tandem Lesions Nadin Elsayed¹, Munir Paul Moacdieh¹, Taiwo Dodo-Williams¹, Asma Mathlouthi¹, Raghu Motaganahalli², Mahmoud Malas¹ - ¹University of California San Diego, La Jolla, CA; ²Indiana University School of Medicine, Indianapolis, IN</p>	5:36 pm – 5:48 pm	<p>33 Association of Loss of Commercial Insurance and the Risk of Lower Extremity Amputation in Peripheral Artery Disease Caronae M. Howell¹, Adelina Lane², Juan Camilo Arias¹, Craig C. Weinkauff¹, David Armstrong³, Tze-Woei Tan¹ - ¹Banner UMC, Tucson, AZ; ²University of Arizona School of Medicine, Tucson, AZ; ³University of Southern California, Los Angeles, CA</p>



5:48 pm – 6:00 pm	34 High Dose-Rate Brachytherapy for Lower Extremity In-Stent Restenosis: A 18-Year, Single-Center Experience Rowza T. Rumma ¹ , Christian D. Cerecedo-Lopez ² , Christine T. Wu ¹ , Phillip M. Devlin ² , Edwin C. Gravereaux ¹ , Piotr S. Sobieszczyk ¹ , Michael T. Belkin ¹ , Matthew T. Menard ¹ - ¹ Brigham and Women's Hospital, Boston, MA; ² Dana Farber Cancer Institute, Boston, MA	7:24 am – 7:36 am	37 Utilization of Thromboelastography with Platelet Mapping for Prediction of Poor Wound Healing and Infection in Postoperative Vascular Patients Monica Majumdar ¹ , Davis Waller ¹ , Srihari Lella ¹ , Brandon Sumpio ¹ , Zach M Feldman ¹ , Young Kim ¹ , Charles S. Decarlo ¹ , Jessica Cardenas ² , Ryan P. Hall ³ , Kathryn Nuzzolo ¹ , Amanda Kirshkian ¹ , Anahita Dua ¹ - ¹ Massachusetts General Hospital/Harvard Medical School, Boston, MA; ² University of Texas-Houston, Houston, TX; ³ Tufts Medical Center/Tufts University School of Medicine, Boston, MA
6:00 pm – 7:00 pm	VESS MEMBER BUSINESS MEETING		
6:15 pm – 7:00 pm	INDUSTRY SESSION Sponsored by: Terumo Aortic		
Saturday, January 29, 2022		7:36 am – 7:48 am	38 "Large Diameter" Aortic Endografts are Associated with Aneurysm Sac Expansion Patricia Lu ¹ , Young Erben ² , Randall DeMartino ³ , Bernardo Mendes ³ , William Stone ¹ , Victor Davila ¹ , Ina Soh ¹ , William Sheaffer ¹ , Austin Pierce ¹ , Andrew Meltzer ¹ - ¹ Mayo Clinic, Phoenix, AZ; ² Mayo Clinic, Jacksonville, FL; ³ Mayo Clinic, Rochester, MN
6:00 am – 7:00 am	Continental Breakfast		
6:00 am – 9:30 am	Registration		
7:00 am – 9:00 am	SCIENTIFIC SESSION IV Moderators: Roan Glocker, MD & Jaime Bennaroch-Gampel, MD	7:48 am – 7:56 am	39 (RF) "Impact of "Defensive Medicine" on the Costs of Diabetes and Associated Conditions Austin Pierce ¹ , William Sheaffer ¹ , Victor Davila ¹ , Ina Soh ¹ , Ellen Meltzer ¹ , Francesco Aiello ² , Andrew Meltzer ¹ - ¹ Mayo Clinic Arizona, Phoenix, AZ; ² University of Massachusetts Memorial Health, Northborough, MA
7:00 am – 7:12 am	35 Surgical Deep Vein Arterialization: Adding to the Armamentarium of Complex Limb Salvage Alexis L. Lauria ¹ , Brandon W. Propper ¹ , Richard F. Neville ² - ¹ Walter Reed National Military Medical Center, Bethesda, MD; ² Inova Heart and Vascular Institute, Falls Church, VA	7:56 am – 8:04 am	40 (RF) Longer Healing Times, Higher Recurrence Rates, and Increased Incidence of DVT Following Cyanoacrylate Ablation for Active Venous Ulcerations Lindsey Korepta, Matthew Ward - Loyola University Medical Center, Maywood, IL
7:12 am – 7:24 am	36 TEVAR with Supra-Aortic Trunk Revascularization is Associated with Increased Risk of Periprocedural Ischemic Stroke Ruoqia Debbie Li, Matthew C. Chia, Mark K. Eskandari - Northwestern University, Chicago, IL	8:04 am – 8:12 am	41 (RF) Clinical Outcomes and Management of Patients Presenting with Intermittent Claudication and a Low Toe Brachial Index Drew Bromenshenkel, Alyssa Field, Lori Pounds, Clay Quint - Audie L. Murphy Memorial VA Hospital, San Antonio, TX

SCIENTIFIC PROGRAM

8:15 am – 9:00 am

AWARD SESSION

Moderators: Benjamin Brooke, MD & Jason Lee, MD

Update from 2020 Winners

- Travel Award: Gregory Magee (Postponed)
- Resident Research Award: Christopher Audu

Update from 2021 Winners

- Travel Award: Tze-Woei Tan
- Resident Research Award: Kenneth Tran
- Early Career Faculty: Tammy Nguyen

2022 Award Winners Announcement

- Travel Award
- Resident Research Award
- Early Career Faculty Award

9:00 am – 9:15 am

Introduction of the President

Ravi Veeraswamy, MD

9:15 am – 10:00 am

PRESIDENTIAL ADDRESS

Jason Lee, MD

10:30 am – 11:30 pm

INTERESTING CASE REPORT SESSION 2

Moderator: Manuel Garcia-Toca, MD

CR7 (Video)

A Case of Congenital Absence of the Inferior Vena Cava and Deep Vein Thrombosis

Matt Low - Prisma Health Upstate, Greenville, SC

CR8

Clinical Application of Surgeon-Modified Double Inner Branched Stent Graft to Treat Aortic Arch Aneurysm

William J. Yoon¹, Jan Stines², Cheong J. Lee¹ - ¹NorthShore University HealthSystem, Skokie, IL; ²University of Chicago Pritzker School of Medicine, Chicago, IL

1:00 pm – 2:00 pm

2:00 pm – 2:30pm

2:30 pm – 3:00 pm

3:00 pm

3:00 pm – 4:00 pm

4:00 pm – 6:00 pm

4:00 pm – 4:12 pm

CR9 (Video)

Innominate Artery Aneurysm Repair with Arch Debranching

Ross G. McFall, Maham Rahimi, Thomas MacGillivray - Houston Methodist Hospital, Houston, TX

CR10

Revascularization of Absent Right Common Iliac Artery in a Young Athlete

Michael J. Paisley, Joshua Villarreal, Hanjay Wang, Jason T. Lee - Stanford University, Palo Alto, CA

CR11 (Video)

Endovascular Treatment of Severely Stenotic Homograft in a Congenital Truncus Arteriosus Patient

Tru Dang, Agenor Dias, John Rhodes, Ravikumar Veeraswamy - Medical University of South Carolina, Charleston, SC

ASK THE EXPERTS SESSION Managing Complex Cases in Hemodialysis

Moderator: Brent Safran, MD

See page 14 for more info.

INDUSTRY SESSION

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INDUSTRY SESSION

Sponsored by: Endologix

Registration Re-Opens

Coffee/Snacks

SCIENTIFIC SESSION V

Moderators: Misty Humphries, MD & Kelly Kempe, MD

42

Preoperative Spinal Drain Placement is Associated with Reduced Risk of Spinal Cord Ischemia in Patients Undergoing Thoracic Endovascular Aortic Repair for Aortic Dissection

Sina Zarrintan, Kevin S. Yei, Munir P. Moacdieh, Mahmoud B. Malas - University of California, San Diego, La Jolla, CA



SCIENTIFIC PROGRAM

4:12 pm – 4:24 pm	<p>43 Safety and Efficacy of Drug-Eluting Stents for Treatment of Transplant Renal Artery Stenosis Heepeel Chang¹, Bruce E. Gelb², Zoe A. Stewart², Bonnie E. Lonze², Karan Garg², Caron B. Rockman², Glenn R. Jacobowitz², Nicole M. Ali², Neal S. Cayne² - ¹Westchester Medical Center, New York Medical College, Valhalla, NY; ²New York University Langone Medical Center, New York, NY</p>	4:56 pm – 5:04 pm	<p>47 (RF) Impact of Preoperative Beta-Blockade on Outcomes Following the Surgical Treatment of Atherosclerotic Disease Anna Beth West, Abigail J. Hatcher, Ravi R. Rajani, Christopher R. Ramos, Jaime Benarroch-Gampel - Emory University School of Medicine, Atlanta, GA</p>
4:24 pm – 4:36 pm	<p>44 Delirium Associated Adverse Events and Resource Use after Infrainguinal Lower Extremity Bypass Richard D. Gutierrez¹, Zachary A. Matthey¹, Eric J.T. Smith¹, Kurt Linderman², Warren J. Gasper¹, Jade S. Hiramoto¹, Michael S. Conte¹, James C. Iannuzzi¹ - ¹University of California, San Francisco, San Francisco, CA; ²University of Utah, School of Medicine, Salt Lake City, UT</p>	5:04 pm – 5:12 pm	<p>48 (RF) Integrated Vascular Surgery Versus General Surgery Residency Programs: A Ten-Year Comparison Using a Normalized Competitive Index John A. Treffalls, Rebecca N. Treffalls, Qi Yan, Mark G. Davies - University of Texas Health San Antonio, San Antonio, TX</p>
4:36 pm – 4:48 pm	<p>45 One-Year Outcomes after Implementation of a Ruptured Abdominal Aortic Aneurysm Protocol Amanda R. Phillips¹, Jaijeet S. Chhabra², Paige Phillips¹, Mohammad H. Eslami¹, Rabih Chaer¹, Michel S. Makaroun¹, Michael J. Singh¹, Nathan L. Liang¹ - ¹UPMC, Pittsburgh, PA; ²Marshall University Medical School, Huntington, WV</p>	5:12 pm – 5:24 pm	<p>49 Perioperative Outcomes among Major Endovascular Stent Grafts for the Treatment of Abdominal Aortic Aneurysm Emma Goldsmith Rooney, Anna Beth West, Caroline Wasserman, Ravi R. Rajani, Christopher R. Ramos, Jaime Benarroch-Gampel - Emory University School of Medicine, Atlanta, GA</p>
4:48 pm – 4:56 pm	<p>46 (RF) Effective Neck for Endovascular Treatment of Blunt Traumatic Aortic Injury Tommaso Cambiaghi¹, Ezra Y. Koh², Rana O. Afifi¹, Gustavo S. Oderich¹ - ¹McGovern Medical School @ UTHHealth, Houston, TX; ²Houston Methodist Hospital, Houston, TX</p>	5:24 pm – 5:36 pm	<p>50 Hypogastric Artery Flow Interruption is Associated with Increased Mortality after Open Aortic Repair Jason Zhang, Heepeel Chang, Caron Rockman, Neal Cayne, Glenn Jacobowitz, Karan Garg - NYU Langone Health, New York, NY</p>

SCIENTIFIC PROGRAM

5:36 pm – 5:48 pm	<p>51 The Risk of Thromboembolic Events in COVID-19 Patients During the Height of the SARS-CoV-2 Pandemic Janice Nam¹, Melissa D'Andrea¹, Alexander O'Hara¹, Lindsey Staszewski¹, Jacob Pozin¹, Amy Wozniak¹, Lindsey Korepta², Bernadette Aulivola² - ¹Loyola University Chicago Stritch School of Medicine, Maywood, IL; ²Loyola University Medical Center, Maywood, IL</p>
5:48 pm – 5:56 pm	<p>51 (RF) A Single Center Experience with Forearm Arteriovenous Loop Grafts for Hemodialysis Ian M. Brastauskas, Nimesh Patel, Zachary German, Jeanette Stafford, Matthew Edwards, Mariana Muera, Gabriela Velazquez, Matthew P. Goldman, Ross P. Davis - Wake Forest Baptist Health, Winston-Salem, NC</p>
5:56 pm – 6:04 pm	<p>53 (RF) Revision of Aneurysmal Arteriovenous Access with Immediate Use Graft is Safe and Avoids Prolonged use of Tunneled Hemodialysis Catheters Isaac N. Naazie, Claire Janssen, Sean Perez, Asma Mathlouthi, Luis Cajas-Monson, Mahmoud Malas, Omar Al-Nouri - University of California San Diego, La Jolla, CA</p>
7:00 pm – 10:00 pm	<p>PRESIDENT'S DINNER Tickets Required</p>

Ask the Experts Details

ASK THE EXPERTS SESSION Practical Guide to Your First 3 Years

Friday, January 27, 2022

1:00 pm – 2:00 pm

Moderator: Jeanie Ruddy, MD

Learning Objectives:

- Identify and discuss unexpected stressors encountered by vascular surgeons in their first job
- Consider how professionalism, partnership and patient care influence the early years of vascular surgery practice
- Introduce concepts to establish wellness and balance in a surgical career

ASK THE EXPERT SESSION Managing Complex Cases in Hemodialysis

Saturday, January 28, 2022

1:00 pm – 2:00 pm

Moderator: Brent Safran, MD

Learning Objectives:

- Stimulate discussion about the breadth of hemodialysis access options and how they can be utilized to meet the unique needs of our patients
- Demonstrate innovative techniques to maintain hemodialysis access for complex patients
- Achieve optimal patient-centric outcomes



ADDITIONAL PROGRAMMING

TECHNOLOGY FORUM

The 2022 Technology Forum will focus on broad vascular pathology and will showcase some of the best that industry has to offer. The emphasis of this program is for industry to provide insight into current and up-and-coming technology, as well as what treating physicians may see in the near future as it relates to developments in the pipeline. It will also provide opportunity for an intensive, hands-on experience in a small group format that provides a granular experience for the participating physicians. Note: This program is not eligible for CME credits. The Technology Forum is open to all registered attendees.

DATE: Thursday, January 27, 2022

TIME: 12:45 pm - 3:45 pm

VASCULAR FELLOWS PROGRAM

The objective of the 2022 Vascular Fellows Program is to educate graduating fellows on starting a career as a vascular surgeon. Recent topics have included negotiating contracts, billing and coding, social media and branding, how to be successful in an academic vs. private practice and recognizing/coping with burnout.

DATE: Thursday, January 27, 2022

TIME: 7:30 am - 12:15 pm

NEXT GENERATION MEDICAL STUDENT SYMPOSIUM

The 2022 Next Generation Student Mentor Program will once again focus on providing medical students with a career interest in vascular surgery, a forum to see what we are all about. This symposium seeks to empower the next generation of medical students to experience the clinical challenges, technological innovation, translational research and fellowship that defines our important specialty.

DATE: Thursday, January 27, 2022

TIME: 7:30 am - 12:15 pm

GENERAL SURGERY RESIDENT VASCULAR INTEREST PROGRAM

We are excited to announce the launch of the first General Surgery Resident Vascular Interest Program, aimed to provide network opportunities to all general surgery residents who have an interest in pursuing a vascular surgery fellowship. The program will include topics of interest regarding fellowship application process, types of programs, academic and private practice, mentoring opportunities, research advancement and the unique VESS networking environment that will allow attendees to interact with other vascular fellows and residents, vascular surgery faculty around the country, as well as immersion to broad vascular pathology and industry technology.

DATE: Thursday, January 27, 2022

TIME: 7:30 am - 2:00 pm

SKI LIFT TICKETS

On behalf of our meeting attendees, special discounted rates for ski tickets have been secured through Aspen Ski Company. Tickets must be reserved in advance. There is no guarantee that discounted tickets will be available after the January 14 deadline.

If you plan to begin skiing before Thursday, January 27, please be sure to indicate this on the registration questionnaire. Arrangements will be made to have your lift tickets available in advance.

Children 6 and under ski free, but still require a pass to load lifts, so please include in your order.

Guests who purchase a multi-day ticket with 2-7 days have a 10-day window to use between January 24 – 30, 2022.

TICKET PRICING

TICKET CATEGORY	ADULT PRICING (18-64)	CHILD (7-12) TEEN (13-17) SENIOR (65+)
1 DAY LIFT TICKET	\$142	\$111
2 DAY LIFT TICKET	\$268	\$154
3 DAY LIFT TICKET	\$402	\$231
4 DAY LIFT TICKET	\$500	\$308
5 DAY LIFT TICKET	\$625	\$385
6 DAY LIFT TICKET	\$750	\$462





MEETING REGISTRANT

Registration Deadline: Friday, January 14, 2022

First Name	Last Name		
Institution			
Address			
City	State	Zip Code	Country
Daytime Telephone		Email Address (Required For Confirmation)	

REGISTRATION FOR LIVE/IN-PERSON

CATEGORY	EARLY BIRD FEE Deadline: 12/10/21	REGISTRATION Deadline: 1/14/22
<input type="checkbox"/> VESS Member (Active or Senior)	\$325	\$375
<input type="checkbox"/> Guest Physician (Non-Member)	\$425	\$475
<input type="checkbox"/> Allied Health Professional	\$225	\$275
<input type="checkbox"/> VESS Candidate Member	\$175	\$225
<input type="checkbox"/> Fellow/Resident	\$175	\$225
<input type="checkbox"/> Medical Student*	\$150	\$150

*A letter from your institution is required for verification which must be emailed to the National Office (vess@administrare.com) prior to the Annual Meeting.

TECHNOLOGY FORUM

There is no fee to attend the Technology Forum on Thursday, January 27, but registration is required.

Yes, I plan on attending the Technology Forum on Thursday.

PRESIDENT'S DINNER TICKETS

These tickets are for Saturday, January 29, 2022.

CATEGORY	FEE	# OF TICKETS
<input type="checkbox"/> Adult Ticket	\$75/each	_____
<input type="checkbox"/> Children (Ages 12-18)	\$35/each	_____

SKI LIFT TICKETS

(A) = Adult (18-64) (C) = Child/Teen/Senior

	# OF TICKETS	# OF TICKETS
1-Day Ticket	<input type="checkbox"/> A _____ (\$142)	<input type="checkbox"/> C/T/S _____ (\$111)
2-Day Ticket	<input type="checkbox"/> A _____ (\$268)	<input type="checkbox"/> C/T/S _____ (\$154)
3-Day Ticket	<input type="checkbox"/> A _____ (\$402)	<input type="checkbox"/> C/T/S _____ (\$231)
4-Day Ticket	<input type="checkbox"/> A _____ (\$500)	<input type="checkbox"/> C/T/S _____ (\$308)
5-Day Ticket	<input type="checkbox"/> A _____ (\$625)	<input type="checkbox"/> C/T/S _____ (\$385)
6-Day Ticket	<input type="checkbox"/> A _____ (\$750)	<input type="checkbox"/> C/T/S _____ (\$462)

Please check here if you plan on skiing **prior** to Thursday, January 27.

Indicate early ski days: _____

PAYMENT METHOD

TOTAL AMOUNT DUE \$ _____

MasterCard VISA American Express Check

_____ Credit Card #

_____ Expiration Date CVV Code

_____ Billing Address

_____ Billing City State Zip

_____ Country

_____ Name On Card

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REGISTER ONLINE!
Deadline: Friday, January 14, 2022

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