The VESS is a national society with over 1,000 members and a 40+ year history dedicated to issues most germane to the young vascular surgeon.
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 43rd Annual Meeting of the Vascular and Endovascular Surgery Society will be held January 31—February 3, 2019 at the Snowbird Resort in Snowbird, UT – a convenient 45-minute drive from Salt Lake City International Airport (SLC).

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 associated health care workers involved in the management of patients with vascular disease. Upon completion of this course, attendees should be able to:

- Evaluate the use of tibial interventions within their own practice
- Review their practice patterns regarding the administration of opioid medications
- Better stratify patients for risk of deep vein thrombosis after ablation of superficial veins
- Better evaluate patients regarding use of measures of frailty
- Understand risk factors for high radiation exposure
- Better treat patients who have sustained vascular injuries from trauma
- Evaluate the use of ultrasound for arterial access within their own institution

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

CATEGORY & FEES

<table>
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<tr>
<th>CATEGORY</th>
<th>EARLY BIRD DEADLINE: 12/15/18</th>
<th>REGISTRATION DEADLINE: 12/16/18 - 01/11/19</th>
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*Letter of verification from institution required. Letter must be emailed to vess@administrare.com.

All registrations must be completed by Wednesday, January 11, 2019. Registration fees include all scientific sessions, entrance to the exhibit hall, continental breakfasts, coffee breaks and the Welcome Reception on Thursday evening. The President’s Dinner is by separate subscription and tickets are required for all registrants and their guests (see below).

HOW TO REGISTER

There are two easy ways to register for the 43rd Annual Meeting in Snowbird, UT. Receive immediate confirmation by registering online at www.vesurgery.org. Please Note: VESS members should use the email address the Society has on file when registering online. You may also complete the meeting registration form included in this brochure and mail or fax as directed. Accepted Forms of Payment: MasterCard, VISA, American Express, checks drawn on a U.S. bank made payable to the Vascular and Endovascular Surgery Society and cash (onsite only).

PRESIDENT’S DINNER (SEPARATE SUBSCRIPTION)

The Saturday evening President’s Dinner is by separate subscription. Ticket prices are: Adult ($75/each) and Children 6-12 ($35). Children under six are free, but still require a ticket.

The Summit is Snowbird’s newest year-round guest facility located atop Hidden Peak at 11,000 feet. Just a few steps from the Aerial Tram, the Summit provides different views of the surrounding Wasatch-Cache National Forest and straddles the intersection of three high-mountain ranges—Mineral Basin, Gad Valley and Peruvian Gulch. Be sure to get your ticket to the Presidents’ Dinner when you register for the meeting. There will be music from Pixie & the Party Grass Boys, along with an avalanche dog demonstration! Space is limited.

CANCELLATION POLICY

If written notice of cancellation is received by Wednesday, January 11, 2019, 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

THE CLIFF LODGE @ SNOWBIRD RESORT
The Cliff Lodge at Snowbird is one of North America’s most iconic ski lodges. The majesty of Little Cottonwood Canyon can be explored from the views each room provides whether facing Snowbird’s ski slopes or peering down the glacially carved canyons spilling into the Salt Lake City valley below. Enjoy ski-in/ski-out convenience and excellent service with a luxurious resort experience.

On behalf of our meeting attendees, special rates have been secured over the dates of the meeting at the Cliff Lodge: Standard Bedroom $294/night (single) and $304/night (double); King Deluxe Room $324/night (single) and $334/night (double). Detailed descriptions of the hotel room types can be found on the Annual Meeting page of the VESS website (www.vesurgery.org).

Room rates are subject to tax (currently at 11.6%). In addition, a reduced daily resort fee of $25 per room/per night has been negotiated for VESS attendees. This fee includes high speed wireless internet in lodging rooms and most public space, free self-parking at all lodges, plus valet at the Cliff Lodge, fitness center use, in-room coffee at the and hot beverages in business center. It also includes access to private ski and snowboard storage lockers. Check-in time is 4:00 pm and check-out time is 12:00 pm. Guests arriving before 4:00 pm will be accommodated as rooms become available.

CANCELLATION POLICY: The individual reservation lodging deposit is fully refundable up to thirty (30) days prior to the arrival date. Reservations cancelled 29-15 days prior to the arrival date will be charged two (2) nights’ lodging, tax and fees. Reservations cancelled within fourteen (14) days prior to the arrival date are fully non-refundable. No-shows, delayed arrivals and early departures are considered cancellations.

RESERVATION DEADLINE
All reservations must be received no later than 5:00 pm (eastern) on Wednesday, December 12, 2018. After this date or once the VESS block of rooms has sold out, the group rate cannot be guaranteed. Please Note: We strongly recommend making your reservations as early as possible, as we anticipate selling out of our discounted rooms early.

To make your reservation, please contact the Cliff Lodge directly at 800-453-3000. Please be sure to indicate that you are with the VESS 43rd Annual Meeting to secure the group rate. The group code is 2C580V.
TRAVEL INFORMATION

SNOWBIRD, UTAH

Located just 6-miles up Little Cottonwood Canyon and 25-miles from downtown Salt Lake City, Snowbird is the closest alpine resort to an international airport in North America. Snowbird’s claim to fame is its legendary “steep and deep” terrain, provided by annual average snowfall of more than 500 inches. Snowbird has the only year-round Aerial Tram in Utah, as well as the longest ski season of any resort in the Beehive State. Snowbird offers 2,500 acres of skiable terrain for skiers and snowboarders of all ability levels. All lodging properties at Snowbird are neatly snuggled around the Snowbird Center providing easy foot access to dining and retail outlets.

AIRPORT

Snowbird Resort is a convenient 45-minute drive from Salt Lake City International Airport (SLC).

AIRPORT SHUTTLE SERVICE

The VESS has contracted with Canyon Transportation (airport shuttle service) to obtain a discounted rate for meeting attendees. Canyon Transportation services Salt Lake City International Airport.

To make reservations online, go to the shuttle service tab on the winter meeting page of the VESS website. For more information go to www.canyontransport.com or call Canyon Transport reservations help desk at 801-255-1841.
Thursday, January 31, 2019

7:00 am – 5:00 pm Registration
8:15 am – 12:15 pm COOK FELLOW LUMINARIES
8:15 am – 12:15 pm STUDENT PROGRAM
10:30 am – 11:00 am Coffee Break
12:30 pm – 1:30 pm Fellows /Students Lunch
2:30 pm – 5:30 pm TECHNOLOGY FORUM – DIDACTIC & HANDS-ON
5:30 pm – 7:00 pm WELCOME RECEPTION

Friday, February 1, 2019

6:00 am – 7:00 am Continental Breakfast
6:00 am – 9:30 am Registration
7:00 am – 9:03 am SCIENTIFIC SESSION I
7:00 am – 7:12 am 1 The Rates of Endovascular Tibial Intervention are Increasing without Affecting the Rates of Major Amputations
Peng Zhao, Javier Bautista, Joseph J. Guido, Elaine L. Hill, Gary R. Morrow, Adam J. Doyle, Jennifer L. Ellis, Kathleen G. Raman, Michael C. Stoner, Roan J. Glocker - University of Rochester, Rochester, NY

7:12 am – 7:24 am 2 Endovascular Aneurysm Repair Cost Varies by Complication Type and Center but Not by Endograft Manufacturer
Zachary J. Wanenk, Spencer W. Trooboff, Barbara Gladders, Art Sedrakyan, Jesse A. COLUMBO, Bjoern D. Suckow, David H. Stone, Philip P. Goodney - Dartmouth-Hitchcock Medical Center, Lebanon, NH; The Dartmouth Institute, Lebanon, NH; Weill-Cornell Medical School, New York City, NY
8:04 am – 8:12 am  
7 (RF)  
**Underutilization of Non-Opioid Pain Medication in Patients Undergoing AAA Repair**  
John Phair*, Dov Levine*, Larry Scher*, Karan Garg* - Montefiore Medical Center, Bronx, NY; Albert Einstein College of Medicine, Bronx, NY

8:12 am – 8:24 am  
8  
**Endovascular Creation of an Arteriovenous Fistula with a Next Generation 4 Fr Device Design for Hemodialysis Access: Clinical Experience from the EASE Study**  
Todd Berland, Greg Westin, Jason Clement, Joe Griffin, Mike Sadek, Sheila Blumberg, Mike Barfield, Tom Maldonado - New York University, New York, NY

8:24 am – 8:35 am  
9  
**Management of Concomitant Vein Injury in the Setting of Military Popliteal Artery Trauma: Limb Outcomes Assessment**  
Jordan L. Guice, Shaun M. Gifford, Kai W. Hata, Xiaoming Shi, Brandon W. Propper, David S. Kauvar - San Antonio Military Medical Center, Fort Sam Houston, TX

8:35 am – 8:47 am  
10  
**System-Wide Analysis of Radiation use among Surgical Specialties: Identifying Where Vascular Surgeons Can Improve**  
Sharon C. Kiang*, Austin S. Huh*, Jessica R. Davis*, Hans K. Boggs*, Jon W. Floresca*, Donald V. Farley*, Ahmed M. Abou-Zamzam, Jr.*, Roger T. Tomihama* - Veterans Affairs Loma Linda Healthcare System, Loma Linda, CA; Loma Linda University Medical Center, Loma Linda, CA

8:47 am – 8:55 am  
11 (RF)  
**Contemporary Upper Extremity Vascular Injury in Combat**  
Matthew Vuoncino, Andrew J. Soo Hoo, Paul W. White, Todd E. Rasmussen, Joseph M. White - Walter Reed National Military Medical Center, Bethesda, MD

8:55 am – 9:03 am  
12 (RF)  
**A Systematic Review and Meta-Analysis Comparing Abdominal Aortic Aneurysm Repair Outcomes Between Obese and Non-Obese Patients**  
Ian Wee†, Hao Yun Yap‡, Edward Choke‡, Tze Tec Chong‡ - Yong Loo Lin School of Medicine, National University of Singapore, Singapore; Singapore General Hospital, Singapore

10:00 am – 12:00 pm  
**ROUND TABLE DISCUSSIONS**  
(Optional Programming)  
Registration Re-Opens  
Coffee Break

3:00 pm  
**SCIENTIFIC SESSION II**

3:30 pm – 4:00 pm

4:00 pm – 6:00 pm

4:00 pm – 4:12 pm  
13  
**Lowering the Ankle Brachial Index Threshold in Blunt Lower Extremity Trauma May Prevent Unnecessary Imaging**  
Jake F. Hemingway, Enock A. Adjei, Sarasiyhaa K. Desikan, Joel A. Gross, Nam T. Tran, Niten Singh, Elina Quiroga - University of Washington, Seattle, WA

4:12 pm – 4:24 pm  
14  
**Expedited Arteriovenous Graft Creation for the Super-Elderly Does Not Significantly Decrease Hemodialysis Catheter Time or Short-Term Morbidity**  

4:24 pm – 4:36 pm  
15  
**Impact of Staged Vascular Management on Limb Outcomes in Wartime Femoropopliteal Arterial Injury**  
David S. Kauvar†, Brandon W. Propper†, Zachary M. Artsurs†, Thomas J. Walters* - San Antonio Military Medical Center, Fort Sam Houston, TX; United States Army Institute of Surgical Research, Fort Sam Houston, TX

RF = Rapid Fire  
CR = Case Report
**SCIENTIFIC PROGRAM**

4:36 pm – 4:48 pm 16  Discharge to a Facility is Not Protective Against Wound Events Following Emergent Femoral Artery Repair
Joseph M. Anderson, Thomas Brothers, Jacob Robison, Mathew Wooster, Ravikumar Veeraswamy, Rupak Mukherjee, Jean M. Ruddy - Medical University of South Carolina, Charleston, SC

4:48 pm – 4:56 pm 17 (RF)  Penetrating Abdominal Aortic Injury: Comparison of Level I and II Trauma Centers
Brian M. Sheehan, Areg Grigorian, Shelley Maithel, Boris Borazjani, Nii -Kabu Kabutey, Roy Fujitani, Michael Lekawa, Jeffry Nahmias - University of California, Irvine Medical Center, Orange, CA

4:56 pm – 5:04 pm 18 (RF)  Use of Thrombolysis in Acute Lower Extremity Ischemia with Known Distal Target Vessel for Revascularization
Nicholas J Gargiulo, III - The Brookdale University Hospital & Medical Center, Mineola, NY

5:04 pm – 5:12 pm 19 (RF)  Anatomic Variation of the Phrenic Nerve and Brachial Plexus Encountered During 100 Supraclavicular Decompressions for Neurogenic Thoracic Outlet Syndrome with Associated Post-Operative Neurologic Complications
Scott R. Golarz¹, Joseph M. White² - ¹Temple University Hospital, Philadelphia, PA; ²Walter Reed National Military Medical Center, Bethesda, MD

5:12 pm – 5:24 pm 20  Optimal Timing of Carotid Endarterectomy in Symptomatic Patients
James Andersen, Kristyn Mannoia, Sheela Patel, Sharon Kiang, Christian Bianchi, Theodore H. Teruya, Ahmed Abou-Zamzam, Jr. - Loma Linda University Medical Center, Loma Linda, CA

5:24 pm – 5:36 pm 21  Analysis of Genetic Polymorphism of HLA-DRβ1 Alleles in Mexican Patients with Abdominal Aortic Aneurysms and Possible Associations with Susceptibility or Protection
Javier E. Anaya-Ayala¹, Manuel Garcia-Toca¹, Susana Hernandez-Dono¹, Monica Escamilla-Tilch³, Jose Marquez-Garcia³, Kemberly Hernandez-Sotelo¹, Julio Granados¹, Carlos A. Hinojosa¹ - ¹Instituto Nacional de Ciencias Medicas y Nutricion Salvador Zubiran, Mexico; ²Stanford University, Palo Alto, CA; ³Centro Medico Nacional 20 de Noviembre, ISSSTE, Mexico; ⁴Instituto Nacional de Enfermedades Respiratorias Ismael Cosío Villegas, Mexico

5:36 pm – 5:48 pm 22  Performance of Drug Technology in Patients with Critical Limb Ischemia Treated with Paclitaxel-Eluting Stents and Paclitaxel-Coated Balloons
Matthew Carnevale¹, John Phair², Karan Garg¹ - ¹Albert Einstein College of Medicine, Bronx, NY; ²Montefiore Medical Center, Bronx, NY

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*RF = Rapid Fire  CR = Case Report*
5:48 pm – 6:00 pm 23 Long-Term Proximal Aortic Remodeling Following Thoracic Endovascular Aortic Repair for Blunt Thoracic Aortic Injury
Emily H. Bero, Calvin T. Nguyen-Ho, Brian D. Lewis, William D. Foley, Cheong J. Lee - Medical College of Wisconsin, Milwaukee, WI

6:00 pm VESS MEMBER BUSINESS MTG.

7:00 pm Free Evening

Saturday, February 2, 2019

6:00 am – 7:00 am Continental Breakfast

6:00 am – 9:30 am Registration

7:00 am – 8:15 am SCIENTIFIC SESSION III

7:00 am – 7:12 am 24 Disparity in Outcomes after Revascularization for Critical Limb Ischemia Warrants Separate Reporting of Tissue Loss and Rest Pain
Anand Brahmandam¹, Navid Gholitabar², Jonathan Cardella¹, Naiem Nassiri¹, Alan Dardik³, Marc Georgi², Cassius Iyad Ochoa Chaar¹ - ¹Yale University School of Medicine, New Haven, CT; ²Catalyst Medical Consulting, Simpsonville, SC

7:12 am – 7:24 am 25 Operative Complexity and Prior Endovascular Intervention Negatively Impact Morbidity after Aortobifemoral Bypass in the Modern Era
Charles Decarlo, Laura Boitano, Emel Ergul, Samuel I. Schwartz, Robert T. Lancaster, Mark F. Conrad, Matthew J. Eagleton, W. Darrin Clouse - Massachusetts General Hospital, Boston, MA

7:24 am – 7:36 am 26 Obesity Should not Prevent Radiofrequency Ablation in C2 and C3 Venous Disease Patients
Peng Zhao, Mark D Balciuniuk, Isabelle Chu, Luke Cybulski, Adam J. Doyle - University of Rochester Medical Center, Rochester, NY

7:48 am – 7:56 am 28 (RF) Long-Term Quality of Life Comparison Between Supra and Infraclavicular Rib Resection in Patients with vTOS
Anahita Dua, Kara Rothenberg, Jason T. Lee - Stanford University, Menlo Park, CA

7:56 am – 8:04 am 29 (RF) Temporal Trends and Hospital Charges Associated with an Endovascular Approach for Acute Limb Ischemia
Courtenay M. Holscher, Joseph K. Canner, Jacqueline M. Garonzik Wang, Christopher J. Abularrage, James H. Black, III, Caitlin W. Hicks - Johns Hopkins University, Baltimore, MD

8:04 am – 8:12 am 30 (RF) Influence of Suprarenal Fixation on Perioperative Renal Outcomes after EVAR: Keep the Function you Still Have
SCIENTIFIC PROGRAM

8:15 am – 8:45 am  AWARD SESSION
Update from 2018 Winner(s)
- Travel Award
- Resident Research Award
- Early Career Faculty Award
2019 Award Winners
- Medtronic Vascular Resident Research Award
- VESS Early Career Faculty Research Award

8:50 am – 9:00 am  Introduction of the President
James Black, MD

9:00 am – 9:45 am  PRESIDENTIAL ADDRESS
Jonathan Eliason, MD

3:00 pm   Registration Re-Opens

3:30 pm – 4:00 pm  Coffee Break

4:00 pm – 6:00 pm  SCIENTIFIC SESSION IV
4:00 pm – 4:12 pm  31
Contemporary Outcomes of Peripheral Bypass Compared to Amputation in Octogenarians
Cheryl Richie, Daniel Davenport, Nathan T. Orr - University of Kentucky, Lexington, KY

4:12 pm – 4:24 pm  32
Renal Artery Coverage During EVAR for Ruptured AAA
Adam Tanious1, Laura T. Boitano1, Linda J. Wang1, Murray L. Shames2, Jason T. Lee3, Mathew J. Eagleton3, W. Darrin Clouse1, Mark F. Conrad1
- 1Massachusetts General Hospital, Boston, MA; 2University of South Florida, Tampa, FL; 3Stanford University, Stanford, CA

4:24 pm – 4:36 pm  33
The Reintervention Index a New Measure for Comparative Effectiveness of Lower Extremity Revascularization
Cassius Iyad Ochoa Chaar, Navid Gholitabar, Mara DeTrani, Saman Doroogdar, Haoran Zhuo, Yawei Zhang, Alan Dardik - Yale University, New Haven, CT

4:36 pm – 4:48 pm  34
Timing of Minor Amputation Following Lower Extremity Revascularization Impacts Healing Outcomes
Tia Sutton1, Sanya Lulla2, Sean Nasso1, Carlos Bechara3, Paul Crisostomo4, Pegge Halandras5, Michael Soult2, Bernadette Aulivola2 - 1Loyola University Chicago Stritch School of Medicine, Maywood, IL; 2Loyola University Medical Center, Maywood, IL

4:48 pm – 4:56 pm  35 (RF)
Lower Socioeconomic Status is Associated with Groin Wound Complications Following Revascularization for Peripheral Artery Disease
Saagar C. Bakshi, Amanda Fobare, Jaime Benarroch-Gampel, Victoria Teodorescu, Ravi R. Rajani - Emory University, Atlanta, GA

4:56 pm – 5:04 pm  36 (RF)
Utilization and Outcomes of Radial Artery Access for Lower Extremity Endovascular Intervention
Abhisekh Mohapatra, Zein M. Saadeddin, Efthymios D. Avgerinos, Georges E. Al-Khoury, Eric S. Hager, Mohammad H Eslami - University of Pittsburgh Medical Center, Pittsburgh, PA

5:04 pm – 5:12 pm  37 (RF)
Bilateral Iliac Vein Stenting Reduces Great and Small Saphenous Venous Reflux
Jesse Chat, Pavel Kibrik, Kevin Kenney, Ahmad Alsheekh, Yuriy Ostrozhynskyy, Anil Hingorani, Enrico Ascher, Sareh Rajaee - Vascular Institute of New York, Brooklyn, NY
5:12 pm – 5:24 pm 38 Opioid Consumption Following Carotid Revascularization
Mark D. Balenciuk, Peng Zhao, Isabelle V. Chu, Brian C. Ayers, Tianna M. Negron, Kathleen Raman, Jennifer L. Ellis, Adam J. Doyle, Roan J. Glocker, Michael C. Stoner - University of Rochester Medical Center, Rochester, NY

5:24 pm – 5:36 pm 39 Prolonged Door to Intervention Time is Not Associated with Inferior Outcomes for Ruptured AAAs
Frank M. Davis, Danielle C. Sutzko, Margaret E. Smith, Katherine Gallagher, Peter K. Henke, Nicholas H. Osborne - University of Michigan, Ann Arbor, MI

5:36 pm – 5:48 pm 40 Comparison of Perioperative Outcomes Following Iliac Branch Endoprostheses (IBE) Compared to Hypogastric Occlusion or Open Surgery for Elective Treatment of Aortoiliac Aneurysms in the NSQIP Database
Mario D'Oria, Bernardo Mendes, Katherine Bews, Jill Johnstone, Fahad Shuja, Manju Kalra, Thomas Bower, Gustavo Oderich, Randall DeMartino - Mayo Clinic, Rochester, MN

Mark Conant, James Brooks, Murray Shames, Jason T. Lee, Jeffrey Jim - University of South Florida, Tampa, FL; Stanford University, Stanford, CA; Washington University St. Louis, St. Louis, MO

5:56 pm – 6:04 pm 42 (RF) Vascular Access Types and Outcomes Vary Significantly by Race and Ethnicity
Timothy Copeland, Peter F. Lawrence, Karen Woo - UCLA, Los Angeles, CA

7:00 pm – 10:00 pm PRESIDENT’S DINNER

Sunday, February 3, 2019

6:30 am – 7:00 am Continental Breakfast
6:30 am – 9:00 am Registration
7:00 am – 9:00 am SCIENTIFIC SESSION V

7:00 am – 7:12 am 43 Selective Use of Anticoagulation or Dual Antiplatelet Therapy for Patients with Extra-Anatomic Bypasses
Victoria G. Teveris, Jesse Cebalbo, Peter Bartline, Philip Goodney, David Stone, Bjoern Suckow - Dartmouth-Hitchcock Medical Center, Lebanon, NH, University of Wisconsin, Madison, WI

7:12 am – 7:24 am 44 Sexual Harassment in Vascular Surgery Training Programs
Melanie Nukala, Mollie Freedman Weiss, Peter Yoo, Matthew R Smeds - Saint Louis University, Saint Louis, MO, Yale University, New Haven, CT

7:24 am – 7:36 am 45 Superior Short- and Long-Term Cardiovascular Morbidity and Mortality in Patients Undergoing PTFE Tibial/Peroneal Arterial Revascularization Compared to Primary Amputation
Nicholas J Gargiulo - The Brookdale University Hospital & Medical Center, Mineola, NY

7:36 am – 7:44 am 46 (RF) Ambulatory Status Following Major Lower Extremity Amputation
Katherine P. MacCallum, Patricia Yau, Karan Garg - Montefiore Medical Center, Bronx, NY
7:44 am – 7:52 am 47 (RF)

Virtual Histology of Human Arterial Wall Segments Using Microcomputed Tomography for Soft Tissue Imaging
Scott T. Robinson1, Ruth Levey1, Eimear Dolan1, David Connolly1, Marcus Chin1, Nicholas H. Osborne1, Peter Dockery1, Peter K. Henke2, Garry P. Duffy1, 1NUI Galway, Galway, Ireland; 2University of Michigan, Ann Arbor, MI

7:52 am – 8:00 am 48 (RF)

Ambulatory Patients Undergoing Above-Knee Amputation Have Significantly Higher Post-Operative Mortality Compared to Non-Ambulatory Patients
Patricia Yau1, Charles DeCarlo2, Katherine Maccallum1, Patricia Friedmann2, Larry Scher2, Saadat Shariff2, Evan Lipsitz1, Karan Garg1, 1Montefiore Medical Center, Bronx, NY; 2Massachusetts General Hospital, Boston, MA; 3Albert Einstein College of Medicine, Bronx, NY

8:00 am – 8:12 am 49

Early Real World Experience with Endoanchors Based on Indication
Vy T. Ho, Elizabeth L. George, Anahita Dua, Kedar S. Lavingia, Michael D. Sgroi, Michael D. Dake, Jason T. Lee - Stanford University, Stanford, CA

8:12 am – 8:24 am 50

Factors Associated with Amputation after Peripheral Vascular Intervention (PVI) for Intermittent Claudication in the Vascular Quality Initiate (VQI)
John C. Axley1, Zdenek Novak1, Salvatore T. Scalì1, Mark A. Patterson1, Benjamin J. Pearce1, Graeme E. McFarland1, Emily S. Spangler1, Marc A. Passman1, 1University of Alabama at Birmingham, Birmingham, AL; 2University of Florida College of Medicine, Gainesville, FL

8:24 am – 8:36 am 51

Digital Pedometer Based Outcome Monitoring for Patients Undergoing Intervention for Intermittent Claudication
Reid Ravin1, Ageliki Voyouka2, Rami Tadros3, Daniel Han2, Daniel Freme2, Peter Faries2, 1Mount Sinai West Hospital, New York, NY; 2Mount Sinai Hospital, New York, NY; 3The Cardiovascular Care Group, Livingston, NJ

8:36 am – 8:48 am 52

Midterm Outcomes of Nellix EVAS According to Revised Instructions For Use
Kevin N. Peek, Manar Khashram - Auckland District Health Board, Auckland, New Zealand

8:48 am – 9:00 am 53

Frailty Syndrome in Patients with Carotid Disease: Simplying How We Calculate Frailty
Viraj Pandit, Sandeep Jahjij, Ashton Lee, Bradley Trinidad, Kaoru Goshima, Craig Weinkauf, Wei Zhou, Tze-Woei Tan - University of Arizona, Tucson, AZ

9:00 am Annual Meeting Adjourns

Follow the Vascular and Endovascular Surgery Society (VESS) on:
TECHNOLOGY FORUM

2019 TECH EXCHANGE

The 2019 Technology Forum will focus on broad vascular pathology and will showcase some of the best that industry has to offer. In addition to highlighting aortic endografts, peripheral and embolization technology, and the latest in venous care, we will also showcase current and advanced capabilities in medical imaging.

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 as it relates to developments in the pipeline. It will also provide opportunity for intensive, hands-on experiences in a small group format that provides a granular experience for the participating physicians.

When planning your travel, be sure to arrive by mid-day Thursday to take advantage of this session.

DATE: Thursday, January 31, 2019
TIME: 2:30 pm - 5:30 pm

Note: This program is not eligible for CME credits.
SKI LIFT TICKETS

The Cliff Lodge has ski-in/ski-out access, an onsite ski rental/repair shop and complimentary ski lockers to add to your convenience. On behalf of our meeting attendees, special discounted rates for ski tickets have been secured through Snowbird Resort. Tickets may (and should) be reserved in advance. There is no guarantee that discounted tickets will be available after the January 14, 2019 deadline.

If you plan to begin skiing before Thursday, January 31, 2019, please be sure to indicate this on the registration questionnaire. Arrangements will be made to have your lift tickets available in advance. Otherwise, tickets will be available at the registration desk during regular meeting registration hours.

Children 6 and under are free.

TICKET PRICING

ADULT LIFT TICKETS (13+)

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<th>5 OUT OF 6 DAY LIFT TICKET</th>
<th>6 OUT OF 7 DAY LIFT TICKET</th>
<th>7 OUT OF 8 DAY LIFT TICKET</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>$55</td>
<td>$110</td>
<td>$150</td>
<td>$200</td>
<td>$225</td>
<td>$270</td>
<td>$315</td>
</tr>
<tr>
<td></td>
<td></td>
<td>$55/DAY</td>
<td>$50/DAY</td>
<td>$50/DAY</td>
<td>$45/DAY</td>
<td>$45/DAY</td>
<td>$45/DAY</td>
</tr>
</tbody>
</table>
MEETING REGISTRANT

First Name

Last Name

Institution

Address

City

State

Zip Code

Country

Daytime Telephone

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

REGISTRATION CATEGORY

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>EARLY BIRD FEE</th>
<th>REGISTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>VESS Member (Active or Senior)</td>
<td>$300</td>
<td>$350</td>
</tr>
<tr>
<td>Guest Physician (Non-Member)</td>
<td>$400</td>
<td>$450</td>
</tr>
<tr>
<td>SMVS Member (Active Duty)</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>VESS Candidate Member</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>Fellow*</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>Resident*</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>Medical Student*</td>
<td>$100</td>
<td>$150</td>
</tr>
<tr>
<td>Allied Health Professional</td>
<td>$200</td>
<td>$250</td>
</tr>
<tr>
<td>Spouse/Partner/Guest</td>
<td>N/C</td>
<td>N/C</td>
</tr>
</tbody>
</table>

* A letter from your institution is required for verification which must be faxed to the National Office at 978-927-7872 prior to the Annual Meeting.

SPOUSE/PARTNER/GUEST

If you are registering a spouse/guest, please provide their name below:

______________________________________________________________________________

TECHNOLOGY FORUM

There is no fee to attend the Technology Forum on Thursday, January 31, but registration is required.

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

PRESIDENT'S DINNER TICKETS

These tickets are for Saturday, February 2.

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>FEE</th>
<th># OF TICKETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adult Ticket</td>
<td>$75/each</td>
<td>________</td>
</tr>
<tr>
<td>Children (Ages 6-12)</td>
<td>$35/each</td>
<td>________</td>
</tr>
<tr>
<td>Children (Under 6)</td>
<td>N/C</td>
<td>________</td>
</tr>
</tbody>
</table>

Note: Children 6 and under ski free.

□ Please check here if you plan on skiing prior to Thursday, January 31.

Indicate early ski days: __________________________________________________

SKI LIFT TICKETS (SEE PREVIOUS PAGE FOR PRICES)

(A) = Adult (13+)  (C) = Child (7-12)

<table>
<thead>
<tr>
<th># OF TICKETS</th>
<th># OF TICKETS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Day Ticket</td>
<td>□ A ____ □ C ____</td>
</tr>
<tr>
<td>2-Day Ticket</td>
<td>□ A ____ □ C ____</td>
</tr>
<tr>
<td>3-Day Ticket</td>
<td>□ A ____ □ C ____</td>
</tr>
<tr>
<td>4-Day Ticket</td>
<td>□ A ____ □ C ____</td>
</tr>
<tr>
<td>5-Day Ticket</td>
<td>□ A ____ □ C ____</td>
</tr>
<tr>
<td>6-Day Ticket</td>
<td>□ A ____ □ C ____</td>
</tr>
<tr>
<td>7-Day Ticket</td>
<td>□ A ____ □ C ____</td>
</tr>
</tbody>
</table>

Please fax completed form to 978-927-7872 or mail to: 100 Cummings Center, Suite 124-A, Beverly, MA 01915
Register online at www.vesurgery.org!

Vascular & Endovascular Surgery Society
43\textsuperscript{rd} Annual Meeting | January 31 - February 3, 2019
Snowbird Resort | Snowbird, UT

www.vesurgery.org