

ADVANCE PROGRAM



WESTERN VASCULAR SOCIETY

34th Annual Meeting

Sept. 28 – Oct. 1, 2019

Fairmont Kea Lani

4100 Wailea Alanui Drive

Wailea, Maui Hawaii, United States 96753



York N. Hsiang, MB. ChB.,
MHSc., FRCSC

WELCOME

Dear Colleagues,

Greetings! It is my honor as the Western Vascular Society President to invite you to the 34th Annual Meeting of the Western Vascular Society, September 28 – October 1, 2019. The meeting will be held at the beautiful [Fairmont Kea Lani, Maui](#). As the largest vascular surgery scientific meeting on the West Coast, the event features original research and studies from our expert membership. Our accepted abstracts have one of the highest rates of publication in the Journal of Vascular Surgery.

It is my pleasure to announce the Presidential Guest Lecturer for 2019 is Thomas Forbes, M.D. the current Chair of Vascular Surgery at the University of Toronto. Dr. Forbes is a luminary in the field of vascular surgery, and he will be sure to engage the over 150 residents, fellows and vascular surgeons in attendance.

The meeting will begin on Saturday, September 28th with the Welcome Reception at 5:00 pm p.m. where we will offer a unique ePoster presentation to allow for maximum participation. Plenary sessions will continue on Sunday, Monday and Tuesday mornings. Continuing the tradition for residents to compete there will be a chance to win the Robert Hye Resident Award for best presentation. To make a donation to the fund please use this link [Robert Hye Memorial Resident Fund](#).

Golf and Tennis tournaments are being planned by the Local Arrangements Committee for Sunday afternoon. Optional activities and tours listed later in this program have been arranged to maximize the enjoyment of the gorgeous oceanside venue. Casual attire is encouraged for both social activities and scientific sessions in keeping with our philosophy that people learn more when they are comfortably free from ties and pretense.

Now is a great time to share the opportunity of membership with other vascular surgeons. Encourage them to join by inviting them to attend as your guest first, then sending them link to the [membership application](#). I look forward to welcoming you to Maui!

Sincerely,

York N. Hsiang, MB. ChB., MHSc., FRCSC.

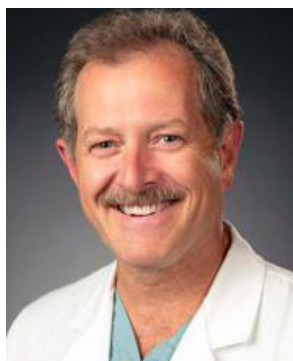
*Professor of Vascular Surgery at the University of British Columbia
Western Vascular Society President*



Thomas Forbes, MD, FRCS
University of Toronto,
Toronto, Ontario, Canada

WESTERN VASCULAR SOCIETY 2019 PRESIDENTIAL GUEST LECTURER

Dr. Forbes was appointed R. Fraser Elliott Chair and Division Head of Vascular Surgery at University Health Network in 2018 and has been Professor of Surgery and Chair of the Division of Vascular Surgery at the University of Toronto since 2014. He obtained his medical degree in 1990 from the University of Toronto and completed his general surgery and vascular surgery training at the University of Western Ontario. He is the Program Director of the Advanced Aortic Surgery Fellowship at the University of Toronto, a joint fellowship between vascular and cardiac surgery in open and endovascular therapies for thoracoabdominal aortic pathologies. Prior to returning to Toronto he was Chair/Chief of the Division of Vascular Surgery at the University of Western Ontario (2005-2014) and the inaugural Graduate Program Chair of the Masters of Science in Surgery program. He has published over 200 peer reviewed papers, editorials and book chapters and given over 100 invited lectures or guest professorships. His academic interests include clinical outcomes research as well as combining engineering principles with complex surgery with colleagues at CAVE (Centre for Applied Vascular Engineering). He is currently an Associate Editor of the Journal of Vascular Surgery and a member of several editorial boards, as well as being the Chair of the Document Oversight Committee of the Society for Vascular Surgery and Section Editor of Rutherford's Textbook of Vascular Surgery. Dr. Forbes is Co-Chair of the Clinical Advisory Committee of CorHealth Ontario which works to enhance cardiac, stroke and vascular care in the province of Ontario. He is also Past-President of the Canadian Society for Vascular Surgery, a former Residency Program Director and former vice-Chair of the Vascular Surgery Specialty Committee of the Royal College of Physicians and Surgeons of Canada.



Stephen P. Murray, MD, FACS

In 2019, we continue to raise the bar in practice as we plan the 34th Western Vascular Society Annual Meeting in Wailea Maui at the Fairmont Kea Lani, from September 28 – October 1, 2019. Abstract submission timeline is as follows: January 30 online submission site opens and this site closes April 15. The program committee will review the abstracts blinded, and meet May 13, 2019 to decide the program.

As the largest vascular surgery scientific meeting in the western region, the event features original research and studies from our expert membership. Our accepted abstracts have one of the highest rates of publication in the Journal of Vascular Surgery. In addition to the podium presentations this year, we will offer an afternoon CME session, as well as a unique ePoster presentation to allow for maximum participation.

We invite you to join us as vascular surgeons in a program dedicated to the advancement of our profession. Our scientific program represents an outstanding education opportunity and the best-in-class meeting location will foster member interaction and collaboration - truly the hallmarks of the WVS.

Sincerely,

Stephen P. Murray, MD, FACS
*Western Vascular Society
Program Chairman*

PROGRAM COMMITTEE MEMBERS

Dr. Stephen Murray, Chairman
Dr. York Hsiang, WVS President
Dr. Ben Starnes, WVS President Elect
Dr. Roy Fujitani, WVS Secretary Treasurer
Dr. Michael Conte, WVS Recorder
Dr. Vincent Rowe, WVS Program Committee Member (Chair 2020)
Dr. Venita Chandra, WVS Program Committee Member (Chair 2021)
Dr. Omid Jazaeri, WVS Program Committee Member (Chair 2022)



ROBERT HYE RESIDENT PRESENTATION AWARD

To honor his passion for vascular surgery and education his loved ones have requested we set up a Robert Hye Memorial fund through Western Vascular Society. Bob's work will live on through the fact he mentored many academic vascular surgeons on the West Coast. **Donate today** so accepted papers presented by surgery residents are eligible to win the \$1000 award.

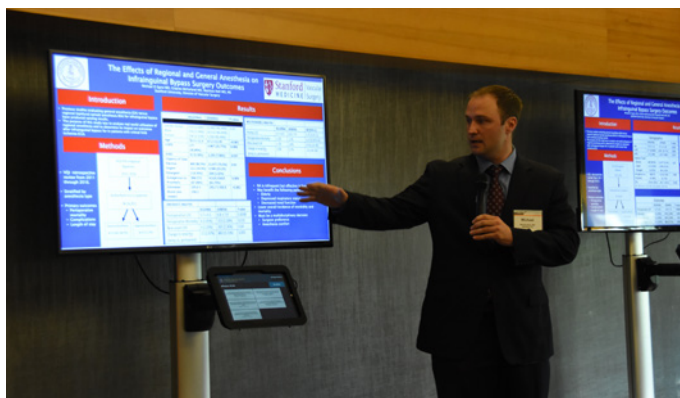
GENERAL INFORMATION

EDUCATIONAL OBJECTIVES & METHODS

The Western Vascular Society was established with the specific purpose of advancing the art and science of vascular surgery, a goal that directly addresses competence, practice performance, and patient outcomes. The majority of the educational content includes scientific presentations by members, sponsored guests, and residents, selected by the WVS Program Committee.

OVERALL LEARNING OBJECTIVES

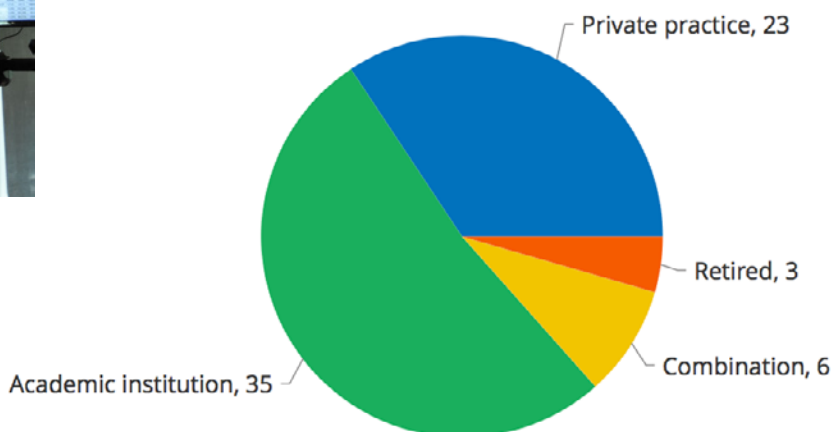
This activity is designed for: vascular surgeons, fellows, residents, and general surgeons who find the art and science of vascular surgery rapidly changing with respect to scientific discovery and surgical technology. Reflecting this rapid advancement, the meeting will feature oral scientific presentations by members, sponsored guests, and residents. Full learning objectives for this CME accredited program will be available after the scientific program is finalized. CME and Self Assessment credit hours for the program will be estimated and accessed by the American College of Surgeons in Joint providership with Western Vascular Society.



ePOSTER PRESENTATION SESSION

Returning this year – ePosters! Examine scientific posters and listen to presentations to see what other surgeons are finding through their research. ePosters are chosen from submitted abstracts for this tech savvy, fast paced session. The ePoster session is a great start to the meeting before the Welcome Reception on Saturday, September 28th.

ATTENDEES





34th Annual Meeting

Sept. 28 – Oct. 1, 2019

Fairmont Kea Lani | Wailea, Maui, HI



VENUE INFORMATION

FAIRMONT KEA LANI, MAUI

4100 Wailea Alanui Drive
Wailea, Maui, Hawaii
United States 96753

Welcome to Maui, the land where bliss comes naturally. The stunning coastline, warm waters, and cool breeze, typical of a tropical paradise are what mesmerize people who visit the island. The incredibly beautiful island of Maui is the second-largest Hawaiian Island blessed with an abundant rainforest on the eastern shore filled with a variety of exotic flora and fauna. The island's sandy beaches, fine surf, and luxurious resorts with opulent gardens, pools, restaurants, and golf courses, attract tourists from all over the world.

Fairmont Kea Lani is a luxury oceanfront all suite resort. There are six restaurants onsite ranging from the Fairmont Kea Lani's award-winning signature restaurant, KŌ, featuring Plantation Inspired Cuisine, to the casual poolside AMA BAR & GRILL featuring a taste of Hawaii's outrigger canoe lifestyle. We are confident that you will find every amenity expected from a world class resort.

WVS group rate for a one-bedroom suite (860-1100sq. ft.) is \$299 per night and can be booked <https://aws.passkey.com/go/westernvascularsociety>

TEL: +1 808 875-4100

FAX: +1 808 875-1200

EMAIL: info@kealani.com

TRAVEL

The Kahului Airport (OGG) is located 17 miles (27 km) from the Fairmont Kea Lani, Maui hotel. Travel time is approximately 30 minutes. You can get a taxi or UBER right outside the door of the arrival terminal. All major car rentals are available at the airport and you can also rent a car at the AVIS in the hotel.

For information, pricing or reservations for airport transfer, car rentals or transportation services, please contact the Fairmont concierge at 808-875-2290 or email info@kealani.com

Please allow yourself extra time at the airport when you are leaving as service is slower at peak departure times.

GROUND TRANSPORTATION

For your convenience we have a custom shuttle portal for Western Vascular Society 2019. [Use this link to book your ride in advance.](#)

- Shared ride (11 passenger Mercedes shuttle): \$24.70
- Exclusive shuttle (up to 11 guests): \$180.00
- Sedan (up to 3 guests): \$222.00
- SUV (up to 4 guests): \$242.00

SpeediShuttle provides shared ride airport transportation in Mercedes shuttles at a per person rate of \$24.70 one way, \$46.93 round trip (10% discount on return when booked together) between OGG the Fairmont Kea Lani. Guests with prearranged arrival reservations are met in the baggage claim area, then directed to their waiting shuttle. Vehicle amenities include complimentary Wi-Fi, 6'1" headroom, three point seat restraints, adjustable headrests and roomy comfortable seats.



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Fairmont Kea Lani | Wailea, Maui, HI



COMPANION PROGRAM

Companions and spouses are an important part of the Western Vascular Society family. The following social events are scheduled concurrently with the scientific program. Sunday and Monday breakfast will be held at 9:00am. Sunday's breakfast will feature a speaker who will share the highlights of the resort. As in previous years, the guest registration includes the Saturday night Welcome Reception, Sunday Happy Hour Casual Dinner on the Polo Lawn, Monday night's cocktail reception followed by a plated dinner with entertainment at the Presidential Banquet. On Tuesday (?Monday) morning, companions and attendees can attend a free beach yoga and meditation class.

OPTIONAL EVENTS

EVERYDAY

E Ala E Traditional Hawaiian Sunrise Chant when we face east and ask the sun to wake up and rise over the mountain.

Hawaiian Canoe Experience

Learn the basics of paddling, along with the history of the canoe and its importance to Hawaiian culture during this popular 1-hour ocean adventure. Our 6 man outrigger canoe holds 2 staff paddlers plus 4 guests (ages 10+) on each excursion. Offered Monday through Friday at 7am, 8am, 9am and 10am from Polo Beach.

For the young and the young at heart...

Hawaiian Culture Selfie Scavenger Hunt

Grab your smart phone or camera and a hotel map and have fun discovering the resort by completing this self-guided scavenger hunt. Once you solve all 10 clues, you will be rewarded with a tasty treat from Caffè Ciao Bakery + Market. If posting your selfies to social media accounts, feel free to tag @FairmontKeaLani or #FairmontKeaLani. Details available at the Front Desk.

Fish Feeding at the Koi Pond

Meet at the bottom of the grand staircase off the Lobby to help feed breakfast to the hotel's koi fish. Daily at 9am.

Torch Lighting Ceremony

Children of all ages are invited to join our torch lighter for a tiki torch lighting ceremony with conch shell blowing. Nightly at sunset from Lower Pool. Concierge Desk has all the details on the daily happenings at the venue.

info@kealani.com | 808-875-4100



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OPTIONAL EVENTS

SATURDAY

In addition to the Welcome Reception and the ePoster Session in the Exhibit Hall we will have a presentation titled The Great Kilauea Eruption of 2018.

Dr. Steve Lundblad from the Geology Department of the University of Hawai'i at Hilo specializing in carbonate sedimentology and geochemistry. He is also co-director of the UH-Hilo geoarchaeology lab, an NSF-funded geochemistry lab predominantly studying the provenance and exchange of basaltic stone tools in pre-contact Hawai'i. He grew up in Yakima, WA in the shadow of Mt. St. Helens, and the 1980 eruption helped guide him on his academic path. After receiving his Ph.D. from UNC-Chapel Hill, he moved back home to teach at Central Washington University for 8 years before moving to Hilo.

SUNDAY

Golf Tournament

Captains Choice Golf Scramble will be arranged for Sunday afternoon at **Wailea Golf Club**. Maui's award-winning Wailea Golf Club, located just minutes from the Fairmont Kea Lani Resort, is one of the largest and most acclaimed golf facilities in Hawaii. Featuring three championship courses, two full-service pro shops and the finest outdoor training facility in the Pacific, Wailea Golf Club is rated among the best golf courses in the country by both Golf Magazine and Golf Digest. Cost to participate is \$150 which includes green fees, lunch and transportation. Club rentals can be arranged for an additional fee.

Tennis Tournament

Bring your racket and join the tradition of the WVS tennis round robin doubles tennis fun! Great prizes will be awarded at the Presidential Banquet. The fee is \$30 per player and includes a racket and water.



SUNDAY

National Park Crater Geology Tour

Haleakalā National Park is on the Hawaiian island of Maui. It's home to the dormant Haleakalā Volcano and endangered Hawaiian geese. The Leleiwi and Kalahaku overlooks on the steep Crater Road have views across the West Maui Mountains. Rugged trails in the Summit District pass cinder cones and lava flows. In the coastal area of Kipahulu are the Pools of Ohe'o, freshwater pools and waterfalls set amid bamboo forest. Group will be carpooling from the lobby at 1:00pm. There is a \$25 charge for this event.

MONDAY

Alii Nui Afternoon Snorkel Trip

Sign up when you register for the group adventure Monday, September 30, 2019

(Coral Gardens or coastal location)

<https://www.aliinuimaui.com/snorkeling>

Departing from Maalaea Harbor, slip#56

Returning to Harbor at 4:00pm

Pick up for 24 passengers will be at the Fairmont Group Entrance at 11:55pm and return to resort by 4:30pm

Cost will be \$99.00 per Adults & \$69.00 per Child (4-12 yrs)

Will include: Hot & cold appetizers, Open bar, Premium complimentary equipment, towels and sunscreen and a spacious covered cabin for shade. Add this to registration early as there are only 24 spaces available.





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OPTIONAL EVENTS



TUESDAY

Group Exercise

Stress management is vital for professional development. Come and learn new tools to help you be your best. On Tuesday, there will be a group gentle yoga class and guided meditation at 7:00am. Soak up the great energy of Maui by greeting the morning on the beach. Class will be led by a certified yoga instructor for this 45-minute session.

WHAT TO PACK?

Weather in Maui in September is average 80 degrees during the day with evenings low down to 66 degrees. Packing is a breeze for this meeting and you will be comfortable in smart casual clothes for the scientific sessions and receptions. Ties are not required, and in fact discouraged. Hotel restaurants do not have a dress code. Comfortable Hawaiian shirt or dress, walking shoes and a light jacket are always a good idea.

Membership Information

Please feel free to invite a guest physician when you register for the meeting. After attending the Western Vascular Society Annual Meeting they will be eligible to become a member. Check out the [join WVS page](#) for all the details!



CONTACT INFORMATION

Heather Roderick

Executive Director

Western Vascular Society

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*34th Annual Meeting***Sept. 28 – Oct. 1, 2019**

Fairmont Kea Lani | Wailea, Maui, HI

SCHEDULE AT A GLANCE**Saturday, September 28, 2019**

11:00 am – 8:00 pm	Registration , Makai Desk
11:00 am – 4:00 pm	Executive Council Meeting , Lehua Office
1:00 pm – 6:00 pm	Exhibit Set-Up , Pikake & Protea
7:00 pm – 9:00 pm	Past President's Dinner (Invitation Only), Ko Garden
5:00 pm – 7:00 pm	ePoster Session and Industry Reception , Royal Fountain Terrace
8:00 pm – 11:45 am	Scientific Session Set-Up , Hibiscus

Sunday, September 29, 2019

6:30 am – 1:00 pm	Registration , Makai Desk
7:00 am – 8:00 am	Breakfast , Pikake & Protea
7:00 am – 11:45 am	Exhibits , Pikake & Protea
7:45 am – 12:10 am	Scientific Session , Hibiscus
8:00 am – 9:30 am	Companion Breakfast , TBD
8:00 am – 1:00 pm	Breakout , Plumeria
1:00 pm – 3:30 pm	Tennis Tournament
1:00 pm – 4:30 pm	National Park Geology Tour
1:00 pm – 5:00 pm	Golf Tournament
6:00 pm – 8:00 pm	Dinner Buffet , Adult Pool Lawn

Monday, September 30, 2019

6:30 am – 1:00 pm	Registration , Makai Desk
7:00 am – 8:00 am	Breakfast , Pikake & Protea
7:00 am – 8:00 am	Group Yoga on the Beach
7:00 am – 11:45 am	Exhibits , Pikake & Protea
7:50 am – 12:00 pm	Scientific Session , Hibiscus
8:30 am – 9:30 am	Companion Breakfast
12:00 pm – 4:00 pm	Snorkeling Tour
11:10 am – 12:00 pm	WVD Business Meeting
3:00 pm – 6:00 pm	Mock Orals , Orchid
6:00 pm – 7:00 pm	Private President's Reception , Lobby Mezzanine
6:30 pm – 9:00 pm	Reception and Dinner , Palm Court

Tuesday, October 1, 2019

7:00 am – 8:00 am	Breakfast , Pikake & Protea
7:00 am – 11:45 am	Exhibits , Pikake & Protea
7:50 am – 12:10 pm	Scientific Session , Hibiscus
12:10 pm – 12:20 pm	Awards , Hibiscus



SCIENTIFIC PROGRAM

SATURDAY, SEPT 28, 2019

11:00am - 8:00pm	Registration
1:00pm - 4:00pm	Executive Council Meeting
5:00pm - 7:00pm	ePoster Sessions & Industry Reception - Moderator: Stephen Murray, MD
5:00-5:06pm	P1 Temporal Patterns of Local and Systemic Inflammation Following Vascular Intervention Thomas A. Sorrentino, MD, <i>University of California San Francisco</i>
5:06-5:12pm	P2 Comparison of Celiac Artery Coverage With Versus Without Revascularization In Thoracic Endovascular Aortic Repair (TEVAR): A Systematic Review and Meta-analysis Lixin Wang, MD, <i>University of Washington</i>
5:12-5:18pm	P3 Characterization of Non-syndromic Familial Type B Aortic Dissection Jasmine Rah, BA, <i>University of Washington</i>
5:18-5:24pm	P4 Incidence and Risk Factors of Septicemia in Hemodialysis Patients in the United States Satinderjit Locham, MD, <i>University of California San Diego</i>
5:24-5:30pm	P5 Quantification of Suprarenal Aortic Neck Dilation Following Fenestrated Endovascular Aneurysm Repair Kenneth Tran, MD, <i>Stanford University Medical Center</i>
5:30-5:36pm	P6 Early Tevar for Acute Type B Dissection is Associated with Increased Complications - Results From The GREAT Registry Gregory A. Magee, MD MSc, <i>University of Southern California</i>
5:36-5:42pm	P7 Ultrasound-guided Cyanoacrylate Injection for the Treatment of Incompetent Perforator Veins Alexa Mordhorst, MD, <i>University of British Columbia</i>
5:42-5:48pm	P8 Predictors and Outcomes of Endoleaks After Endovascular Abdominal Aortic Aneurysm Repair (EVAR) Julia Fayanne Chen, MD, <i>University of Texas Southwestern Medical Center</i>
5:48-5:52pm	P9 The Snuffbox Arteriovenous Fistula: A Single Surgeon Experience Sitaram V. Chivukula, MD, <i>Rush University Medical Center</i>
5:52-5:58pm	P10 Routine Involvement of Vascular Surgery in an Extracorporeal Membrane Oxygenation (ECMO) Program Decreases Complications Jason Q. Alexander, MD, <i>University of Southern California</i>
5:58-6:04pm	P11 The New Global Limb Anatomic Staging System (GLASS) for CLTI: Assessment of its Utility in Two Limb Preservation Centers Devin S. Zarkowsky, MD, <i>University of California San Francisco</i>
6:04-6:10pm	P12 Same Day ICU Discharge is Safe and Feasible in Selected Patients with Severe Submassive Pulmonary Embolism Treated with Catheter-Directed Thrombolysis Jaideep Das Gupta, MD, <i>University of New Mexico</i>

SUNDAY, SEPT 29, 2019

6:30am - 1:00pm	Registration
7:00am - 8:00am	Breakfast
7:00am - 11:45am	Exhibits
8:00am - 9:30am	Companion Breakfast
7:45am - 8:00am	Welcome & Orientation - York Hsiang, MB.ChB., MHSc., FRCSC



SCIENTIFIC PROGRAM

SUNDAY, SEPT 29, 2019

8:00am - 9:30am	Scientific Session I: PAD Moderators: York Hsiang, MB.ChB., MHSc., FRCSC, and Michael Conte, MD
8:00-8:20am	1 Natural History of Acute Pediatric Iliofemoral Artery Thrombosis Treated with Antithrombotic Therapy* Joel L. Ramirez, <i>University of California, San Francisco</i> Invited Discussant: Vincent Rowe, MD
8:20-8:40am	2 Outcomes of Femoral Artery Ligation for Treatment of Infected Femoral Pseudoaneurysms Due to Drug Injection Elina Quiroga, MD, MPH, <i>University of Washington</i> Invited Discussant: Stephen Cheng, MD
8:40-9:00am	3 Characterization and Association with Outcomes Of Ischemia-reperfusion Events After Open Mesenteric Bypass for Chronic Mesenteric Ischemia* Jeffrey D. Crawford, MD, <i>Oregon Health and Sciences University</i> Invited Discussant: Mark Nehler, MD
9:00-9:20am	4 The Impact of Hemoglobin A1c on Outcomes Following Lower Extremity Bypass* Ashton Lee, MD, <i>Banner University Medical Center Tucson</i> Invited Discussant: Marlene Grenon, MD
9:20-9:30am	5 Small-caliber Vein Graft Bypass for Achieving Wound Healing in Chronic Limb Threatening Ischemia Patients with High Wifi Clinical Stage Keisuke Miyake, MD, <i>Osaka University Medical School</i>
9:30am - 10:00am	Coffee Break with Exhibits
10:00am - 10:05am	Introduction of the Keynote - WVS President Dr. York Hsiang
10:05am - 11:00am	Presidential Guest Lecturer - Thomas L. Forbes, MD, FRCSC, FACS
11:00am - 12:10pm	Scientific Session II: Aortic Moderators: York Hsiang, MB.ChB.,MHSc.,FRCSC, and Venita Chandra, MD
11:00-11:20am	6 Natural History and Cause-Specific Mortality of Type B Aortic Dissection* Lisa Hysa, BS, <i>University of Washington</i> Invited Discussant: Ali Azizzadeh, MD
11:20-11:40am	7 Prevalence of Abdominal Aortic Aneurysms in the United States- Reevaluating the Screening Guidelines* Kelli L. Summers, MD, <i>Louisiana State University</i> Invited Discussant: Matthew Mell, MD
11:40-12:00pm	8 Endovascular Repair of Ruptured Abdominal Aortic Aneurysm is Superior to Open Repair: Propensity Matched Analysis in the Vascular Quality Initiative* Linda J. Wang, MD, MBA, <i>Massachusetts General Hospital</i> Invited Discussant: Benjamin W. Starnes, MD
12:00-12:10pm	9 Cost-effectiveness Analysis of Fenestrated Endovascular Aortic Repair Compared to Open Surgical Repair for Patients with Juxtarenal Abdominal Aortic Aneurysms Elizabeth L. George, MD, <i>Stanford University</i>
1:00 - 3:30pm	Tennis Tournament
1:00 - 4:30pm	National Park Geology Tour
1:00 - 5:00pm	Golf Tournament
6:00 - 8:00pm	Dinner Buffet



SCIENTIFIC PROGRAM

MONDAY, SEPT 30, 2019

- | | |
|--------------------------|--|
| 6:30am - 1:00pm | Registration |
| 7:00am - 8:00am | Breakfast |
| 7:00am - 11:45am | Exhibits |
| 7:00am - 8:00am | Group Yoga on the Beach |
| 8:00am - 9:30am | Companion Breakfast |
| 7:50am - 9:30am | Scientific Session III: Carotid
Moderators: York Hsiang, MB.ChB.,MHSc.,FRCSC, and Stephen Murray, MD |
| 7:50-8:00am | 10 Bilateral Iliac Branch Endoprosthesis with Ipsilateral Internal Iliac Deployment
Jason R. Hurd, MD, <i>University of Washington</i> |
| 8:00-8:20am | 11 In-Hospital Outcomes of TransCarotid Artery Revascularization with Dynamic Flow Reversal (TCAR) in Patients with Contralateral Carotid Artery Occlusion*
Hanaa Dakour-Arudi, MD, <i>University of California San Diego</i>
Invited Discussant: Adnan Rizvi, MD |
| 8:20-8:40am | 12 Delayed Carotid Endarterectomy After Admission in Symptomatic Carotid Artery Disease is Associated with Lower Postoperative Stroke Rates in the Medicare Population*
Nathan Itoga, MD, <i>Stanford University Medical Center</i>
Invited Discussant: Steven Katz, MD |
| 8:40-8:50am | 13 Novel Modification to Leaded Eyewear Results in Significant Operator Eye Radiation Dose Reduction Compared to Standard Leaded Glasses During Fluoroscopically-Guided-Interventions
Melissa L. Kirkwood, MD, <i>The University of Texas Southwestern Medical Center</i> |
| 8:50-9:00am | 14 The Physical Toll of Working in Operating Rooms: A Survey of the Canadian Society of Vascular Surgery
Gautamn Sarwal, MD, <i>University of British Columbia</i> |
| 9:00-9:10am | 15 Virtual Reality can Reduce Anxiety During Office-Based Vascular Procedures
Michael B. Brewer, MD, <i>Kaiser Permanente Innovation Studio</i> |
| 9:10-9:30am | 16 Patient Risk Factors Associated with Embolic Stroke Volumes Following Revascularization
Cody Kraemer, MD, <i>University of Arizona</i>
Invited Discussant: Mark Sarfati, MD |
| 9:30am - 10:00am | Coffee Break with Exhibits |
| 10:00am - 11:10am | Scientific Session IV: Other
Moderators: York Hsiang, MB.ChB.,MHSc.,FRCSC, and Roy Fujitani, MD |
| 10:00-10:20am | 17 Five Hundred Rib-sparing Scalenelectomies for the Treatment of Neurogenic Thoracic Outlet Syndrome
Kaj Johansen, MD, PhD, FACS, <i>Swedish Heart & Vascular Institute</i>
Invited Discussant: Jason Lee, MD |
| 10:20-10:40am | 18 Complete Transaxillary Resection of Fully Formed Cervical Ribs is Safe and Effective: Outcomes from 22 Years of Experience with Long Term Follow-up*
Rameen S. Moridzadeh, MD, <i>University of California, Los Angeles</i>
Invited Discussant: Omid Jazaeri, MD |
| 10:40-10:50am | 19 The Periumbilical Incision for Anterior Lumbar Interbody Fusions
Sherwin Abdoli, MD, <i>Huntington Memorial Hospital</i> |



SCIENTIFIC PROGRAM

MONDAY, SEPT 30, 2019

- | | | |
|-------------------|----|---|
| 10:50-11:10am | 20 | Reevaluating the Safety and Effectiveness of the 0.9 Ankle-Brachial Index Threshold in Penetrating Lower Extremity Trauma*
Jake Hemingway, MD, <i>University of Washington</i>
Invited Discussant: Kaj Johanson, MD |
| 11:10-11:20am | 21 | Retroperitoneal Repair of Suprarenal Abdominal Aortic Aneurysm and Right Common Iliac Artery Aneurysm After Previous Infraarenal Abdominal Aortic Aneurysm Repair
William Quinones-Baldrich, MD, <i>UCLA Medical Center</i> |
| 11:20am - 12:00pm | | WVS Business Meeting |
| 12:00pm - 4:00pm | | Snorkeling Tour |
| 6:00pm - 7:00pm | | Private President's Reception |
| 6:30pm - 9:00pm | | Reception & Dinner |

TUESDAY, OCT 1, 2019

- | | | |
|------------------|----|--|
| 7:00am - 8:00am | | Breakfast |
| 7:00am - 11:45am | | Exhibits |
| 7:30am - 9:30am | | Scientific Session V: Other
Moderators: Benjamin W. Starnes, MD and Vincent Rowe, MD |
| 7:30-7:50am | 22 | Association of Aberrant Subclavian Arteries with Aortic Pathology and a Novel Classification System
Anastasia Plotkin, MD, <i>University of Southern California</i>
Invited Discussant: Sherene Shalhub, MD |
| 7:50-8:00am | 23 | Vascular Surgery is Complex but Undervalued by Work Relative Value Units
Joel L. Ramirez, <i>University of California, San Francisco</i> |
| 8:00-8:20am | 24 | Medical Complexity of Patients by Surgical Specialty: Who Operates on the Sickest Patients?*
Rameen S. Moridzadeh, MD, <i>University of California, Los Angeles</i>
Invited Discussant: Christian deVirgilio, MD |
| 8:20-8:30am | 25 | Hospital Volume Impacts the Outcomes of Endovascular Repair of Thoracoabdominal Aortic Aneurysms
Satinderjit Locham, MD, <i>University of California San Diego</i> |
| 8:30-8:50am | 26 | Anatomic Eligibility for Commercial Branched Endograft Repair of Thoraco-abdominal Aortic Aneurysms*
Natasha I. Edman, MA, <i>University of Washington</i>
Invited Discussant: Jason Faulds, MD |
| 8:50-9:00am | 27 | Outcomes of Post-stent Ballooning After Transcarotid Artery Revascularization (TCAR)
Hanaa Dakour-Aridi, MD, <i>University of California San Diego</i> |
| 9:00-9:20pm | 28 | Long-term Stroke Risk with Carotid Endarterectomy in Patients with Severe Carotid Stenosis
Kara A. Rothenberg, MD, <i>Stanford University</i>
Invited Discussant: Larry Kraiss, MD |
| 9:20-9:30am | 29 | Greater Curvature-based Instead of Centerline-based Measurement Improves Endograft Sizing Accuracy for Thoracic Endovascular Aortic Repair in the Aortic Arch
William Yoon, MD, <i>University of California-Davis Medical Center</i> |
| 9:30am - 10:00am | | Coffee Break with Exhibits |



SCIENTIFIC PROGRAM

TUESDAY, OCT 1, 2019

10:00am - 11:40am Scientific Session VI: Other

Moderators: Benjamin W. Starnes, MD and Omid Jazaeri, MD

- | | | |
|---------------|----|---|
| 10:00-10:10am | 30 | Staged Endovascular and Surgical Repair of a Mycotic Descending Thoracic Aortic Aneurysm
William Quinones-Baldrich, MD, <i>UCLA Medical Center</i> |
| 10:10-10:20am | 31 | Evolving Utility of Endovascular Treatment of Pararenal and Suprarenal Abdominal Aortic Aneurysms Resulting in Higher Mortality
Areg Grigorian, <i>University of California, Irvine</i> |
| 10:20-10:40am | 32 | Association of Upper Extremity and Neck Access with Stroke in Endovascular Aortic Repair*
Anastasia Plotkin, MD, <i>University of Southern California</i>
Invited Discussant: Nikhil Kansal, MD |
| 10:40-10:50am | 33 | Partial Resuscitative Endovascular Balloon Occlusion of the Aorta Via the Gore Tri-Lobe Balloon
Daniel Lammers, MD, <i>Madigan Army Medical Center</i> |
| 10:50-11:10am | 34 | Antegrade Common Femoral Artery Closure Device Use is Safe and Associated with Decreased Complications*
Joel L. Ramirez, <i>University of California, San Francisco</i>
Invited Discussant: Niten Singh, MD |
| 11:10-11:30am | 35 | Long Term Outcomes of the Ovation Stent Graft System IDE Trial for Endovascular Abdominal Aortic Aneurysm Repair
Andrew Barleben, MD, <i>University of California, San Diego</i>
Invited Discussant: Christian Bianchi, MD |
| 11:30-11:40am | 36 | Endovenous Deep Vein Valve Creation for the Treatment of Chronic Venous Insufficiency
Gary K. Yang, PhD, MD, <i>University of British Columbia</i> |

11:40am - 11:50am Awards and Adjournment - WVS President, Benjamin W. Starnes, MD

**indicates that the paper is eligible for the Robert Hye Memorial Best Resident Award*



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• Invited Guest Physician	\$425	\$
• Resident/Fellow	\$175	\$
• Allied Health Professional	\$275	\$
• Medical Student (stipend application)	\$0	\$
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