THE PREMIER CONFERENCE FOR THE
ASSOCIATION OF PHYSICIAN ASSISTANTS IN CARDIOVASCULAR SURGERY

APACVS

33rd Annual Winter Educational Meeting

ORLANDO

JANUARY 23-26, 2014
www.APACVS.org

PHOTO: VISIT ORLANDO

CONFERENCE PROGRAM
We understand that close collaboration of Heart Surgeons and Physician Assistants is what has led to optimal patient outcomes.

A third element, the VASOVIEW EVH device, provides ease-of-use and clinical benefits that help your team to achieve true SURGICAL SYNCHRONY — that special teamwork in which the whole exceeds the sum of its parts.

SUR.GI.CAL SYN.CHRO.NY noun \Def\: 1(MD) + 1(PA) + 1(EVH) = an optimal outcome.

Welcome from the President

It is my pleasure to welcome you to the 33rd Annual APACVS Winter Educational Meeting. I want to thank the CME Committee and the meeting chairs for putting together a slate of nationally renowned speakers who will present, over the next three and a half days, cutting-edge topics in cardiac, vascular, and thoracic surgery and critical care. We are also featuring at this meeting our state-of-the-art Thoracoscopic First Assistant Course. This course will be proctored by national experts in thoracoscopic surgery and will offer attendees an opportunity to practice with minimally invasive thoracoscopic instruments, stapling devices, and camera technology used in minimally invasive thoracic surgery. Attendees will also practice thoracoscopic lobectomy on a simulator during this course. Additionally, we are offering the Cardiac Surgery Unit Advanced Life Support Course (CSU-ALS). We have brought in one of the European cardiothoracic surgeons who developed this course to train you in these critical resuscitation skills.

These meetings are not possible without the support of the many corporate sponsors you will meet in the exhibit hall and at the Lunch and Learns. Please take time during the breaks to thank them for their support of this meeting and of our association. During the meeting, some of you will be asked to participate in focus groups so that we may learn more about what is important to our audience and to our members, to allow us to better serve you in the future. Thank you in advance for taking the time to give us your feedback regarding the general meeting as well as participating in these groups. The CME committee reviews all feedback after every meeting and uses this feedback to guide development of future programs. Also feel free to stop me or any members of the Board and let us know your thoughts and ideas—pro or con—we want your feedback. Thanks again for joining us in sunny Orlando. I hope you enjoy the meeting.

David E. Lizotte, Jr., PA-C, MPAS, FAPACVS
President, APACVS
**GENERAL INFORMATION**

**CARIBBEAN REGISTRATION DESK**

<table>
<thead>
<tr>
<th>Day</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Thursday</td>
<td>0630 – 1800</td>
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<td>Friday</td>
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<td>Saturday</td>
<td>0630 – 1800</td>
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<tr>
<td>Sunday</td>
<td>0630 – 1300</td>
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**CONTINENTAL BREAKFAST**

Breakfast will be available daily in either the Caribbean Ballroom Foyer or in Caribbean Ballroom V. Check the Program at a Glance on Page 9.

<table>
<thead>
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<th>Day</th>
<th>Hours</th>
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<tr>
<td>Thursday - Saturday</td>
<td>0630 – 0830</td>
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<tr>
<td>Sunday</td>
<td>0700 – 0830</td>
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**DIDACTIC SESSIONS**

Didactic/lecture sessions will be held in the Convention Center in Caribbean Ballroom VI /VII.

**EXHIBIT HALL HOURS**

<table>
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<th>Day</th>
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<tr>
<td>Thursday</td>
<td>1500 – 1700</td>
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<td>Friday &amp; Saturday</td>
<td>0700 – 1700</td>
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**EVALUATIONS**

Evaluations should be returned at the end of each day to the Registration Desk.

**MESSAGE BOARD**

A message board will be located in the registration area for messages, posting information, and networking.

**COMPLIMENTARY SHUTTLE SERVICE**

The Caribe Royale offers complimentary shuttle service to all four Walt Disney World® theme parks, as well as evening shuttles to Downtown Disney for dining and entertainment. They also have shuttles going to the Orlando Premium Outlets and the Lake Buena Vista Factory Stores. Stop at the Bellstand to make arrangements.

**THORACOSCOPIC FIRST ASSIST COURSE**

This year’s TFA course is being held at the Florida Hospital Nicholson Center, an advanced medical learning facility known around the globe for its leading-edge clinical and surgical technique training. Transportation will be provided for registered attendees of this course.
CME CREDITS

This program has been reviewed and is approved for a maximum of 27.0 hours of Category 1 CME credit by the American Academy of Physician Assistants (AAPA) Review Panel. Physician Assistants should claim only those hours actually spent in the CME activity.

APACVS CME VISION

The meeting you are currently experiencing is the result of an ongoing strategic planning effort by the APACVS Board and CME Committee to provide members and members of the team superior evidence-based lectures and hands-on interactive training experiences. APACVS is striving to be the leader in providing accredited surgical and critical care CME to cardiac, vascular and thoracic surgery and critical care Physician Assistants.
2014 DISTINGUISHED FACULTY

S. Scott Balderson, PA-C
Surgical Physician Assistant, Cardiovascular and Thoracic Surgery, Duke University School of Medicine, Durham, NC

Mark Berry, MD
Assistant Professor in the section of General Thoracic Surgery at Duke University Medical Center, Durham, NC

Norman Brooks, MBA
Founder and principal of Lee-Brooks, a national consulting firm specializing in regulatory compliance and reimbursement strategies for CT Surgery practices

Alfred Casale, MD
Associate Chief Medical Officer, Geisinger Health System, Danville, PA

Joseph Costa, DHSc, PA-C
Chief PA of Thoracic Surgery and Lung Transplantation at Columbia University Medical Center, Manhattan, NY

Traves Crabtree, MD
Associate Professor of Surgery, Division of Cardiothoracic Surgery, Washington University School of Medicine, St. Louis, MO

Thomas d’Amico, MD
Chief, Section of General Thoracic Surgery, Vice Chair of Surgery, Chief Medical Officer of Duke Cancer Institute, Duke University School of Medicine, Durham, NC

Sanjay Doddamani, MD
Chief of Advanced Cardiac Disease/Heart Failure Program, Geisinger Medical Center, Danville, PA

Anthony Furnary, MD
Director of Providence Health & Services Cardiovascular Disease Study Group; COO of Starr-Wood Cardiac Group, Portland, OR

Shawn M. Gage, PA-C
Sr. Vascular Surgery Physician Assistant, Duke Univ. Medical Center, Durham, NC

Steve Gottesfeld, PA-C
Physician Assistant, Sharp Rees Stealy Medical Group, San Diego, CA

Lawrence Herman, MPA, PA-C, DFAAPA
President of the American Academy of Physician Assistants (AAPA); tenured associate professor and chairperson in the Dept. of Physician Assistant Studies, New York Institute of Technology

John Hodgson, MD
Interventional Cardiology, MetroHealth Medical Center, Cleveland, OH

Kimberly Howard, PA-C
Surgical Physician Assistant, Cardiovascular and Thoracic Surgery, Duke University School of Medicine, Durham, NC

Kenneth Kesler, MD
Surgical Director, Indiana University Thoracic Oncology Program, Indianapolis, IN

Sorosh Kiani, MD
Resident in Internal Medicine at Univ. of VA; Research Associate in the Dept. of Cardiac & Thoracic Surgery at Univ. of AZ

Jeffrey H. Lawson, MD, PhD
Professor of Surgery, Professor in Pathology, Duke University Medical Center, Durham, NC

Adrian J. Levine, MD
Cardiac surgeon, University Hospital of North Staffordshire, Staffordshire, UK

S. Jill Ley, RN, MS, CNS
Clinical Nurse Specialist for cardiac surgery at CA Pacific Medical Center, San Francisco, CA

David Lichtman, PA-C
Director of Central Procedure Services, The Johns Hopkins Hospital, Baltimore, MD

Donald Likosky, MD
Associate Professor in the Dept. of Cardiac Surgery at the Univ. of Michigan, Ann Arbor, MI
2014 DISTINGUISHED FACULTY

Jeremiah Martin, MD
Assistant Professor of Surgery, division of Cardiothoracic Surgery, University of Kentucky Medical Center, Lexington, KY

Joseph T. McGinn, Jr., MD
Medical Director, Heart Institute of New York; Dir. of Cardiothoracic Surgery & Chairman, Dept. of Surgery at Staten Island University Hospital, New York

Shari Meyerson, MD
Associate Professor of Surgery, Northwestern University, Thoracic Surgeon, Northwestern Memorial Hospital, Chicago, IL

Daniel L. Miller, MD
Chief of General Thoracic Surgery and Dir. of Clinical Research for Wellstar Healthcare System, Marietta, GA

Melissa Obmann, DO, FACS
Associate in Endovascular and Vascular Surgery, Geisinger Wyoming Valley Medical Center, Wilkes-Barre, PA

Deepak Singh, MD
Director of Cardiothoracic Surgery, Geisinger Northeast, and Director of Mechanical Circulatory Support for Geisinger Heart Institute, Danville, PA

Peter K. Smith, MD
Professor and Chief of Cardiothoracic Surgery at Duke University, Durham, NC

Kevin Stephens, MD
 Associate Staff Physician and Radiation Oncology Clinical Research Director at the Cleveland Clinic, Cleveland, OH

Greg Thomas, PA, MPH
Consultant with NCCPA on topics related to education of maintenance of certification

Eric Toloza, MD, PhD
Department of Thoracic Surgery, Moffitt Cancer Center, Tampa, FL

Steven Yang, MD
Professor of Surgery and Oncology at The Johns Hopkins University School of Medicine, Baltimore, MD

Heather Prichard, PhD
Biomedical Engineer; Director of Early Clinical Development for Humacyte

Robert Poston, MD
Medical Director, Adult and Robotic Cardiac Surgery Program; Professor of Surgery, University of Arizona, Tucson, AZ

Kenneth Serio, MD
Co-Director of the Intensive Care Unit at Scripps Green Hospital, LaJolla, CA

K. Robert Shen, MD
Associate Professor of Surgery and Consultant at Mayo Clinic, Rochester, MN
Thursday, January 23, 2014

0630-0830  Breakfast ................................................................. Caribbean Ballroom Foyer
0700-0730  President’s Address .................................................. Caribbean Ballroom VI/VII
0730-0830  Susan Lusty Excellence in Publication Award ................. Caribbean Ballroom VI/VII
0730-1200  Cardiac Surgical Unit Adv. Life-Support (CSU-ALS) - Part 1  Boca I - IV
0830-0930  Advanced Topics in Endovascular Surgery .................. Caribbean Ballroom VI/VII
0930-1000  AM Break .................................................................. Caribbean Ballroom Foyer
1000-1200  Heart Failure Symposium:
            Update on Medical & Surgical Management of Heart Failure .................. Caribbean Ballroom VI/VII
1200-1400  Lunch & Learn: MAQUET Medical Systems .............. Martinique Ballroom
1200-1400  Lunch & Learn: Biomet Microfixation ...................... Sierra Ballroom C
1400-1830  CSU-ALS Course - Part 2 .......................................... Boca I - IV
1500-1600  Break with Exhibitors ............................................... Caribbean Ballroom V
1600-1700  Management of Surgical Bleeding & Thrombosis .................. Caribbean Ballroom VI/VII
1700-1800  Current Treatment of Carotid Stenosis ...................... Caribbean Ballroom VI/VII
1900-2130  Dinner & Learn: Ethicon US LLC ............................... Martinique Ballroom

Friday, January 24, 2014

0630-0830  Breakfast ................................................................. Caribbean Ballroom V
0730-0830  CAD: IVUS and FFR to Guide Surgical Decision Making  Caribbean Ballroom VI/VII
0730-1130  Thoracoscopic Surgical First Assistant Course - AM Session  Nicholson Center
0830-1200  The APACVS Endoscopic Vein Harvesting Panel of Experts .................................................. Caribbean Ballroom VI/VII
1000-1030  Break with Exhibitors ............................................... Caribbean Ballroom V
1200-1400  Lunch & Learn: Terumo Cardiovascular Systems .......... Martinique I
1300-1700  Thoracoscopic Surgical First Assistant Course - PM Session  Nicholson Center
1400-1500  CABG: The Future of MICS and Hybrid Approach .................. Caribbean Ballroom VI/VII
1500-1600  Update in TAVR Therapy ........................................... Caribbean Ballroom VI/VII
1600-1630  Break with Exhibitors ............................................... Caribbean Ballroom V
1630-1730  NCCPA Update .......................................................... Caribbean Ballroom VI/VII
1900-2200  Sea World Social Event—open to all attendees .................. Sea World
**PROGRAM AT A GLANCE**

**Saturday, January 25, 2014**

0630-0830  Breakfast  ................................................................. Caribbean Ballroom V
0730-0830  Pleural Effusions: Presentations, Workup and Differential  .................. Caribbean Ballroom VI/VII
0730-1200 Cardiac Surgical Unit Adv. Life-Support (CSU-ALS) - Part 1  .................. Boca I - IV
0830-0930  Surgical Management of Pleural Effusions  .................................. Caribbean Ballroom VI/VII
0930-1000 Break with Exhibitors  ....................................................... Caribbean Ballroom V
1000-1100  Early Stage Esophageal Cancer & High-Grade Barrett’s Esophagus.  ........ Caribbean Ballroom VI/VII
1100-1200  Chest Wall Tumors, Reconstruction, & Congenital Anomalies  ............ Caribbean Ballroom VI/VII
1200-1400  Lunch & Learn: AtriCure, Inc. ................................................. Sierra Ballroom D
1200-1400  Lunch & Learn: ConvaTec, Inc. ................................................ Sierra Ballroom F
1400-1830 CSU-ALS Course - Part 2  ....................................................... Boca I - IV
1600-1630  Break with Exhibitors  ......................................................... Caribbean Ballroom V
1630-1730  Mediastinal Masses: Presentation, Workup, Surgical Mgmnt. .................. Caribbean Ballroom VI/VII

**Sunday, January 26, 2014**

0630-0830  Breakfast  ................................................................. Caribbean Ballroom Foyer
0700-0800  APACVS Membership Meeting  .............................................. Caribbean Ballroom VI/VII
1100-1130  AM Break  ................................................................. Caribbean Ballroom Foyer
1130-1230  Prevention & Treatment of Post-op Complications in the ICU. ............ Caribbean Ballroom VI/VII

**THANK YOU**

APACVS would like to recognize and offer thanks to the hardworking 2014 CME Program Committee.
Co-Chairs:
Douglas W. Long, PA-C, FAPACVS
Laura Sirgedas, PA-C
CME Committee Chair:
Steven M. Gottesfeld, PA-C
Thursday, January 23, 2014

0730-0830
Susan Lusty Excellence in Publication Award Presentation: Physician Assistant Model for Lung Procurements: A Paradigm Worth Considering
Joseph Costa, DHSc, PA-C
Participants will be able to understand and appreciate why a new organ procurement paradigm is needed in the future; understand and list salient reasons a PA lung procurement model is valuable and should be embraced; summarize how a PA lung procurement model can help address the future shortage of cardiothoracic surgeons; explain how the PA lung procurement model may positively impact lung transplant outcomes.

0830-0930
Advanced Topics in Endovascular Surgery
Melissa Obmann, MD
Participants will be able to review the current literature trends in Endovascular Surgery in relationship to open procedures; review and discuss the indications for Endovascular treatment of Aortic disease; review and discuss the indications when to proceed with Endovascular treatment of Peripheral Arterial Disease.

1000-1200
Heart Failure Symposium – Medical Management
Sanjay Doddamani, MD and Deepak Singh, MD
Participants will be able to review the indications for home infusion medications in Advanced Heart Failure; review the latest treatment goals for Heart Failure; review and discuss the indications for Ventricular Assist Device Treatment; review the indications for Ventricular Assist Device Therapy as a bridge to transplant versus destination therapy.

1400-1500
Tissue Engineered Vascular Grafts: Development, Preclinical Testing & Early Clinical Experience
Heather Prichard, PhD
Participants will be able to understand: the limitations of current clinically used vascular graft material; the structure of tissue engineered vascular grafts; and how newly developed vascular grafts are tested prior to first-in-man implants.

1600-1700
The Management of Surgical Bleeding & Thrombosis
Jeffrey H. Lawson, MD, PhD
Participants will be able to understand the physiology of hemostasis; discuss/review the current laboratory and clinical measurements of the hemostatic process; review current hemostatic techniques to prevent blood loss during surgical procedures; review current treatments to treat derangements in the hemostatic system during surgery.

1700-1800
Current Treatment of Carotid Stenosis: Surgery, Stent or Drugs?
Shawn M. Gage, PA-C
Participants will be able to review the pathophysiology of carotid artery stenosis; review the current indications to perform carotid endarterectomy; review the current indications to perform carotid artery stenting.

Cardiac Surgical Unit - Advanced Life Support (CSU-ALS)

0730-1200
Part I
Jill Ley, RN, MS, CNS; Adrian Levine, MD
Participants will be able to define and differentiate Advanced Cardiac Life Support (ACLS) versus Cardiac Surgery Unit Advanced Life Support (CSU-ALS); identify the rationale for modifying ACLS in the post-op open heart patient; discuss strategies to improve in-hospital resuscitation outcomes.

1400-1830
Part II
Jill Ley, RN, MS, CNS; Adrian Levine, MD

Friday, January 24, 2014

0730-0830
CAD – Using IVUS and FFR to Guide Surgical Decision Making
John Hodgson, MD
Participants will be able to review the indications and patient selection to perform Intra-Vascular Ultrasound and Fractional Flow Reserve in the Cardiac Catheterization Lab; review how to interpret the results on Fractional Flow Reserve; review current literature in Intra-Vascular Ultrasound and Fractional Flow Reserve results for CABG.

0830-1200
Endoscopic Vein Harvesting Panel
Robert Poston, MD; Anthony Furnary, MD; Peter K. Smith, MD; Soroosh Kiani, MD; Donald Likosky, MD
Participants will be able to review the indications, benefits, risks, and alternatives to endoscopic vein harvesting; to review the most current peer reviewed published studies involving the benefits of endoscopic vein harvesting; to review the most current peer reviewed published studies involving the complications as it relates to endoscopic vein harvesting; to review current techniques to prevent associated complications of endoscopic vein harvesting.

1400-1500
CABG – The Future of MICS and Hybrid Approach
Joseph T. McGinn, Jr., MD
Participants will be able to review the indications, benefits, risks, and alternatives to Minimally Invasive Cardiac Surgery-CABG; to review the current intra-operative techniques needed to perform Minimally Invasive Cardiac Surgery-CABG; to review the patient selection for a Hybrid approach to dealing with Coronary Disease.

1500-1600
Update in TAVAR Therapy
Deepak Singh, MD
Participants will be able to review the current guidelines for patient selection in Percutaneous Aortic Valve Replacement; review the current literature in regards to short-term and long-term outcomes; review the peri-operative management following TAVAR.

1630-1730
NCCPA Update
Greg Thomas, PA-C
Participants will be able to understand the role of the Cardiovascular and Thoracic CAQ in recertification and practice; understand the implications and requirements of the new 10-year certification maintenance cycle; understand implications and requirements of Self-Assessment and PI-CME.
EduCATIONAL MEETING SESSIONS

Thoracoscopic First Assist Course
0730-1200
Morning Session
Thomas D'Amico, MD; Shari Meyerson, MD; Mark Berry, MD; Jeremiah Martin, MD; Kimberly Howard, PA-C; S. Scott Balderson, PA-C
Participants will be able to develop a deeper understanding of the role of the First Assistant in Thoracoscopic surgery; the use of the various available instruments and equipment in Thoracoscopic surgery; hands-on training/experience as a First Assistant.

1300-1730
Afternoon Session
Thomas D'Amico, MD; Shari Meyerson, MD; Mark Berry, MD; Jeremiah Martin, MD; Kimberly Howard, PA-C; S. Scott Balderson, PA-C

Saturday, January 25, 2014
0730-0830
Pleural Effusions: Presentations, Work-up and Differential
David Lichtman, PA-C
Participants will be able to review pleural effusion pathophysiology; describe the various types of pleural effusions and their etiologies; list diagnostic and laboratory studies used to differentiate various types of pleural effusions; understand the role of transthoracic ultrasonography in diagnosing and treating pleural effusions.

0830-0930
Surgical Management of Pleural Effusions
Eric Toloza, MD, PhD
Participants will be able to understand indications and contraindications for surgical intervention in the setting of pleural effusion; review types of effusions requiring surgical intervention including empyema, malignant effusion, hemothorax and chylothorax; discuss complications of surgery for pleural effusions.

1000-1100
Early-Stage Esophageal Cancer & High-Grade Barrett’s Esophagus
Daniel L. Miller, MD
Participants will be able to review staging and criteria for diagnosis of early-stage esophageal cancer and Barrett’s esophagus; discuss indications and contraindications to non surgical intervention of above diagnoses; discuss long-term outcomes of above-mentioned therapies in terms of cancer-free survival.

1100-1200
Chest Wall Tumors, Reconstruction and Congenital Anomalies
K. Robert Shen, MD
Participants will be able to list the different malignant and non malignant chest wall tumors and defects; review various strategies and approaches to chest wall mass resection and reconstruction; discuss types of reconstruction materials used including soft tissue and synthetic material to stabilize chest wall.

1400-1600
Lung Cancer Debate: SBRT (Radiation Therapy) for Early-Stage Lung Cancer vs. Surgery for Early-Stage Lung Cancer
Kevin Stephens, MD and Traves Crabtree, ME
Participants will be able to list differences between RFA and SBRT; discuss long-term outcomes of patients undergoing radiation alone vs. surgery for early-stage lung cancer; discuss current treatment strategies for early-stage lung cancer; review contraindications and indications for radiation therapy alone for early-stage lung cancer; list differences between RFA and SBRT.

1630-1730
Mediastinal Masses: Presentation, Work-up and Surgical Management
Kenneth Kesler, MD
Participants will be able to list the most common types of mediastinal masses; describe surgical approaches to mediastinal mass resections; role of EBUS and surgical biopsy in the diagnosis of mediastinal masses and how this directs therapy.

Cardiac Surgical Unit - Advanced Life Support (CSU-ALS)
0730-1200
Part I
Jill Ley, RN, MS, CNS; Adrian Levine, MD
Participants will be able to define and differentiate Advanced Cardiac Life Support (ACLS) versus Cardiac Surgery Unit Advanced Life Support (CSU-ALS); identify the rationale for modifying ACLS in the post-op open heart patient; discuss strategies to improve in-hospital resuscitation outcomes.

1400-1830
Part II
Jill Ley, RN, MS, CNS; Adrian Levine, MD

Sunday, January 26, 2014
0800-1100
Affordable Healthcare Act Symposium
Kenneth Serio, MD; Norman Brooks; Larry Herman, MPA, PA-C, DFAAPA; Steven Gottesfeld, PA-C
Participants will be able to review the Affordable Health Care Act as it relates to practicing providers in cardiac, thoracic, vascular surgery, and critical care; to review the latest evidence-based billing recommendations in the era of healthcare reform; to review PA specific advantages, risks, and limitations to practice in the era of healthcare reform.

1130-1230
Treatment and Prevention of Postoperative Complications in the Intensive Care Unit
Alfred Casale, MD
Participants will be able to review and discuss the common complications and morbidities following Cardiac Surgery; review and discuss the current literature in prevention of post-operative complications following Cardiac Surgery; review and discuss the development of surgical pathways to decrease ICU complications.
Send in your abstracts now for the APACVS Winter Educational Meeting!

Reception Building Overview:

- Lower Level
  - The Falls Lounge
  - The Cyber Zone/BEST BUY Express
- Atrium West
- The Venetian Room
- CAYMAN
- BARBADOS
- SIERRA BOARDROOM (Upper Level)
- Café Largo
- The Tropicale Restaurant
- LOBBY (Upper Level)
- MARTINIQUE BALLROOM

Send abstracts to:

Dr. Jane Doe
APACVS Winter Meeting
PO Box 1234
City, State 12345
Email: apacvs@gmail.com

Abstract Submission Deadline: December 31, 2023

Registration Open:
- Early Bird Registration: $150
- Regular Registration: $200
- Student Registration: $100

Call for Presenters:
- Plenary Sessions
- Poster Sessions
- Workshops

APACVS Winter Meeting 2024
City, State
January 1-3, 2024

Contact:
APACVS
123 Main Street
City, State 12345
Phone: 555-1234
Fax: 555-5678
Email: apacvs@organization.com

Visit us online at: www.apacvs.org

Important Notes:
- Abstracts must be submitted via the online portal.
- Presenters must register for the conference to present their abstracts.
- Late registration fees will apply.

APACVS Winter Meeting 2024
City, State
January 1-3, 2024

Send your abstracts in now for the APACVS Winter Educational Meeting!
AtriCure
AtriCure is intent on reducing the global Afib epidemic and healing the lives of those affected through clinical science, education and innovation. We are a leading Afib solutions partner with the only FDA-approved surgical treatment for Afib and most widely implanted occlusion device for left atrial appendage management.

Baylor Health Care System
Nationally recognized as a leader in health care, Baylor Health Care System, located in Dallas/Fort Worth, offers limitless career opportunities. Its 15 hospitals and over 100 clinics allow mobility between environments and specialties. Wherever you want your career and life to take you, we’ll help you get there.

Biomet Microfixation
Biomet Microfixation is a leading global healthcare provider of orthopedic products. Our thoracic portfolio includes the Pectus Bar for repair of Pectus Excavatum and the SternaLock Blu Primary Closure System for sternal closure. The Blu System aligns and stabilizes the sternum after sternotomy and enables easier closure after minimally invasive access.

Baycare Medical Group
HealthPoint Medical Group is one of the largest multi-specialty groups in Tampa Bay, with over 170 physicians in more than 40 locations. HealthPoint Management Services provides executive, administrative, business office, and other practice management services to HealthPoint Medical Group to allow providers to focus on giving excellent patient care.

Carolinas Healthcare System
Carolinas HealthCare System (CHS), one of the nation’s leading and most innovative healthcare organizations, provides a full spectrum of healthcare and wellness programs throughout North and South Carolina. Our diverse network of more than 650 care locations includes academic medical centers, hospitals, healthcare pavilions, physician practices, destination centers, surgical and rehabilitation centers, home health agencies, nursing homes, and hospice and palliative care.
**THANK YOU TO OUR SPONSORS AND EXHIBITORS**

**ConvaTec Inc.**
ConvaTec is a leading developer and marketer of innovative medical technologies, including AQUACEL® Ag SURGICAL cover dressing. As the only cover dressing to incorporate unique patented Hydrofiber® Technology it helps improve outcomes by locking in fluid, including harmful bacteria, and releasing ionic silver to help reduce the risk of infection.

**CompHealth**
CompHealth prides itself on having the best people to help provide the best healthcare. A leader in the healthcare staffing industry, CompHealth is dedicated to providing permanent placement and temporary staffing of physician assistants to quality healthcare facilities nationwide. Visit our website, www.comphealth.com

**ETHICON™ Biosurgery**
ETHICON™ Biosurgery offers the most comprehensive portfolio of hemostasis solutions which includes EVICEL®, Fibrin Sealant, SURGIFLO® Hemostatic Matrix, EVITHROM®, SURGIFOAM® Family, SURGICEL® Family, and INSTAT®.

**HCA North & West Florida**
HCA North & West Florida Division is a family of exceptional hospitals throughout North, West & Central Florida, each with their own unique attributes and flourishing communities. Our hospitals are a place of excellence because of our expert staff, cutting-edge facilities, thorough training programs, and our commitment to serve.

**KLS-Martin**
KLS-Martin, a responsive company, is focused on the development of innovative products for oral, plastic and craniomaxillofacial surgery. New product developments in our titanium osteosynthesis plating systems allow these products to be used for rapid sternal fixation and reconstruction.

**LEXION Medical**
LEXION Medical, a leader of innovative medical technologies improving patient safety, offers humidified warm gas via the Insuflow® Gas Conditioning System for all thoracic and abdominal laparoscopic procedures, VesselGuardian® for desiccation-free saphenous vein harvesting and PneuVIEW®XE Smoke Elimination System.

**MAQUET Medical Systems**
MAQUET Medical Systems, USA is a global market leader focused on improving patient care and quality of life. We offer a comprehensive portfolio of products designed to provide future-oriented technology to meet the needs of clinical professionals in the areas of: surgery, cardiac intervention, perfusion, anesthesia, and respiratory.

**Scanlan International**
Highest-quality surgical products designed and manufactured by the Scanlan family since 1921. Over 3,000 surgical instruments in titanium and stainless steel including: NEW D’Amico Mediastinoscopy Biopsy Forceps, VATS Instruments, NEW MEMORY Dilators, LEGACY Needle Holders and Forceps, and Single-Use Products.

**Sorin Group USA**
Sorin Group is a global medical device company and a leader in the treatment of cardiovascular diseases. We develop, manufacture and market medical technologies for cardiac surgery and for the treatment of cardiac rhythm disorders. Sorin Group is dedicated to providing our customers with state-of-the-art devices, extensive services, and support.

**Terumo Cardiovascular Systems**
Whether surgical or interventional, disposable, or implantable, common-place or custom, Terumo products are used daily in a wide range of cardiac and vascular procedures. Terumo Cardiovascular Systems develops, manufactures and distributes products for surgical teams, including cardiopulmonary bypass and intraoperative monitoring, endoscopic vein harvesting, and vascular grafts.

**Vidant Medical Center**
Vidant Medical Center, one of four academic centers in North Carolina, is the flagship hospital for Vidant Health and serves as the teaching hospital for the Brody School of Medicine at East Carolina University. Vidant Medical Center is a fully accredited JCAHO hospital and is a 909-bed tertiary referral center, providing acute, intermediate, rehabilitation, and outpatient health services to more than 1.4 million people in 29 counties.

**Vitalitec International**
Vitalitec Geister will be presenting the SLS-Clip™ Manual Ligation System, Intrack® Atraumatic Temporary Clamps and Inserts, and Cygnet® Flexible Clamps. The Greyhound™, Novaclip™ and Sofia™ bulldogs. The Geister® brand of high-quality Micro Instruments and ValveGate® MIS CV Instruments will be highlighted. Innovative, high-quality products with excellent service.
The handoff.
Be confident what you’re passing along is of the highest quality.

Your vessel harvest is done, but the impact of the conduit quality on cardiac bypass outcomes is just beginning.

The new VirtuoSaph® Plus Endoscopic Vessel Harvesting System helps deliver a conduit you can have confidence in every time.

- Simple, one-step coagulate-and-cut mechanism delivers low targeted energy at the tunnel wall away from the main conduit
- Advanced spot cautery provides direct cauterization in the tunnel
- Longer effective dissector length with V-Glide PTFE surface
- Open system and ergonomic design just like the original VirtuoSaph system

There’s an ongoing need to improve conduit quality. The VirtuoSaph Plus EVH system is the answer.

Visit www.terumo-cvs.com/vsplus to find out more.