FIRST ANNUAL
WESTERN REGION
CARDIOVASCULAR SYMPOSIUM

Hilton San Francisco Financial District
750 Kearny Street, San Francisco, California 94108

Thursday, January 19, 2017
8:00 AM – 5:00 PM

Friday, January 20, 2017
8:00 AM – 2:15 PM

Registration and Exhibition Hall opens at 7:00am on both days

This activity was supported by an educational grant from Novartis Pharmaceuticals Corporation.
A Special Thank You to our
Cardiovascular Symposium Sponsors

BioTelemetry
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ZOLL LifeVest
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<tr>
<th>Time</th>
<th>Presentation Title</th>
<th>Faculty</th>
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| 7:00am - 8:00am   | Registration, Heart Healthy Breakfast, Exhibitors                                 | Rea Anne Arcangel, BSN, MBA  
                     |                                                                  | Carol Ann Satler, M.D., Ph.D.  
                     |                                                                  | American Heart Association/ American Stroke Association  
                     |                                                                  | Greater Bay Area Board of Directors                               | Grand Ballroom |
| 8:00am - 8:15am   | Welcome & Opening Remarks                                                          | Rea Anne Arcangel, BSN, MBA  
                     |                                                                  | Carol Ann Satler, M.D., Ph.D.  
                     |                                                                  | American Heart Association/ American Stroke Association  
                     |                                                                  | Greater Bay Area Board of Directors                               | Grand Ballroom |
| 8:15am - 9:00am   | Regionalized Systems of Care for STEMI Treatment  
                     | Demonstrate the clinical and operational benefits of a regionalized STEMI program.  
                     | Timothy Henry, MD  
                     |                                                                  | Cedars-Sinai Medical Center  
                     |                                                                  | Los Angeles, CA                                                  | Grand Ballroom |
| 9:00am - 9:45am   | Taking the Failure Out of Heart Failure  
                     | Develop system of care to manage heart failure patients and reduce readmissions.  
                     | Paul Heidenreich, MD  
                     |                                                                  | Stanford Health Care  
                     |                                                                  | Stanford, CA                                                    | Grand Ballroom |
| 9:45am - 10:00am  | Break, Exhibitors                                                                  |                                                                       |                     |
| 10:00am - 10:45am | Reducing Heart Failure Readmissions  
                     | Define strategies and practical approaches to reduce hospital readmissions due to heart failure.  
                     | James Heywood, MD, FACC  
                     |                                                                  | Scripps Health  
                     |                                                                  | San Diego, CA                                                  | Grand Ballroom |
| 10:45am - 11:00am | Travel to Breakout Session                                                         |                                                                       |                     |
| 10:50am - 11:35am | Treatment of Shock-Refractory Ventricular Fibrillation Cardiac Arrest  
                     | Describe the current pharmacologic approaches to managing shock-refractory ventricular fibrillation cardiac arrest and their limitations.  
                     | Peter Kudenchuk, MD  
                     |                                                                  | UW Medicine  
                     |                                                                  | Seattle, WA                                                   | Grand Ballroom |
| 10:50am - 11:35am | The Adult with Congenital Heart Defects  
                     | Recognize congenital heart disease in the adult using targeted basic and advanced imaging to assess disease course and indications for intervention.  
                     | Anthony McCanta, MD  
                     |                                                                  | CHOC Children's  
<pre><code>                 |                                                                  | Orange, CA                                                   | Mason 1 &amp; 2 |
</code></pre>
<p>| 11:55am - 11:40am | Travel back to General Session                                                     |                                                                       |                     |</p>
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<th>Time</th>
<th>Presentation Title</th>
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<tr>
<td>11:40am - 12:25pm</td>
<td>Heart Failure Preserved Ejection Fraction:</td>
<td>James Heywood, MD, FACC</td>
<td>Grand Ballroom</td>
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<td>New Insights and Management Strategies</td>
<td>Scripps Health</td>
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<td>• Distinguish the clinical presentation, diagnosis, and treatment strategies of heart failure preserved ejection fraction from those of heart failure with reduced ejection fraction.</td>
<td>San Diego, CA</td>
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<td>12:25pm - 12:30pm</td>
<td>The WHY: Stories from the Heart</td>
<td>Michael Ryan</td>
<td>Grand Ballroom</td>
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<td>American Heart Association / American Stroke Association</td>
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<td>Heart Ambassador &amp; Survivor</td>
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<td>12:30pm - 12:35pm</td>
<td>Target: BP</td>
<td>Sang-Mi Oh, MHA</td>
<td>Grand Ballroom</td>
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<td>• Launched in 2015, Target: BP helps to improve blood pressure control and build a healthier nation.</td>
<td>American Heart Association / American Stroke Association</td>
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<td>12:35pm - 1:30pm</td>
<td>Heart Healthy Lunch, Exhibitors</td>
<td>Mia Fairbanks, RN, CEN</td>
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<td>Contra Costa EMS</td>
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<td>Martinez, CA</td>
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<td>1:30pm - 2:15pm</td>
<td>Panel: Best Practices for STEMI Treatment (Pre-Hospital, Receiving Center, Referring Center)</td>
<td>James Heywood, MD, FACC</td>
<td>Grand Ballroom</td>
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<td>• Coordinated strategies and protocols should exist amongst regional hospitals that direct EMS routing as well as timely transfer of eligible STEMI patients to a PCI facility.</td>
<td>Scripps Health</td>
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<td>San Diego, CA</td>
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<td>Peter Kudenchuk, MD</td>
<td>Mason 1 &amp; 2</td>
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<td>UW Medicine</td>
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<td>Seattle, WA</td>
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<td>2:15pm - 2:20pm</td>
<td>Targeted Temperature Management: When, Where, and Why</td>
<td>Ronald Todd Peterson, DO</td>
<td>Mason 1 &amp; 2</td>
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<td>• Targeted temperature protocols are a key component of cardiac arrest care and are developed from recommendations on the basis of all available evidence.</td>
<td>San Joaquin Community Hospital</td>
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<td>Bakersfield, CA</td>
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<td>Travel back for Breakout Session</td>
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## DAY 1: Thursday, January 19, 2017

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| 2:20pm - 3:05pm | Pharmacological Management of Heart Failure  
- Overview of the basic pharmacologic agents used to treat heart failure. | Ragini S. Bhakta, Pharm.D., BCPS  
St. Rose Dominican Hospitals  
Las Vegas, NV | Grand Ballroom |
| 2:20pm - 3:05pm | Unique Considerations in Treating and Diagnosing Women with Heart Failure  
- Review of heart disease in women, identifying risk categories, diagnostic testing tools and treatment options and information for the prevention of heart disease in the female population. | Jill M. Gelow, MD, MPH  
OHSU Healthcare  
Portland, OR | Mason 1 & 2 |
| 3:05pm - 3:10pm | Travel back for Breakout Session                                                   |                                              |                |
| 3:10pm - 3:55pm | Stroke Prevention in Atrial Fibrillation: New Concepts, Treatments, and Challenges  
- Overview of stroke prevention in atrial fibrillation including factors contributing to stroke risk, bleeding risk in atrial fibrillation patients and issues related to appropriate anticoagulants. | Mintu Turakhia, MD, MAS  
Stanford Health Care  
Stanford, CA | Grand Ballroom |
| 3:10pm - 3:55pm | Systems Approach for Resuscitation  
- Develop a resuscitation system of care to improve survival to discharge rates for those patients suffering cardiac arrest. | Michael Jacobs, EMT-P  
Alameda County EMS  
Alameda, CA | Mason 1 & 2 |
| 3:55pm - 4:00pm | Travel back to General Session                                                      |                                              |                |
| 4:00pm - 4:45pm | Advanced Therapies for Heart Failure  
- Patients who receive left ventricular assist devices will receive appropriate follow up and care by providers knowledgeable in transplant medicine. | Dipanjan Banerjee, MD, MS  
Stanford Health Care  
Stanford, CA | Grand Ballroom |
<p>| 4:45pm - 5:00pm | Closing Remarks &amp; Adjourn Day 1                                                    |                                              | Grand Ballroom |</p>
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<td>7:00am - 8:00am</td>
<td>Registration, Heart Healthy Breakfast, Exhibitors</td>
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<td>8:00am - 8:10am</td>
<td>Welcome &amp; Opening Remarks</td>
<td>Mick Smith, EMT-P, FF 1 &amp; 2, B.A.</td>
<td>Grand Ballroom</td>
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<td>American Heart Association/American Stroke Association</td>
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<td>8:10am - 9:00am</td>
<td>Epidemiology &amp; Genetics of Atrial Fibrillation</td>
<td>Gregory Marcus, MD, MAS, FACC, FAHA, FHRS</td>
<td>Grand Ballroom</td>
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<td>- Identify important risk factors for atrial fibrillation and understand the role that genetics play in the development of atrial fibrillation.</td>
<td>UCSF Medical Center San Francisco, CA</td>
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<td>9:00am - 9:45am</td>
<td>Diagnosis and Medical Management of Atrial Fibrillation</td>
<td>Jonathan Hsu, MD, MAS</td>
<td>Grand Ballroom</td>
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<td>- Identify the major considerations to be addressed in the management of atrial fibrillation.</td>
<td>UC San Diego Medical Center San Diego, CA</td>
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<td>9:45am - 10:00am</td>
<td>Break, Exhibitors</td>
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<td>10:00am - 10:45am</td>
<td>First Medical Contact: Pitfalls, Challenges, and Best Practice</td>
<td>Mary Velasquez MS, NP, ACNP-BC</td>
<td>Grand Ballroom</td>
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<td>- Describe components of successful STEMI regional systems of care as shared in the American Heart Association guidelines, as well as pitfalls and challenges.</td>
<td>Memorial Modesto Medical Center Modesto, CA</td>
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<td>Heart Failure: From Diagnosis to End of Life</td>
<td>Edward Kersh, MD, FACC</td>
<td>Mason 1 &amp; 2</td>
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<td>- Understanding heart failure as a chronic disease will allow health care providers to work with their patients and manage their care in a evidence-based and patient-centered manner.</td>
<td>Sutter Care at Home</td>
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<td>10:45am - 10:50am</td>
<td>Travel back for Breakout Session</td>
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<td>10:50am - 11:35am</td>
<td>Reducing Heart Failure Readmissions through Community Paramedicine</td>
<td>Chief Mark Stevens</td>
<td>Grand Ballroom</td>
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<td>• Utilize emergency medical services as a mobile health opportunity to provide medical screening, medication reconciliation and health education.</td>
<td>Tualitin Valley Fire and Rescue Tigard, OR</td>
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<td>I Care and You Should Too: All About the CARES Registry</td>
<td>Jenny Shin, MPH</td>
<td>Mason 1 &amp; 2</td>
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<td>• Identify how the CARES Registry can help local emergency medical services administrators and medical directors to identify who is affected, when and where cardiac arrest events occur, which elements of the system are functioning properly and which elements are not, and how changes can be made to improve cardiac arrest outcomes.</td>
<td>King County EMS Seattle, WA</td>
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<tr>
<td>11:35am - 12:30pm</td>
<td>Heart Healthy Lunch, Exhibitors</td>
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<td>12:30pm - 1:15pm</td>
<td>Oral Anticoagulants for Stroke Prevention in Atrial Fibrillation</td>
<td>Felix K. Yam, Pharm.D., M.A.S., BCPS-AQ</td>
<td>Mason 1 &amp; 2</td>
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<td>• Be able to select the most appropriate oral anticoagulant for an individual patient, describe how to manage oral anticoagulants in the peri-operative setting and when transitioning from warfarin, and describe reversal strategies for oral anticoagulants.</td>
<td>UC San Diego Medical Center San Diego, CA</td>
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<td>1:15pm - 1:20pm</td>
<td>Travel back to General Session</td>
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<td>1:20pm - 2:05pm</td>
<td>A Call to Action: The Other MI</td>
<td>Viral Mehta, MD, FACC, FSCAI</td>
<td>Grand Ballroom</td>
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<td>• Review strategy and treatment guidelines for NSTEMI patient population.</td>
<td>San Joaquin Community Hospital Bakerfield, CA</td>
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<td>2:05pm - 2:15pm</td>
<td>Closing Remarks &amp; Adjourn Day 2</td>
<td>Elaina Petrucci Gunn, RN, BSN</td>
<td>Grand Ballroom</td>
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<td>American Heart Association/ American Stroke Association</td>
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FACULTY BIOGRAPHIES

**Dipanjan Banerjee, MD, MS**
Clinical Assistant Professor, Medicine - Cardiovascular Medicine
Stanford University
Faculty Speaker

Disclosures: Research Grant, Honoraria: Thoratec, St. Jude Medical, HeartWare/Medtronic

Dr. Dipanjan Banerjee is a cardiologist trained in advanced heart failure and cardiac transplantation, with a primary interest in patients with end stage heart failure. In his clinical practice, he cares for patients with heart failure, mechanical heart-assist devices, and heart transplantation both in the coronary care unit (CCU) and in the outpatient clinic. He also performs catheterization laboratory procedures and supervises the protocol based ramp echocardiography performed on patients receiving left ventricular assist devices (LVADs). His specific research interest is in the hemodynamic evaluation of patients receiving LVADs. He also researches quality improvement, and has led a program that effected a sustained reduction in 30-day readmission rates after a discharge for heart failure, significantly below national rates. At Stanford, his leadership roles include serving as the Medical Director of the mechanical circulatory support program (MCS) and as physician lead of the heart failure readmission reduction program. Finally, he is one of the leading educators in not only the Division of Cardiology at Stanford, but also the Department of Medicine.

**Ragini Bhakta, Pharm.D., BCPS**
Associate Professor of Pharmacy Practice
Roseman University of Health Sciences
Faculty Speaker

Dr. Ragini Bhakta is an Associate Professor at Roseman University of Health Sciences where she is involved in teaching cardiology and precepts students on an APPE for inpatient Cardiology. She also provides clinical pharmacy services to cardiologists at St. Rose Dominican Hospital (Siena campus). Dr. Bhakta completed her PGY-1 residency at the Long Beach VA and was a Clinical Pharmacist at the University of Kansas Hospital in Cardiology for almost 8 years before switching to academia. She grew up in a small town, Hawthorne Nevada, and is happy to call the state of Nevada home again.

**Anne Casey, MS, FAACVPR**
Administrative Director
Heart Institute
Virginia Mason Medical Center
Planning Committee

Ms. Anne Casey is the Administrative Director of the Heart Institute at Virginia Mason Medical Center. She has a Master’s Degree in Clinical Exercise Physiology and is a Fellow of the American College of Cardiovascular and Pulmonary Rehabilitation for innovative work in primary and secondary prevention of heart disease.
### Faculty Biographies

**Maria Fairbanks, RN, CEN**  
Prehospital Care Coordinator  
Contra Costa County EMS Agency  
Faculty Speaker  
Planning Committee Member  
No relevant financial disclosures.

Ms. Maria (Mia) Fairbanks is a Prehospital Care Coordinator for the Contra Costa County EMS Agency in Martinez, California. She has a background in EMS, working as both an EMT and a Paramedic outside Pittsburgh, Pennsylvania. Ms. Fairbanks completed her Associate Degree in Nursing in 2003 and worked in a busy, suburban Emergency Department for five years. In 2008, she moved to the Bay Area and has worked at John Muir Medical Center in Concord, California for the last eight years. In 2011, she joined the EMS Agency as a Prehospital Care Coordinator, assuming the role of EMS STEMI Program Coordinator and eventually EMS Stroke Program Coordinator. Ms. Fairbanks is the liaison between the Prehospital and Hospital, working with providers to establish field treatment guidelines, policy and quality improvement processes for both STEMI and Stroke Systems of Care. She has presented on Stroke Systems of Care at the annual American Association of Neuroscience Nurses and participates in the AHA Mission: Lifeline Systems of Care program for EMS. Ms. Fairbanks is continuing her education and working toward her MSN in Clinical Nurse Leader.

**Jill Gelow, MD, MPH, FACC**  
Assistant Professor of Medicine  
Knight Cardiovascular Institute  
Heart Failure, Transplantation and Mechanical Circulatory Support  
Oregon Health and Science University  
Faculty Speaker  
No relevant financial disclosures.

Dr. Jill Gelow is an Oregon-native, who, except for her time as an intern and resident at Brigham and Women’s Hospital in Boston, MA, has worked extensively in her home-state and alma mater. She earned both her Doctor of Medicine and Master of Public Health degree from Oregon Health and Science University in 2004. After her residency, she returned to Oregon Health and Science University for her fellowship, where she eventually became a Chief Fellow in the Division of Cardiovascular Medicine. After her fellowship, Dr. Gelow took a position with her alma mater and currently serves as an Assistant Professor as well as the Program Director for both the Cardiovascular Medicine and Advanced Heart Failure and Transplant Fellowships at the university. She has a special interest in Heart Failure and Transplant and Heart Assist Devices and has contributed to multiple clinical trials and publications throughout her career.

**Paul Heidenreich, MD**  
Professor of Medicine (Cardiovascular) and, by courtesy, of Health Research and Policy  
Palo Alto Veterans Affairs Health Care System  
Stanford University  
Faculty Speaker  
No relevant financial disclosures.

Dr. Paul Heidenreich is Professor of Medicine and Health Research and Policy at the Stanford University School of Medicine. He also serves as a Vice-Chair for Clinical, Quality and Analytics in the Department of Medicine. He is a practicing non-invasive cardiologist and active clinical researcher. He has an extensive background in outcomes and health services research in the areas of technology assessment including use of screening with diagnostic tests, quality improvement, and economic analyses. He served as Chair of the American College of Cardiology and American Heart Association's (AHA) Task Force on Performance Measurement, the AHA Council on Quality of Care and Outcomes Research and the AHA Get With the Guidelines Steering Committee.
### Timothy Henry, MD
Director in the Division of Cardiology/Professor in the Department of Medicine
Cedars-Sinai Medical Center

**Faculty Speaker**

No relevant financial disclosures.

Dr. Timothy Henry is an interventional cardiology and the Director of Cardiology at the Cedars-Sinai Heart Institute. He has co-authored over 300 manuscripts and book chapters in prominent peer reviewed journals including Circulation, Circulation Research, Journal of the American Medical Association, and Lancet. Dr. Henry is an internationally recognized leader in the treatment of refractory angina and acute myocardial infarction. US News and World Report names Dr. Henry one of the Best Doctors in America for the past nine years. He is the recipient of the Lumen Lifetime Achievement Award for STEMI and a winner of the ACC Innovation Award. He won AHA Heart Hero Award for his pioneering work in STEMI regional systems of care in Minnesota. His regional STEMI network in Minnesota has now enrolled over 5,000 consecutive patients transferred from 35 hospitals and ten clinics, up to 210 miles from the PCI center. He was a member of the original Mission: Lifeline Scientific Committee and has promoted the concept of regions systems for all acute cardiovascular emergencies including out-of-hospital cardiac arrest, aortic dissection, abdominal aortic aneurysms, and stroke.

### James Heywood, MD, FACC
Medical Director of the Left Ventricular Assist Device (LVAD) program/Co-Director for the Pulmonary Hypertension Clinic
Scripps Clinic

**Faculty Speaker**

**Disclosures:**
Speakers Bureau: Medical Speakers Network
Honoraria: Actelion Pharmaceuticals, Medtronic, St. Jude Medical, Thoratec, Pfizer, Biotronik
Consultant, Actelion Pharmaceuticals, Medtronic, Thoratec
Research Grants: Medtronic, Gambro, St. Jude, Novartis
Fellowship Support: St. Jude Medical

In practice since 1987, Dr. J. Thomas Heywood is fellowship trained in cardiovascular disease and specializes in treating patients with congestive heart failure and those with advanced heart failure. Dr. Heywood joined Scripps Clinic in 2005 to serve as the director of the Heart Failure Recovery and Research Program in the division of cardiology. In addition to his clinical practice, he conducts research on heart failure, including renal dysfunction in heart failure, implanted heart failure monitors and efforts to improve outcomes for patients. In 2012 he became the medical director of the Left Ventricular Assist Device (LVAD) program which implants small pumps in those with end stage heart failure. He supervises the delivery of heart failure services for all five Scripps Hospitals. In addition, he is a co-director for the Pulmonary Hypertension Clinic. He is an internationally recognized expert in heart failure and has authored more than 80 publications and lectured throughout the world on state-of-the-art cardiomyopathy treatment. In 2011, he published a book with John Burnett of the Mayo Clinic entitled “The Cardiorenal Syndrome.”
# Faculty Biographies

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<th>Name</th>
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<th>Affiliation</th>
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<tr>
<td>Jonathan Hsu, MD, MAS</td>
<td>Assistant Professor of Medicine Section of</td>
<td>Cardiac Electrophysiology, Division of Cardiology, University of California, San Diego</td>
<td>Consultant/Advisory Board: Janssen Pharmaceuticals, Bristol-Myers Squibb&lt;br&gt;Faculty Speaker&lt;br&gt;No relevant financial disclosures.</td>
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<td>Dr. Jonathan Hsu is an Assistant Clinical Professor of Medicine at UCSD School of Medicine, Division of Cardiology. His primary clinical interest is in cardiac electrophysiology, and he specializes in both the medical and procedural care of patients with all types of heart rhythm disturbances. He completed fellowship training in general cardiology and received additional advanced sub-specialty training in cardiac electrophysiology at the University of California, San Francisco (UCSF), where he also completed his Master's Degree in Clinical Research (MAS). He completed both his internship and residency at Massachusetts General Hospital. Dr. Hsu is also a clinical research investigator with formal advanced training in clinical research methods and biostatistics. His research focuses on the epidemiology and clinical outcomes in patients with all types of cardiac arrhythmias and devices, including reducing the risk of stroke in atrial fibrillation patients with oral anticoagulants and reducing complications in implantable-cardioverter defibrillator recipients.</td>
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<tr>
<td>Michael Jacobs, EMT-P</td>
<td>Specialized Systems of Care Manager</td>
<td>Alameda County Emergency Medical Services Health Care Services Agency</td>
<td>Faculty Speaker&lt;br&gt;No relevant financial disclosures.</td>
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<td>Mr. Michael Jacobs has been actively working in EMS for over 30 years and is currently the EMS Manager coordinating system improvement, education and research regarding Cardiac Arrest, STEMI, Stroke, Trauma and CPR in Schools for Alameda County. In addition, he is an EMS Consultant for Coastside Fire Protection District in San Mateo County as well as a Clinical Education Consultant for Stanford Children's Hospital. He also currently serves on the National Board of Directors for Take Heart America.</td>
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<tr>
<td>Adrienne Jones, MSN, RN</td>
<td>STEMI Coordinator</td>
<td>Providence St. Vincent Medical Center Planning Committee Member</td>
<td>Planning Committee Member&lt;br&gt;No relevant financial disclosures.</td>
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<td>Ms. Adrienne Jones is a STEMI Coordinator for Providence St. Vincent Medical Center in Oregon. She graduated with her Bachelor of Science in Nursing in 2012 and her Master of Science in Nursing in 2013. She previously worked in ICU/Trauma ICUs and Emergency Departments in Phoenix, Arizona.</td>
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<tr>
<td><strong>Edward Kersh, MD, FACC</strong></td>
<td>Clinical Professor Emeritus of Medicine, University of California San Francisco, Geisel School of Medicine at Dartmouth, Medical Director of Telehealth Sutter Care at Home</td>
<td></td>
<td>No relevant financial disclosures.</td>
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<td>Dr. Edward Kersh is the former Chief of Cardiology at St. Luke's Hospital, San Francisco, and is a Clinical Professor Emeritus of Medicine at the University of California San Francisco (UCSF) and Geisel School of Medicine at Dartmouth. He moved from New York to San Francisco in 1972 to complete his training in cardiology, and then worked at San Francisco General Hospital until 1980, when he joined the staff of California Pacific Medical Center (CPMC), where he has served as Chief of Echocardiography and Director of Cardiac Rehabilitation. In 2001, he was appointed Chief of Cardiology at St. Luke's Hospital which is affiliated with CPMC. Dr. Kersh is now retired from clinical practice and serves as Medical Director of Telehealth for Sutter Care at Home. He is an active lecturer and has special clinical interest in the care of patients with heart failure and the problem of 30 day readmissions. In 2000, he was honored with the Kaiser Teaching Award as volunteer teacher of the year at UCSF. Dr. Kersh has published numerous articles featured in leading medical journals, such as the New England Journal of Medicine, the American Journal of Cardiology, and the Journal of Echocardiography. He has been recognized by his peers by election to Best Doctors in America.</td>
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<td><strong>John Krouse, MD</strong></td>
<td>Cardiologist John Muir Health San Ramon Regional Medical Center</td>
<td></td>
<td>No relevant financial disclosures.</td>
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<td>Dr. John Krouse is a cardiologist in the Bay Area affiliated with multiple hospitals including San Ramon Regional Medical Center and John Muir Medical Center in Walnut Creek and Concord. He received his medical degree from Creighton University School of Medicine and has been in practice for more than 20 years.</td>
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<tr>
<td><strong>Peter J. Kudenchuk, MD</strong></td>
<td>Professor of Medicine, Division of Cardiology, Arrhythmia Services, University of Washington &amp; Medical Program Director, King County Medic One</td>
<td></td>
<td>No relevant financial disclosures.</td>
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<tr>
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<td>Dr. Peter J. Kudenchuk is Professor of Medicine in the Division of Cardiology, Arrhythmia Services at the University of Washington in Seattle, WA, and Medical Program Director for King County Medic One. He is a cardiac electrophysiologist with board certification in internal medicine, cardiovascular diseases, critical care medicine as well as cardiac electrophysiology. His primary research interests are in cardiac resuscitation, atrial and ventricular arrhythmias and cardiac rhythm management devices, and is widely published in these areas. He has a special clinical interest in the management of atrial fibrillation and stroke prevention. He serves on the National Emergency Cardiovascular Care (ECC) Science Subcommittee for the American Heart Association (AHA), as a scientific evidence evaluator for the International Liaison Committee on Resuscitation (ILCOR), was past Vice-Chair of the ECC, AHA Associate Science Editor for the CPR and Emergency Cardiovascular Care Guidelines, serves as faculty for the AHA ECC Regional Conferences, a member of the AHA Advanced Cardiac Life Support Guidelines writing group and is Principal Investigator at the University of Washington for the NHLBI Resuscitation Outcomes Consortium (ROC).</td>
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### FACULTY BIOGRAPHIES

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<thead>
<tr>
<th>Name</th>
<th>Title/Role</th>
<th>Biography/Position</th>
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<tbody>
<tr>
<td>Pam Lavering, BSN, RN-BC</td>
<td>Chest Pain Program Manager/Manager for Cardiac Navigator Program/Heart Failure Resource Centers John Muir Health Walnut Creek</td>
<td>Ms. Pamela Lavering is a Registered Nurse (RN) with an extensive cardiovascular background and more than eight years of experience as a nurse manager. Her areas of expertise include: hospital quality measures, reducing re-admissions, chest pain accreditation, and patient advocacy. She currently serves as Chest Pain Program Manager and Manager for Cardiac Navigator Program/Heart Failure Resource Centers at John Muir Health, Walnut Creek.</td>
</tr>
<tr>
<td>David Lehrfeld, MD</td>
<td>Locum Emergency Physician Oregon &amp; Medical Director EMS &amp; Trauma Services Oregon POLST, Oregon Health Authority Planning Committee Member</td>
<td>Dr. David Lehrfeld is a Locum Emergency Physician in the state of Oregon and also the Medical Director of EMS &amp; Trauma Services for Oregon Health Authority’s Physician Orders for Life Sustaining Treatment. He is active in representing emergency physicians and researching emergency medicine best practices. Dr. Lehrfeld is a member of many professional associations such as the American College of Emergency Physicians (State legislation and regulation committee), the National Association of state EMS directors: Medical director’s council), and the National Association of EMS Physician (Advocacy Committee). He has also contributed to clinical publications and books, with multiple articles featured in the Journal of Emergency Medical Services.</td>
</tr>
<tr>
<td>Gregory Marcus, MD, MAS, FACC, FAHA, FHRS</td>
<td>Associate Professor Director, Clinical Research University of California San Francisco Faculty Speaker</td>
<td>Dr. Gregory Marcus is a specialist in the treatment of arrhythmias, including mapping and catheter ablation for atrial fibrillation, supraventricular tachycardias and ventricular arrhythmias. He is also an expert in pacemaker, biventricular device and defibrillator implantation. Dr. Marcus is the Director of Clinical Research for the University of California San Francisco Division of Cardiology. His particular research interests include cardiovascular effects of alcohol, atrial fibrillation (mechanisms, guideline adherence, novel therapies); supraventricular tachycardia (diagnoses and national treatment patterns); implantable cardiac devices (patient and provider knowledge and experiences, optimal performance, patient selection); with broader interests in clinical research study design and genetic epidemiology. More recently, as one of the leaders of the Health eHeart Study, Dr. Marcus’ interests have included mobile health technology and leveraging devices, sensors, mobile apps and the internet to understand &quot;real time&quot; and &quot;real life&quot; effects and to conduct clinical research more efficiently.</td>
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# Faculty Biographies

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<th>Name</th>
<th>Title and Affiliations</th>
<th>Financial Disclosures</th>
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<tr>
<td><strong>Anthony McCanta, MD</strong></td>
<td>CHOC Children's Specialists Pediatric Cardiology, Electrophysiology Children's Hospital of Orange County &amp; Assistant Clinical Professor of Pediatrics University of California, Irvine Faculty Speaker No relevant financial disclosures.</td>
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<tr>
<td>Dr. Anthony McCanta is a board certified pediatric cardiologist specializing in pediatric electrophysiology. He is certified to care for infants, children and young adults with heart rhythm problems. Dr. McCanta regularly treats conditions such as Supraventricular tachycardia, Wolff-Parkinson-White syndrome, Premature atrial or ventricular beats, Ventricular tachycardia, and life-threatening diseases such as long QT syndrome and catecholaminergic polymorphic ventricular tachycardia (CPVT). Although a native of Orange County, he attended the University of Notre Dame and earned his medical degree from Loyola University Chicago Stritch School of Medicine. Dr. McCanta then returned home for his pediatric residency at CHOC, where he was named chief resident of pediatrics. Dr. McCanta undertook a Pediatric cardiology fellowship at the University of Colorado Denver/Children's Hospital Colorado, followed by a Pediatric electrophysiology fellowship at Duke University in Durham, N.C. The training at Duke also included the care of adults with congenital heart disease. After his fellowships, Dr. McCanta served as faculty of the University of Colorado Denver/Children's Hospital Colorado for more than three years before returning to Orange County. Dr. McCanta’s academic career includes authorship of several peer-reviewed journal manuscripts and he is also the course director of the Pediatric and Adult Congenital Electrophysiology Society's International conference, Advancing the Field: A Forum on Practice Innovation, Scientific Achievement, and Career Development, which focuses on improving the care of pediatric and congenital heart disease patients.</td>
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<tr>
<td><strong>Viral Mehta, M.D., F.A.C.C., F.S.C.A.I.</strong></td>
<td>Clinical and Interventional Cardiologist Comprehensive Cardiovascular Medical Group, Inc. &amp; Assistant Clinical Professor of Medicine UCLA Faculty Speaker Planning Committee Member No relevant financial disclosures.</td>
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<td>Dr. Viral Mehta is a Clinical and Interventional Cardiologist in Bakersfield, CA and an Assistant Clinical Professor of Medicine, UCLA. Dr. Mehta is dedicated to the advancement of cardiovascular care. Throughout his career, he has been an active member of the American College of Cardiology, the American College of Physician, the California Medical Association, and the Society of Cardiac Angiography and Interventions. He has also been featured in 10 interviews with the local Bakersfield news. Dr. Mehta has been committed to clinical research and currently serves as the principal investigator of five different clinical trials.</td>
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<tr>
<td><strong>Faculty Biographies</strong></td>
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| **Ronald Todd Peterson,**  
**DO**  
Medical Director for the  
Chest Pain Center  
San Joaquin Community Hospital  
Faculty Speaker  
No relevant financial disclosures.  |
| Dr. Ronald Todd Peterson is the Medical Director for the Chest Pain Center at San Joaquin Community Hospital. He received his medical degree from Western University of the Health Sciences and has been in practice for more than 20 years. His focus has been on Emergency Medicine, having founded the emergency medicine democratic group Central California Emergency Medicine Physicians in 2004. |
| **Lorrie Pilkington**  
**RN, BSN, CNOR**  
Clinical Documentation Improvement Specialist,  
Quality Management Coordinator  
Wilcox Medical Center  
Planning Committee Member  
No relevant financial disclosures.  |
| Ms. Lorrie Pilkington is a native Floridian who began her medical career as a surgical technologist working in Tallahassee Memorial Hospital (TMH) striving to achieve a BS degree in Nutrition and Food Science at Florida State University. Within six months of becoming a dietician, she realized her passion was in surgery and nursing. TMH subsequently offered her a scholarship for nursing school and after completing her BSN, she returned to the operating room as an RN staff nurse. Her focuses became quality improvement, process improvement, and providing the best patient care possible using evidence based practices. After her husband and her decided it was time for a “life adventure,” she took a management position at Wilcox Medical Center in Hawaii. Her passion for quality improvement eventually led her to Wilcox Medical Center’s Quality department where she and her dynamic team focus on using data and science to guide and direct patient care. |
| **Patty Schriver,**  
**MSN, MHA, RN, CCRN**  
Quality Management Advisor  
CHOC Children’s Hospital  
Planning Committee Member  
No relevant financial disclosures.  |
| Ms. Patty Schriver has worked at CHOC Children’s Hospital in Orange, CA, for 32 years. Her experience includes pediatric oncology, pediatric intensive care, care of patients with congenital heart defects, ECMO, and Quality Management. She has experience both as a bedside nurse and in management including being a past co-chair of the Code Blue Committee. Patty is both a PALS and ACLS provider. She served as PALS Regional Faculty for the American Heart Association from 1997–2008. |
Ms. Jenny Shin is a Program Project Manager for King County Public Health’s Emergency Medical Services in Seattle, Washington. She has a background in Public Health, double majoring in Population Health & Health Promotion and Disease Prevention at Case Western Reserve University. Throughout her career she has contributed to research and publications, including a Community Health Status Assessment for Cuyahoga County, Ohio, where she reviewed 55 indicators to assess overall health and look for strengths and areas for improvement. In her current position, she not only works on the county’s HeartRescue Project/Cardiac Arrest Registry for Enhanced Survival, but also serves as an Equity and Social Justice (ESJ) Department Representative working as a liaison between EMS division and Department of Public Health ESJ efforts.

Chief Mark Stevens is the Division Chief of Mobile Integrated Healthcare for Tualatin Valley Fire & Rescue, which serves 497,000 citizens in four counties outside of Portland, Oregon. He serves as Immediate Past President of the EMS Section of the Oregon Fire Chiefs Association and frequently presents at conferences and paramedic programs. Mark has 38 years of public and private EMS experience. He and his wife have eight children, six are adopted at birth.

Dr. Mintu Turakhia is a cardiac electrophysiologist, outcomes researcher, and Assistant Professor of Medicine at Stanford University. He is Director of Cardiac Electrophysiology at the Palo Alto VA Health Care System and is an Associate Investigator at the Center for Health Care Evaluation (CHCE). In his clinical role, Dr. Turakhia performs catheter ablation, device implantation, and lead extraction. Dr. Turakhia has an active clinical research program, with funding from AHA, VA, NIH, the medical device industry, and foundations. His research program aims to improve the treatment of heart rhythm disorders, by evaluating quality and variation of care, comparative and cost-effectiveness of therapies, and risk prediction. Dr. Turakhia has extensive expertise in using large administrative and claims databases for this work. His TREAT-AF retrospective study of over 400,000 patients with newly-diagnosed AF is the largest known research cohort of AF patients. His other research interests include technology assessment of new device-based therapies and the impact of changing health policy and reform on the delivery of arrhythmia care. Dr. Turakhia is a Fellow of the American Heart Association, American College of Cardiology, and Heart Rhythm Society.
### FACULTY BIOGRAPHIES

| Mary Velasquez, RN, BS, MS, ACNP-BC | Ms. Mary Velasquez is currently the STEMI program Manager for Sutter Memorial Medical Center located in Modesto, California central valley area. She was instrumental in the establishment of Memorial Medical Center's Chest Pain Center accreditation by the Society of Cardiovascular patient care in 2011. In 2009 she collaborated with EMS for the development of the STEMI system of care regional CQI team for Stanislaus county STEMI Receiving Centers. She has many roles which includes: Coordinator of the Primary Stroke Center, Cardiovascular Clinical research, Annual Cardiovascular symposium in the Central Valley. Memorial Medical Center is recognized by the American College of Cardiology's National Cardiovascular data registry Platinum level Action GWTG award as well as Mission Life-lines Silver Award. Ms. Velasquez has over 25 years critical care nursing experience in a variety of practice settings such as an critical Care assistant manager, and Acute Care nurse Practitioner and program manager. She is a current member of the honor society of nursing Sigma Theta Tau international & ACC care associate. Ms. Velasquez received her bachelors of Science in Nursing at California State University Fresno, and attended the University of California San Francisco graduate school of Nursing, she graduated with a Masters in Nursing and Acute Care Nurse Practitioner. |
| Stella Williams, RN, CCPC | Ms. Stella Williams is a Registered Nurse with 18 years of experience in the Emergency Department (ED). She has held multiple leadership roles within the Emergency Departments of several Kern County hospitals and was recognized as the Association of California Nursc Leaders Community Nurse of the Year in 2015. Currently, Ms. Williams serves as a Certified Cardiovascular Patient Care Coordinator at San Joaquin Community Hospital. |

<p>| Faculty Speaker | Planning Committee Member | No relevant financial disclosures. | Faculty Speaker | Planning Committee Member | No relevant financial disclosures. |</p>
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<tr>
<th><strong>FACULTY BIOGRAPHIES</strong></th>
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| **Felix Yam, Pharm.D.,  
M.A.S., BCPS-AQ** |
| Associate Clinical Professor  
University of California,  
San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences  
Clinical Pharmacy Specialist  
– Heart Failure  
VA San Diego Healthcare System  
Faculty Speaker  
Planning Committee Member  
No relevant financial disclosures. |
<p>| Dr. Felix Yam completed his Doctorate of Pharmacy degree at the University of Rhode Island College of Pharmacy, post-graduate residency training at the University of Kentucky and Cedars-Sinai Medical Center, and Master's Degree in Clinical Research at the University of California, San Diego. He is currently Associate Clinical Professor at the UC San Diego Skaggs School of Pharmacy and Pharmaceutical Sciences where he chairs the pharmacy cardiovascular pharmacotherapeutics course. His clinical practice site is at the VA San Diego where he directs the pharmacist-run heart failure medication management clinic and serves as co-investigator on several cardiovascular clinical trials evaluating novel heart failure therapies. |</p>
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<th>Meet Your Quality and Systems Improvement Team</th>
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| **Luz Aguilar, BSB**  
Program Director  
Southern California  
Luz.Aguilar@heart.org |
| Amy Alonso, RN, BSN  
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| Amanda Cahill, MSW, ACM  
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t-Brittany.Hoffarth@heart.org |
| Ron Loomis, RN, BSN, CPHQ  
Senior Regional Director  
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| Elizabeth Peterson, RN, BSN, MPH, CHES  
Regional Director  
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Elizabeth.Peterson@heart.org |
| Elaina Petrucci Gunn, RN, BSN  
Regional Director  
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(Silicon Valley, North Bay, Fresno, Central Northern Coast)  
Elaina.Petrucci.Gunn@heart.org |
| JoAnne Pineda, MBA  
Senior Program Director  
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JoAnne.Pineda@heart.org |
| Mick Smith, EMT-P, FF2, BA  
Senior Regional Director  
Northern California, Northern Nevada, and Oregon  
Mick.Smith@heart.org |
| Tami Swart, LPN, BS, MPH, CPHQ  
Senior Regional Director  
Hawaii, Idaho, Montana, Southern California (Los Angeles)  
Tami.Swart@heart.org |
| Carrie Vines  
Program Coordinator  
Western States Affiliate  
Carrie.Vines@heart.org |
**Program Purpose**

In alignment with the impact goal of the American Heart Association/American Stroke Association (AHA/ASA), focused on improving the cardiovascular health of all Americans by 20% while reducing deaths from cardiovascular diseases and stroke by 20% by 2020, the Get With The Guidelines program is designed to assist healthcare professionals in institutions implementing the AHA/ASA treatment guidelines for patients with a diagnosis for heart failure, atrial fibrillation, ACS, and stroke, as well as prevention guidelines for these conditions.

The AHA/ASA Western States Affiliate is excited to host its inaugural conference focused on providing education and resources to cardiovascular champions across the west coast. Our goal is to educate physicians, physician assistants, nurses, nurse practitioners, EMS personnel, pharmacists, hospital administration, and quality improvement staff about the most up-to-date cardiovascular statistics, treatment guidelines, and best practices while providing the tools needed to build and maintain successful programs focused on Atrial Fibrillation, Heart Failure, Resuscitation, and ST-Elevation Myocardial Infarction at their respective healthcare facilities. This cardiovascular symposium will also provide networking opportunities for knowledge sharing and collaboration.

**Course Learning Objectives**

Attendees will be able to provide examples of how the stroke patient population will benefit from the healthcare provider’s adherence to the American Heart Association/American Stroke Association guidelines and explain quality improvement best practices relevant to caring for patients with cardiovascular disease.

Upon completion of this activity, learners will be able to:

1. List 2 clinical and operational benefits of a regionalized STEMI program.
2. Describe 2 key factors when developing a system of care to manage heart failure patients and reduce readmissions.
3. Recognize 2 symptoms and presentations of the long-term cardiac effects of repaired congenital heart disease in adults.
4. Describe 2 current pharmacologic approaches to managing shock-refractory ventricular fibrillation cardiac arrest and their limitations.
5. Distinguish 2 clinical presentations, diagnosis, and treatment strategies of heart failure preserved ejection fraction from those of heart failure with reduced ejection fraction.
6. Describe 2 challenges currently faced in treating STEMI patients.
7. List 2 key components of targeted temperature management.
8. List 2 basic pharmacologic agents used to treat heart failure.
10. Identify 2 factors contributing to stroke risk in patients with atrial fibrillation.
11. Describe 2 important factors when creating a resuscitation system of care to improve survival to discharge rates for those patients suffering cardiac arrest.
12. Identify 2 factors of follow up and care for patients who receive left ventricular assist devices.
13. Identify 2 methods of diagnosing atrial fibrillation with different types and duration of monitoring.
14. List 2 differences between palliative and hospice care.
15. List 2 ways the CARES Registry can help local EMS administrators and medical directors improve cardiac arrest outcomes.
16. List 2 reversal strategies for oral anticoagulants.
17. List 2 ways to ensure patients presenting with acute coronary syndrome will be appropriately treated and maintained with dual antiplatelet therapy.
18. Identify 2 ACS/NSTEMI symptoms when patients presenting to emergency department and initiate drug therapy.
Who Should Attend?

Educational content is designed to meet the range of needs from those new to atrial fibrillation, heart failure, resuscitation, and STEMI care. We welcome physicians, nurses, pharmacists, EMS professionals, quality improvement staff, and anyone with a vested interest in providing quality care to the cardiovascular patient population.

- Physicians, Physician Assistants, Nurse Practitioners, Nurses: Cardiology, Emergency, Telemetry, Critical Care, Medical-Surgical, Rehabilitation, Radiology, Intensive Care
- Pharmacists: Pharmacology, Pharmacokinetics
- EMS Professionals: EMT, Paramedic

Joint Accreditation Statements

The American Heart Association is accredited by the American Nurses Credentialing Center (ANCC), the Accreditation Council for Pharmacy Education (ACPE), and the Accreditation Council for Continuing Medical Education (ACCME), to provide continuing education for the healthcare team.

AMA Credit Designation Statement - Physicians

The American Heart Association designates this live activity for a maximum of 11.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

AAPA Credit Acceptance Statement – Physician Assistants

AAPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 11.75 hours of Category 1 credit for completing this program.

AANP Credit Acceptance Statement – Nurse Practitioners

American Academy of Nurse Practitioners (AANP) accepts AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

**AMA Credit must be claimed within 6 months of attendance. Credit will no longer be available to claim after July 20, 2017.**

ANCC Credit Designation Statement - Nurses

The maximum number of hours awarded for this CE activity is 11.75 contact hours.

**ANCC Credit must be claimed within 6 months of attendance. CME/CE will no longer be available to claim after July 20, 2017.**

ACPE Credit Designation Statement – Pharmacists

ACPE Credit: 11.75 Contact Hours. Universal Program Number: 0256-0000-17-913-L01-P

**ACPE Credit must be claimed within 30 days of participation. ACPE credit will no longer be available to claim after July 20, 2017.**
### Continuing Education Accreditation – Emergency Medical Services

This continuing education activity is approved by the American Heart Association, an organization accredited by the Commission on Accreditation of Pre-Hospital Continuing Education (CAPCE), for 11.75 Advanced CEUs, activity number 17-AMHA-F1-0945.

By claiming CAPCE credit, the claimant acknowledges the following: I understand that the American Heart Association as a requirement of CAPCE accreditation will submit a record of my course completions to the CAPCE AMS. I further understand that my course completion records may be accessed by or shared with such regulators as state EMS offices, training officers, and NREMT on a password-protected, need-to-know basis. In addition, I understand that I may review my record of CAPCE-accredited course completions by contacting CAPCE.

**CAPCE credit must be claimed within 6 months of attendance. CME/CE credit will no longer be available to claim for this activity after July 21, 2017.**

### Disclosure Policy

All persons who develop and/or control educational content in CME/CE activities provided by the American Heart Association will disclose to the audience all financial relationships with any commercial supporters of this activity as well as with other commercial interests whose lines of business are related to the CME/CE-certified content of this activity. In addition, presenters will disclose unlabeled/unapproved uses of drugs or devices discussed in their presentations. Such disclosures will be made in writing in course presentation materials.

### Americans With Disabilities

We encourage participation by all individuals. If you have a disability, advance warning of any special needs will help us to serve you better. Check with the staff at the on-site registration table, if you require special assistance to fully participate in the meetings.

### Directions/Parking

**Hilton San Francisco Financial District**

750 Kearny Street, San Francisco, California 94108

Self-parking is available at a posted hourly charge, with Daily Maximum at $15/day (day rate). Overnight self-parking for guests is $30.00 per day with in/out privileges. Valet parking with in/out privileges is $60.00 per day and is available 24 hours. Rates are subject to change without prior notice and parking is subject to availability.

### Refund Policy

Refunds will be made only if written notice of cancellation is received on or prior to Friday, January 6, 2017 12:00 Midnight Pacific Time to Sandeep.Gill@heart.org. A $50 processing fee is charged for all refunds. Cancellation requests received after January 6, 2017, 12:00 Midnight Pacific Time will not be refunded. No refunds will be issued until 7 – 15 days post event.
## Instructions for Claiming CE Credits

2. Click **Course Catalog**
3. Register for an activity.
   a. Utilize the search fields in the upper right hand corner.
      1. Select the activity type (All, Live, or Online).
      2. Enter a partial activity name or keyword.
      3. Enter the activity location address, city, or zip for live activities
      4. Click the magnifying glass icon.
      5. Click **Register** for the selected activity.
   b. Click **Register**
   c. Enter your Username and Password, and click **Sign In**.
      1. If you do not remember your Username or Password, click the **Forgot password?** link.
      2. If you are not a registered user, click **Create an account** to enter your account information and receive your Username and Password.
   d. You may be prompted to enter additional registration information.
   e. Enter XXXX in the Access Code field. **Access code will be distributed at the completion of Day 2.**
   f. Click **Submit** to complete the enrollment.
4. Once enrolled, the activity completion pathway automatically displays.
5. Review the Activity Overview tab, scroll to bottom and click **Continue**.
   a. You may be required to check a confirmation box that you have read the information.
6. Click the **Launch** button to complete an evaluation on the course. This step is required to claim credit. Once complete, click **Continue**.
7. Claim your credit by clicking the **Claim** button for the appropriate accreditation.
   a. You may qualify for more than one credit type based on your user profile.
   b. ACCME, ANCC, and CAPCE allow claiming of variable credit. You will be given the option to claim all or part of the activity credit if applicable to your user profile.
8. Click **Continue** to generate your certificate.
9. Click the certificate link to print or save it.
10. Click **Close**. The activity is stored under Completed Activities.

You are strongly encouraged to claim your CME/CE credit within 30 days of the conference. For customer support please contact our National Engagement Center at 1-888-242-2453 (between 8AM-5PM Central Standard Time) or email learn@heart.org.