

 **TEXAS HEART INSTITUTE**
Office of Continuing Medical Education, MC 3-276
P.O. Box 20345
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16th
**Texas Update in
Cardiovascular Advancements**



December 09, 2016
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7TH ANNUAL WOMEN'S HEART & VASCULAR SYMPOSIUM

**A New Era in Prevention,
Diagnosis & Treatment**

December 10, 2016

REGISTER ONLINE www.cme.texasheart.org

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Overview

Heart and vascular disease are the #1 killers throughout the world for men, women and children. A death from heart or vascular disease occurs every 33 seconds, with 2600 deaths occurring each day, and more than one million deaths occurring each year. There are 40 million women in the United States at this moment living with heart or vascular disease. In contrast, there are 8 million women living with cancer in the US presently. A woman is 5 times more likely to die of heart attack than of breast cancer. More women die of heart and vascular disease than of all cancers combined. A young person dies on the playing fields in the US every 2 to 3 weeks.

Over the past decade, physicians and scientists have worked diligently to find ways to combat the various physiological and behavioral risk factors and the genetic alterations associated with cardiovascular disease. Our one-day symposium will feature lectures and discussions by distinguished faculty who will provide current information on the status and future directions of cardiovascular medicine and surgery. The faculty will highlight recent progress in the diagnosis and treatment of cardiovascular disease, as well as new therapeutic modalities.

Target Audience

Our audience for this continuing medical education activity includes cardiologists, cardiovascular surgeons, internists, clinical researchers, nurses, technicians, and all interested in cardiovascular disease.

Educational Objectives

At the conclusion of this symposium, participants should be able to:

- Assess the latest surgical devices available to treat acute, decompensated heart failure patients
- Cite new surgical options with robotic surgery, and its role in modern-day surgical practice
- Discuss the management of hyperlipidemia
- Discuss recent scientific advances in lipid management and the use of statins for acute and chronic coronary artery disease
- Describe advances in the medical and interventional treatment of unstable angina and non-Q wave MI
- Review newer pharmacologic platforms for ST elevation MI
- Determine the appropriate use of CT and MRI/MRA for diagnosing cardiovascular disease
- Discuss latest findings related to pathogenesis of hypertrophic cardiomyopathy and its treatment
- Recognize the potential therapeutic options with stem cell therapy for cardiovascular disease including congestive heart failure
- Discuss the use of stem cell therapy in the regeneration of damaged heart tissue
- Highlight new advances in electrophysiology, including biventricular pacing, defibrillation, and ablation
- Discuss TAVR to treat valvular aortic stenosis

Accreditation and Credit Designation

Texas Heart Institute is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Texas Heart Institute designates this live activity for a maximum of 7.50 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

A New Era in Prevention, Diagnosis & Treatment

Overview

The greatest threat to women over the age of 50 is not cancer, it's heart disease. Before age 45, women have a definite advantage over men when it comes to heart disease—but they catch up quickly, and after the age of 65 they have the same risk as men for having a heart attack or stroke and more risk of dying from either.

Heart disease is the leading cause of death for women in the United States, killing 292,188 women in 2009—1 in every 4 female deaths. Although heart disease is sometimes thought of as a “man's disease,” around the same number of women and men die each year of heart disease in the United States. Despite increases in awareness over the past decade, only 54% of women recognize that heart disease is their number 1 killer.

- 43.8 million women are currently living with some form of cardiovascular disease (CVD).
- 6.6 million women are currently living with coronary heart disease (CHD).
- 2.7 million women have a history of heart attack.
- 4.2 million women will suffer angina.

More women than men die of cardiovascular disease each year with 64% of these women experiencing no previous symptoms of this disease. Unfortunately, for women 35-44 years of age, the rate of death attributable to CHD has been increasing by an average of 1.3% annually while comparable rates among men have been falling. More fatal than any other disease, CVD causes approximately 1 death per minute among women. That represents approximately the same number of female lives claimed by cancer, chronic lower respiratory diseases and diabetes combined. 398,035 deaths in American women are caused by CVD each year and 53,140 women die each year from heart attacks. Several modifiable behaviors remain a challenge and contribute to risk. For example, 44.9% of women have total cholesterol of at least 200mg/dL, 32.3% of women do not engage in leisure time physical activity, and after a heart attack, women are less likely than men to participate in cardiac rehabilitation.

Target Audience

The goal of this symposium is to educate the primary care physicians for women; obstetricians/gynecologists, internal medicine, family practice, endocrinologists, and nurse practitioners about prevention, early diagnosis and treatment strategies for heart disease in women.

Educational Objectives

At the conclusion of this symposium, participants should be able to:

- Cite the identification of cardiac risk factors in women
- Review and clarify current guidelines for prevention, treatment and diagnosis of heart disease and stroke in women
- Discuss and clarify cardiovascular risk stratification of female patients, which will be used to guide preventative treatment strategies
- Discuss and implement current and new diagnostic tools and techniques
- Develop reliable diagnostic techniques in developing treatment for their patients
- Discuss challenges of healthcare related to cardiovascular treatment and research in women
- Review treatment and health promotion activities

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Friday, December 9th Program

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|--------------------|--|
| 7:00AM | Registration and Breakfast |
| 7:30 | Welcome and Introductions <i>James T. Willerson, MD</i> |
| SESSION I | |
| 7:45 | Management of Hyperlipidemia: Current State of Science <i>Vijay Nambi, MD</i> |
| 8:15 | Advances in the Medical Treatment of Unstable Angina and Non-Q Wave MI <i>James T. Willerson, MD</i> |
| 8:45 | Advances in Interventional Cardiology <i>R. David Fish, MD</i> |
| 9:15 | Advances in the Treatment of ST Elevation MI <i>James M. Wilson, MD</i> |
| 9:45 | Break and Exhibits |
| SESSION II | |
| 10:00 | Advances in CT and MRI/MRA to Recognize Cardiovascular Disease <i>Benjamin Cheong, MD</i> |
| 10:30 | TAVR to Treat Valvular Aortic Stenosis <i>Guilherme Silva, MD</i> |
| 11:00 | Latest in Electrophysiology Procedures <i>Abdi Rasekh, MD</i> |
| 11:30 | Stem Cell Therapy in the Treatment of CHF and Cardiovascular Disease <i>Emerson Perin, MD</i> |
| SESSION III | |
| 12:00 – 1:20PM | LUNCH RAY C. FISH AWARD |
| 1:30 | Ray C. Fish Lecture <i>David A. Ott, MD</i> <i>Cardiovascular Surgery, Texas Heart Institute</i> |
| SESSION IV | |
| 2:00 | Advances in the Medical Treatment of Heart Failure <i>Roberta Bogaev, MD</i> |
| 2:30 | Advances in the Surgical Treatment of CHF <i>O. H. Frazier, MD</i> |
| 3:00 | Break and Exhibits |
| 3:15 | The Development of the Continuous Flow Total Artificial Heart <i>William E. Cohn, MD</i> |
| 3:45 | Hypertrophic Cardiomyopathy and its Treatment <i>A. J. Marian, MD</i> |
| 4:15 | PFO: Device Closures <i>Guilherme Silva, MD</i> |
| 4:45 p.m. | Final Comments and Adjourn <i>James T. Willerson, MD</i> |

Saturday, December 10th Program

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|--------------------|---|
| 7:30AM | Registration and Breakfast |
| 8:00 | Welcome and Introductions <i>James Willerson, MD</i> |
| SESSION I | |
| 8:15 | Update on Hormones & Heart Disease Menopause vs Manopause <i>Stephanie Coulter, MD</i> |
| 8:45 | Peripartum Cardiomyopathy <i>Deborah Meyers, MD</i> |
| 9:15 | Pregnancy Induced Hypertension: Future Implications for Cardiovascular Disease <i>Amy Woodruff, MD</i> |
| 9:45 | BREAK |
| SESSION II | |
| 10:15 | Non-Atherosclerotic Vascular Disease in Women Takatsubo Cardiomyopathy & Microvascular Disease <i>Briana Costello, MD</i> |
| 10:45 | Fibromuscular Dysplasia & SCAD <i>Dianna Milewicz, MD, PhD</i> |
| 11:15 | Heart Failure with Preserved Ejection Fraction (HrEF) <i>Ajith Nair, MD</i> |
| 11:45 | LUNCH Case Studies <i>THI Fellow</i> |
| SESSION III | |
| 1:15PM | Treatment of Non-Coronary Vascular Disease in Women Carotid Disease <i>Zvonimir Krajcer, MD</i> |
| 1:45 | Deep Vein Thrombosis (DVT) & Pulmonary Embolism (PE) <i>TBD</i> |
| 2:15 | Venous Disease <i>Eduardo Hernandez, MD</i> |
| 2:45 | BREAK |
| SESSION IV | |
| 3:00 | Optimizing Clinical Outcomes Acute Coronary Syndromes & Acute MI <i>George Younis, MD</i> |
| 3:30 | Cardiomyopathies <i>Roberta Bogaev, MD</i> |
| 4:00 | Diabetes <i>David Aguilar, MD</i> |
| 4:30PM | Closing Remarks & Adjourn <i>Stephanie Coulter, MD</i> |

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Faculty

ROBERTA BOGAEV, MD

Director, Advanced Heart Failure Outreach; Assistant Professor of Medicine – Cardiology; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

BENJAMIN CHEONG., MD

Director, MRI and CVMRI Research Department; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Houston, Texas

WILLIAM E. COHN, MD

Director, Minimally Invasive Surgical Technology; Director, Cullen Cardiovascular Research Laboratory; Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

DENTON A. COOLEY, MD

Founder, President Emeritus; Texas Heart Institute; Houston, Texas

R. DAVID FISH, MD

Director, Interventional Cardiology Research and Education; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

O.H. FRAZIER, MD

Chief, Center for Cardiac Support; Director, Cardiovascular Surgery Research; Co-Director, Cullen Cardiovascular Research Laboratories; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

ALI J. MARIAN, MD

Professor of Molecular Medicine; Professor of Internal Medicine; The Brown Foundation Institute of Medicine; The University of Texas Health Science Center at Houston; Adjunct Faculty, Baylor College of Medicine; Houston, Texas

VIJAY NAMBI, MD

Assistant Professor of Medicine Atherosclerosis and Vascular Medicine; Baylor College of Medicine; Houston, Texas

EMERSON C. PERIN, MD, PHD

Director, New Interventional Cardiovascular Technology; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

ABDI RASEKH, MD

Cardiologist and Electrophysiologist; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

GUILHERME V. SILVA, MD

Director, Structural Heart Disease; Baylor College of Medicine; Assistant Director, Stem Cell Center; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

JAMES T. WILLERSON, MD*

President; Director of Cardiology Research, and Co-Director of the Cullen Cardiovascular Research Laboratories; Texas Heart Institute; Houston, Texas

JAMES M. WILSON, MD

Cardiologist; Houston, Texas

*Program Director

Faculty

DAVID AGUILAR, MD

Assistant Professor of Medicine; Baylor College of Medicine

ROBERTA BOGAEV, MD

Director, Advanced Heart Failure Outreach; Assistant Professor of Medicine – Cardiology; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

BRIANA COSTELLO, MD

Cardiology Fellow; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Houston, Texas

***STEPHANIE COULTER, MD**

Director, Texas Heart Institute Center for Women's Heart & Vascular Health; Associate Director, Non-Invasive Cardiology; Texas Heart Institute; Houston, Texas

EDUARDO HERNANDEZ, MD

Director, Interventional Cardiology at the Diagnostic Heart Center; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

ZVONIMIR KRAJCER, MD

Program Director, Peripheral Vascular Interventions; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

DEBORAH MEYERS, MD

Medical Director, Heart Failure Programs; Medical Director, Heart Failure Clinic; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Texas Heart Institute; Houston, Texas

DIANNA MILEWICZ, MD, PHD

Director, Division of Medical Genetics; Vice-Chair, Department of Internal Medicine; University of Texas Medical School at Houston; Houston, Texas

AJITH NAIR, MD

Assistant Professor, Cardiology; Baylor College of Medicine; Houston, Texas

AMY WOODRUFF, MD

Clinical Instructor; University of Texas Health Science Center Medical School; Clinical Assistant; Baylor College of Medicine; Houston, Texas

GEORGE YOUNIS, MD

Medical Director, PCI and STEMI Programs; CHI St. Luke's Health - Baylor St. Luke's Medical Center; Associate Program Director, Cardiology Fellowship Training Program; Texas Heart Institute

*Program Director

Meeting Site

The symposium will be held in the Texas Medical Center at the Texas Heart Institute, Denton A. Cooley Building, 6770 Bertner Ave, Houston, Tx., 77030.

Attendees must enter through the Bates Street lobby of CHI St. Luke's Health – Baylor St. Luke's Medical Center (intersection of Bates Ave. and Richard J. V. Johnson Ave.). The conference center is located on the lower level (B1), at the green elevators.

Lodging

There are several hotels in the Texas Medical Center:

MARRIOTT MEDICAL CENTER

6580 Fannin Street
Phone: 713-796-0080

HILTON HOUSTON PLAZA

6633 Travis Street
Phone: 713-313-4000

WYNDHAM HOTEL & SUITES

Houston Medical Center
6800 S. Main Street
Phone: 713-528-7744

Ground Transportation/Parking:

For participants not staying at one of the area hotels, CHI St. Luke's Health – Baylor St. Luke's Medical Center offers valet parking for \$14 per day (no in/out privileges) and self-parking \$12 per day located in front of the hospital. More information on parking and directions for the Texas Medical Center is available online at www.tmc.edu

Cancellation policy

All symposium cancellations must be received in writing by : Monday, November 28, 2016. No refunds will be made after this date. A \$75 processing fee will be assessed for each canceled reservation. No refund will be made for those who otherwise register, but do not attend. Texas Heart Institute reserves the right to cancel the symposium if enrollment is deemed insufficient.


REGISTRATION

| | |
|--|--|
| FIRST NAME | LAST NAME |
| TITLE: <input type="checkbox"/> MD <input type="checkbox"/> PhD <input type="checkbox"/> DO <input type="checkbox"/> OTHER _____ | |
| AFFILIATION/INSTITUTION _____ | |
| SPECIALTY: _____ | |
| ADDRESS _____ | |
| CITY | STATE/PROVINCE |
| POSTAL CODE | COUNTRY |
| TELEPHONE | FAX |
| E-MAIL | <input type="checkbox"/> Subscribe me to <i>cme-news</i> newsletter (email address required) |

Registration fee includes all course materials, continental breakfast, lunch and breaks.

****Discounted Rate for Attending both Programs (Texas Update & Women's Symposium)****

| | Texas Update Only | Women's Only | **Texas Update & Women's** |
|---|--------------------------------|--------------------------------|--------------------------------|
| Physicians (MD, DO) | <input type="checkbox"/> \$225 | <input type="checkbox"/> \$175 | <input type="checkbox"/> \$300 |
| Non-Physicians (Nurses, Nurse Practitioners, Other Allied Health Professionals) | <input type="checkbox"/> \$150 | <input type="checkbox"/> \$125 | <input type="checkbox"/> \$200 |
| Fellows-in-training, Residents | <input type="checkbox"/> \$125 | <input type="checkbox"/> \$125 | <input type="checkbox"/> \$200 |

Please indicate if you need special assistance. 
You will be contacted by a staff member.

All fees should be in US dollars, drawn on a US bank, and made payable to Texas Heart Institute.

Enclosed is my check or money order for \$ _____

VISA MasterCard AmEx Discover

Account # _____

Signature _____ Exp. date _____

Fax this registration form only if payment is being made by credit card. Otherwise, mail the registration form and fee to—

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