

# Global Education & Training: I HEAL Cardiovascular Imaging Program

## Leading Medicine: CMR – April 23-27, 2018

This Integrated Health Education And Leadership (I HEAL) annual program provides cardiologists an opportunity to gain a general overview of the latest developments in treating a wide spectrum of cardiovascular diseases. In addition to this, participants will get an inside look at the advances made in cardiovascular imaging, like Cardiovascular Magnetic Resonance (CMR). Participants will gain a clinical observership exposure to key areas within the Houston Methodist DeBakey Heart & Vascular Center, as well as its leading cardiologists, cardiovascular surgeons, and other experts. Learners will also get access to the annual *Houston Methodist CMR Event*. This experience includes didactic lectures, case studies, and hands-on workshops. This event will be held at Houston Methodist's Research Institute, which is home to our hi-tech research facility, also known as MITIE<sup>SM</sup>.

### What is MITIE<sup>SM</sup>?

Methodist Institute for Technology, Innovation, & Education (MITIE<sup>SM</sup>) is an innovative virtual hospital and hands-on clinical training facility for health care professionals seeking to maintain excellent procedural skills and acquire new proficiencies. MITIE<sup>SM</sup> comprises over 35,000 square feet of space that allows state-of-the-art technology to be available at learner's fingertips.

### Program Objectives:

#### Clinical Observership Objectives

- Develop an understanding of the Houston Methodist Structure and ICARE values while gaining familiarity with the Houston Methodist Hospital campus.
- Acquire insight into the various roles involved in team-based care across the care continuum for patients diagnosed with cardiovascular disease and related illnesses.
- Observe day to day clinical operations to acquire insight to be used as a basis to formulate related clinical questions.
- Gain exposure to the use of echocardiography and other cardiac imaging techniques to recognize, understand, and manage patients with congenital heart disease.
- Review processes in place for comprehensive education of patient and family regarding care.
- Participate with Grand Rounds, Journal Clubs, etc.

#### Houston Methodist CMR Event Educational Objectives

Upon completion of this course, the participant should be able to:

- Apply the basics of MRI physics to CMR.
- Demonstrate the appropriate use of CMR for cardiac/vascular imaging.
- Describe assessment and principles of vascular imaging.
- Demonstrate knowledge of case interpretations.
- State the appropriate use of stress imaging.

### Program Outline:

Learners will be assigned physicians and departments within the Houston Methodist DeBakey Heart & Vascular Center to rotate within spending a total of 4 days observing leading up to the Houston Methodist CMR Event. The Global Education and Training team will evaluate the CV of participants to determine best observation assignment.

- **Day 1:** Welcome Orientation and Tour of HMH Facility
- **Day 1 to 5:** Houston Methodist CMR Event at the Houston Methodist Research Institute

### Sample Symposium Topics

- Exploring the latest in minimal-access cardiac surgery with an emphasis on hybrid approaches.
- New training techniques for treating patients, improving outcomes, and maintaining a competitive advantage.
- Innovative interventions for cardiac valve repair, coronary revascularization, ablation of atrial fibrillation, aortic pathology and heart failure.

### Program Cost:

Contact Global Education Office for pricing. International learners are responsible for airfare, hotel accommodations and transportation. Houston Methodist Global can provide guidance on accommodation options.

### Houston Methodist Global Health Care Services (HMG)

HMG is committed to building health care capacity globally through transferring best practices. HMG offers educational programs designed for healthcare providers and professionals at every stage in their career, providing these individuals with the opportunity to learn using the most advanced technology and processes from HMH. With experienced faculty, established educational infrastructure, and training expertise, HMG has proven ability in coordinating, developing and delivering exceptional educational programs.

The above program is part of HMG's Revolving Education Development Series which is divided into two initiatives: the Innovative Leadership Experience And Development program (I LEAD) which targets clinicians and non-clinicians interested in enhancing their leadership skills and advancing their institutions overall operations, and the Integrated Health Education And Leadership program (I HEAL) which targets clinicians only and allows learners to immerse themselves quickly in a specific health care topic of interest that aligns with our Centers of Excellence. Under the RED Series, programs do not exceed 5 days and are offered seasonally.

### FOR QUESTIONS CONTACT US:

713-441-2340

[globaleducation@houstonmethodist.org](mailto:globaleducation@houstonmethodist.org)