FACULTY

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and The Methodist Hospital

FIVE-DAY COURSE
CARDIAC SUPPORT TECHNOLOGY
A Comprehensive Overview of Mechanical Support of the Failing Heart

Texas Heart Institute
at St. Luke’s Episcopal Hospital
Center for Cardiac Support
6770 Bertner Avenue, MC 1-268
Houston, Texas 77030
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COURSE DESCRIPTION
Mechanical cardiac support is a rapidly increasing treatment for patients with advanced heart failure. Because of the special care required for patients who need cardiac support, we developed a course to train health care professionals in the use of the various cardiac support technologies. Through lectures, discussions, case presentations, and laboratory exercises, course participants will learn the best treatment options for their patients who require cardiac support. The course will be delivered by staff from the Texas Heart Institute’s Center for Cardiac Support. The staff’s extensive experience in the field and the Texas Heart Institute’s state-of-the-art facilities provide a unique educational opportunity for participants.

During the 5-day course, participants will study 10 cardiac support systems that are now used worldwide for supporting patients with acute and chronic heart failure. Participants will learn about patient selection and implantation techniques for each system and about supportive medical care for patients. Anticoagulation assessment and management, echocardiography assessment, treatment of right heart failure, preoperative and postoperative medical management, and hospital discharge planning will also be discussed. The history and future of cardiac support technology will be introduced.

The following cardiac support systems will be discussed during the course:
- Abiomed AB Ventricle
- Abiomed BVS 5000
- HeartMate II
- HeartMate XVE
- HeartWare HVAD
- Impella 2.5 and 5.0 VAS
- Jarvik 2000 LVAS
- Levitronix Centrimag
- Micromed-Debakey VAD
- TandemHeart

To maximize learning, each course will be limited to the first 12 registrants. This course will be repeated as often as monthly to accommodate all registrants.

TARGET AUDIENCE
Physicians, fellows, nurses, perfusionists, physician assistants, clinical engineers, industry representatives, and other health care professionals who care for patients with heart failure.

LEARNING OBJECTIVES
At the end of the course, participants should be able to:
- List the cardiac support systems that are intended for short-term use in patients with acute heart failure
- List the cardiac support systems that are intended for long-term use in patients with chronic heart failure
- Discuss the critical patient selection issues for each cardiac support system
- Discuss the pre-implant and post-implant medical care for patients supported by each system
- Describe all components for each cardiac support system
- Properly operate and troubleshoot problems for each cardiac support system (in the laboratory)
- List the major complications of cardiac support and discuss measures to avoid these complications
- Describe emergency or backup measures to be used in the event of a system failure
- Discuss the hemodynamic differences between support by a continuous flow pump and an intermittent flow pump.

DATES AND PROGRAM LOCATION
The 5-day course will be held as often as monthly, depending on the number of registrants. Please see the Web site for course dates.

The course will be conducted at—
Texas Heart Institute
at St. Luke’s Episcopal Hospital
Texas Medical Center
6770 Bertner Street
Room P0064
Houston, TX 77030

REGISTRATION FEES
Fees for the 5-day course are listed below. Fees include all course materials and breakfast and lunch each day. There will be a $50 non-refundable cancellation fee. Fees must be paid 30 days in advance of the course. Transportation and housing costs are the responsibility of the participant.

| Industry representatives | $1200 |
| Physicians                | $  800 |
| Perfusionists, nurses, and engineers | $  750 |
| Fellows-in-training       | $  600 |

LODGING
The Medical Center Marriott, Best Western Medical Center, Holiday Inn Houston—Medical Center, and the Plaza Hilton are all located within walking distance to the Texas Heart Institute. Other nearby hotels include Residence Inn by Marriott Astrodome and Rodeway Inn & Suites.

For the latest program information and registration forms, visit us online at texasheart.org/scs