# **Hybrid Operating Room**

## Clinical advantages and enhanced flexibility for every procedure

### **Legacy Emanuel Medical Center**

Legacy Emanuel Medical Center was founded in 1912 by the Rev. Carl Renhard and members of the Swedish First Immanuel Lutheran Church. Grounded in their desire to provide a place for "the care of the sick and the work of mercy," Legacy Emanuel has grown over the past 100 years into a health care leader in surgery, as well as trauma, burns, and pediatric and critical care medicine. As we move into our second century of service, our commitment is to continue to provide the most advanced medical and surgical treatments to those we serve. As the way we care for our patients advances, the technology required to support this care also changes.



Legacy Health is making significant investments at the Emanuel campus in the areas of critical and emergency care in order to provide the highest quality care for our patients. Among these investments is the construction of a hybrid operating room.

#### An innovation in surgical care

Increasingly, clinicians require more versatile environments that enable them to perform minimally invasive procedures as well as more complex "open" surgeries within the same operative space. A hybrid operating room (OR) addresses these clinical needs while achieving two important goals: better quality of care and better medical outcomes.

A hybrid OR provides the appropriate operative setting by combining minimally invasive and interventional surgical technologies with medical imaging and communication in one operating room. The room is equipped with state-of-the-art surgical equipment so physicians can quickly operate if a patient develops a complication – saving critical time and minimizing the risks of emergency transport.

#### The benefits of a hybrid operating room

Physicians treat both adult and pediatric patients in a hybrid OR. Such ORs are increasingly becoming the preferred environment for performing many pediatric heart procedures, including the treatment of patients with congenital heart disease. There are also many adult and pediatric neurosurgical, vascular, cardiac, interventional radiology and orthopedic procedures that are best performed in this type of setting. The benefits include:

- A safer environment for high-risk patients who might require an emergent open surgical procedure
- A setting that allows minimally invasive and open surgical procedures to be performed at the same time
  or within a short amount of time by teams working collaboratively (for example, cardiologists and cardiac
  surgeons)
- An environment that enables a minimally invasive procedure in lieu of an open approach surgery
- State-of-the-art technology to perform new types of procedures

This interdisciplinary, multifunctional room will bring greater efficiency and the latest medical technology, resulting in improved medical outcomes and shorter patient stays. In addition, it will provide enhanced patient safety and satisfaction by enabling physicians to transition from minimally invasive to open surgical procedures without moving the patient.

#### Your support is needed

In 2011, Legacy Emanuel Medical Center served more than 15,300 surgery patients, with almost half being pediatric. These numbers are only expected to rise. A hybrid OR is considered a logical choice for maximizing the use of health care resources while improving the quality of patient care. This approach provides faster, safer surgeries and uses technologies that integrate diagnosis and treatment in one space, allowing for greater collaboration and communication between medical specialists. This, in turn, improves the quality of patient care, patient and physician satisfaction, and overall surgical efficiency.

We are asking donors to consider contributing to this essential technology. The philanthropic goal is \$500,000 and will support facility hybrid OR build-out and the purchase of state-of-the-art equipment. Through your support of the hybrid OR, we will enhance Legacy Emanuel's role as the region's trauma hospital of choice and offer services that allow residents to receive specialized care close to home.

To make a gift, please contact Angelo Turner, executive director of Emanuel Medical Center Foundation at 503-413-4588 or angturne@lhs.org. You can also visit www.legacy.org/giving.

Thank you for your consideration of support.

