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Digital 3-D Technology to Provide Enhanced Cardiac Care

Kansas City, Mo. – State-of-the-art digital 3-D echocardiogram technology will soon be making it easier for physicians to diagnose cardiac conditions in patients at the Carondelet Heart Institute at St. Joseph Medical Center.

Eight new GE Vivid E9 machines, which arrived at the Carondelet Heart Institute on Monday, December 20, will replace the current system to provide digital echocardiogram studies with significantly improved imaging quality. Three of the machines also have 3-D capability, which is the newest echocardiogram technology, revolutionizing evaluation of valvular structures and stress tests. The Carondelet Heart Institute at St. Joseph is one of only a few hospitals in the Kansas City area to offer the 3-D technology.

“Echocardiograms are the cornerstone for assessing cardiac conditions, and the 3-D capability will allow us to conduct studies like never before,” said Dan Sun, MD, Cardiologist with CHI. “Whereas in the past we tended to have difficulties capturing the multiple views of the left ventricle right after stress in order to diagnose coronary artery disease, with the 3-D capability, we will be able to capture a single heart beat and assess ventricle wall motions three dimensionally. This will significantly improve study quality and accuracy. 3-D technology will also provide better images for assessing valvular structures.”

For more information about the Carondelet Heart Institute at St. Joseph, call 816-943-2787.

St. Joseph Medical Center is an acute care facility of Carondelet Health (CarondeletHealth.org) which also includes St. Mary's Medical Center, three long-term care facilities and home care services. Carondelet Health is dedicated to the healing ministry of Jesus Christ. Our commitment to human dignity compels us to provide compassionate, quality healthcare for body, mind and spirit, with a special concern for the poor. We are responsible stewards serving the needs of all people from conception to death. Carondelet Health is a member of Ascension Health, the nation's largest Catholic and nonprofit health system.