

FOR IMMEDIATE RELEASE

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## **GOOD SAMARITAN MEDICAL CENTER NOW OFFERING MAKOPLASTY® HIP**

### ***Robotic Arm Technology Enables a New Level of Precision in Total Hip Replacement***

**WEST PALM BEACH, Fla.** (October 2011)– Good Samaritan Medical Center is the first in Palm Beach County to offer MAKOplasty® Hip, the latest innovation in total hip replacement surgery performed using the RIO® system, a highly advanced, surgeon-controlled robotic arm system that enables the accurate alignment and positioning of implants. This new procedure will be offered through the Joint and Spine Institute at Good Samaritan Medical Center.

“Getting an artificial hip positioned correctly is an important aspect in improving surgical outcomes and the lifespan of the implants used for hip replacement,” said Mark Nosacka, CEO of Good Samaritan Medical Center. “The robotic arm technology enables us to more accurately achieve the biomechanical alignments that are planned to fit the patient’s unique anatomy.”

Accurate alignment and positioning of implants using traditional manual total hip replacement techniques can be challenging. Massachusetts General Hospital recently reported in *Clinical Orthopaedics and Related Research* that of 1,823 hip replacement patients treated over a sustained period of study, only 50% had acetabular cups positioned in the desired zone of proper inclination and version.

“Traditionally, the surgical placement of hip implants has been done by sight and feel,” said Dr. Elvis Grandic, orthopedic surgeon on staff at Good Samaritan Medical Center. “With this technique there is a lot of pressure on the surgeon to get the right placement because if the implant is off just a few millimeters the patient may feel discomfort. Now, with the MAKO technology, we can minimize that risk by using robotic assisted techniques that can offer a more precise and accurate hip implant placement and fit.”

Here’s how MAKOplasty Hip works: The RIO system provides a patient-specific 3-D image of the patient’s hip based on a pre-operative CT scan. Using the 3-D model, the surgeon can then plan the optimal size and position of hip implant components. An implant consists of a cup and liner placed in the acetabulum or the socket of the pelvis, and a femoral component with a

femoral head and stem. The position of these components is critical for proper biomechanical reconstruction of the hip.

During surgery, RIO provides visualization of the joint and biomechanical data to guide the bone preparation and implant positioning to match the pre-surgical plan. First the surgeon prepares the femoral bone for the implant, and subsequently measures the femoral component's position with the RIO. Next the surgeon uses the robotic arm to accurately ream and shape the acetabulum, and then implant the cup at the correct depth and orientation. Finally the surgeon implants the femoral implant and RIO provides summary data to confirm the hip implants are aligned according to plan.

MAKOplasty Hip is designed to assist surgeons in attaining a new level of reproducible precision in surgery, to restore patients' confidence in their mobility and help them return to active lifestyles.

Like other total hip replacement procedures, MAKOplasty Hip may be a treatment option for people who suffer from either non-inflammatory or inflammatory degenerative joint disease.

For more information on MAKOplasty Hip, please visit [www.goodsamaritanmc.com](http://www.goodsamaritanmc.com) or call (561) 655-5511.

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### **About Good Samaritan Medical Center**

Good Samaritan Medical Center is a 333-bed acute care hospital, which has been providing sophisticated, personalized medical care to the populations of Palm Beach County and the Treasure Coast for more than 90 years.

As one of the area's leading cancer centers, the hospital's Cancer Institute provides comprehensive cancer services through the Comprehensive Breast Center, Gamma Knife Radiosurgery, and a Bone Marrow/Stem Cell Transplant Unit. The Surgical Institute offers patients minimally invasive surgical techniques through advanced surgical robotic technology. The hospital also cares for patients with known or suspected cardiovascular diseases through its Cardiac and Vascular Institute. Good Samaritan Medical Center was featured in a special advertisement in the "America's Best Hospitals" 2010 issue of US News & World Report to commemorate their receipt of the *Get With the Guidelines* Coronary Artery Disease GOLD Award, GOLD Heart Failure Award, and SIVER Stroke Award. Certified as a Primary Stroke Center by the Joint Commission, Good Samaritan delivers timely, advanced protocols proven to save the lives and health of stroke patients.

In addition, Good Samaritan is proud to feature "Special Deliveries," its maternity services department. The hospital houses The Newbern Suites, which are private recovery suites that offer quiet relaxation and wonderful amenities. Many additional services are available on the

Good Samaritan Medical Center campus through the Sleep Disorders Center, a full-service, 24-hour Emergency Department, and a wide range of diagnostic and surgical outpatient services. Good is also home to The Palms Medical Detoxification, one of a select few hospital-based medically supervised alcohol and drug detoxification centers.

To learn more about Good Samaritan Medical Center, or to find a doctor, visit [www.goodsamaritanmc.com](http://www.goodsamaritanmc.com) or call 561-655-5511.