



## For Immediate Release

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### **Palm Beach Gardens Medical Center Acquires Two Mako SmartRobotics™ for Robotic-Arm Assisted Partial Knee Replacement and Total Knee and Hip Replacements**

*Innovative robotic technology allows surgeons to personalize procedures to each patient*

**Palm Beach Gardens, FL (September 7, 2022)** – Palm Beach Gardens Medical Center advances its orthopedic program as the only and first hospital in Palm Beach County to acquire two Mako SmartRobotics™. The first case at the hospital using the Mako SmartRobotics™ was completed today by Dr. Robert Avino, orthopedic surgeon.

Mako SmartRobotics™ offers a more precise and consistent result for partial knee replacement, and total knee and hip replacements. Mako SmartRobotics™ patients may experience a shorter hospital stay, quicker recovery and a smaller incision as compared to surgery completed without the robotic-arm assisted technology. In addition, many return to an active lifestyle within weeks of the procedure. Mako SmartRobotics™ partial knee replacements can be performed on either the inner, top, or outer compartment of the knee. It can also be performed as a bicompartamental procedure on both the inner and top portions of the knee.

Mako SmartRobotics™ allows patients with osteoarthritis to be treated at earlier stages and with greater precision. Because it is less invasive, and in some cases, more of the patient's natural joint remains, the goal is for patients to have more natural knee or hip motion post-operatively. The opportunity for early intervention is important as OA is the most common form of arthritis and a leading cause of disability worldwide, according to the American Academy of Orthopaedic Surgeons.

Through its innovative use of technology, Mako SmartRobotics™® takes partial knee replacement total hip and knee replacements to a new level of precision. When performing Mako SmartRobotics™, surgeons at Palm Beach Gardens Medical Center utilize a tactile robotic arm, and a 3-D virtual patient specific visualization system.

This system provides the surgeon a pre-surgical plan that details the technique for bone preparation and customized implant positioning using a CT scan of the patient's knee or hip. During the procedure, the system creates a three-dimensional live-action, virtual view of the patient's bone surface and correlates the image to the pre-programmed surgical plan. As the surgeon uses the robotic arm, its tactile, acoustic and visual feedback limits the bone preparation



to the diseased areas and provides for more optimal implant positioning and placement for each individual patient.

“We are proud to add the Mako SmartRobotics™ to our award-winning orthopedic program with the intention that shorter recovery times can help get our patients back out doing what they love quickly,” said Teresa Urquhart, CEO of Palm Beach Gardens Medical Center. “Expanding our robotic orthopedic service line capabilities further demonstrates our commitment to provide the community with outstanding healthcare.”

For more information about Mako SmartRobotics™, contact Palm Beach Gardens Medical Center’s Director of the Orthopedic service line at 1-855-769-2969, or log on to <https://www.pbgmc.com/services/orthopedics/contact-an-orthopedic-navigator>.

#### **About Palm Beach Gardens Medical Center:**

Palm Beach Gardens Medical Center is a 199-bed acute care hospital serving the medical and healthcare needs of Palm Beach County and the Treasure Coast for over 50 years. The hospital was the first in Palm Beach County and the Treasure Coast to perform open-heart surgery and has since remained one of the area’s leading heart hospitals, having performed over 19,000 open-heart surgeries and more than 100,000 cardiac catheterizations to date.

Palm Beach Gardens Medical Center offers comprehensive cardiac care and advanced minimally-invasive procedures including Transcatheter Aortic Valve Replacement (TAVR), MitraClip, and Watchman. The hospital is the first in Palm Beach, Broward and Martin County to adopt the minimally invasive convergent approach to treat patients with atrial fibrillation. The hospital’s outpatient cardiac rehabilitation program is designed for people recovering from a heart attack, coronary bypass or valve surgery, and angioplasty or stent procedures.

Palm Beach Gardens Medical Center offers advanced orthopedic care to our community. Some of the services offered include: total joint replacements for hip, knee and shoulder, sports medicine, arthroscopy, podiatry, fracture management and inpatient/outpatient rehabilitation as well as Mako SmartRobotics™ and CORI robotic-assisted surgical system to perform knee replacements.

Additional services include an Advanced Certified Primary Stroke Center, diagnostic imaging, general and robotic surgery, an Epilepsy Program and 24-hour emergency care. Palm Beach Gardens Medical Center’s Emergency Department offers all private rooms and is equipped with technology to help increase patient comfort, reduce wait times and provide up-to-the-minute patient status, as well as immediate access to film-based radiological images, interpretations and related data. The hospital’s Epilepsy Program is the first of its kind in Palm Beach County to have a dedicated Epilepsy Monitoring Unit that is equipped with long-term video monitoring, a specialized form of an EEG for patients who suffer from seizures. The hospital acquired the da Vinci Xi Robotic Surgical System which can be used across a spectrum of minimally-invasive procedures such as cardiovascular, colorectal, general surgery, gynecology, urology and more.

The hospital was the recipient of the American Heart Association’s Get With The Guidelines – Stroke Gold Plus Quality Achievement Award with Target: Stroke Honor Roll Elite Plus from 2015 – 2021, and also was named a High Performance Hospital for COPD and stroke in U.S. News and World Report’s 2021-2022 Best Hospitals. Palm Beach Gardens Medical Center was also named as the best heart center in Palm County from the Palm Beach Post 2020 Best of Palm Beach County Awards. For more information or for a complimentary physician referral, please call (833)-619-8831 or visit [www.pbgmc.com](http://www.pbgmc.com).