

Script – Broadcast – Get a leg up on orthopedic surgery

INTRO

Two of the biggest concerns orthopedic surgeons hear from their patients who suffer knee or hip issues are ongoing pain and lifestyle disruptions. At OSF HealthCare Saint Elizabeth Medical Center in Ottawa, Illinois, advanced robotic-arm assisted joint replacement technology has become a game-changer for both patients and their care team.

The system is a Stryker Mako SmartRobotics system. This technology allows orthopedic surgeons to personalize partial knee, total knee and hip replacement procedure for patients. Doctors say the biggest advantages to using this system are better outcomes, improved accuracy and a quicker recovery for the patient. OSF Saint Elizabeth began utilizing the Mako robotic system last year, joining other OSF hospitals that offer the technology.

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Dr. Connor Kasik, orthopedic surgeon, OSF HealthCare

"A typical patient has pain in their knee or hip every single day. The pain interferes with their activities of daily living. They can't perform activities without the pain and it's debilitating enough that they look for surgical intervention to help them out." (:19)

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The first step with the Mako system starts with a CT scan of your knee or hip joint, which is loaded into the Mako software and used to develop a 3D virtual model of your specific anatomy. The virtual model created from the CT scan helps the surgeon create a patient-specific surgical plan. In the operating room, the surgeon guides Mako's robotic arm to remove arthritic bone and cartilage from the knee or hip. After the removal of the diseased bone, the implant is placed into the joint.

Robert Mitchell, DO, has been an orthopedic surgeon for nearly 30 years and provides care at OSF Saint Elizabeth.

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Dr. Robert Mitchell, orthopedic surgeon, OSF HealthCare

"This Mako robotic assisted surgery allows us to use those 3D images and we can move implants around; we can position it better. Especially for total knees, we can move the knee virtually and see how well it's going to move before we make any bone cuts, or we implant it." (:20)

TAG

The greatest benefit for patients is a quicker recovery. Most people go home the next day, with some even discharged on day of surgery. Patients will continue their recovery with physical therapy and follow-up appointments with their physician.