



**-FOR IMMEDIATE RELEASE-
Orthopaedic Surgeon Jason Boyd, M.D., Using Innovative Approach
For Shoulder Replacements at SRMC**

(SALEM, OHIO) – April 7, 2021 – Fellowship-trained Orthopaedic Surgeon Jason Boyd, M.D., is now utilizing groundbreaking ExactechGPS® technology at Salem Regional Medical Center (SRMC) to enhance shoulder replacement surgery for patients.

Total Shoulder Replacement

“Shoulder problems are very common and can develop as a result of an injury or disease, such as arthritis,” Dr. Boyd explained. “This can cause severe pain, stiffness and reduced range of motion in the affected joint, making it difficult to perform normal daily activities.”



Fellowship-trained Orthopaedic Surgeon Jason Boyd, M.D., is now utilizing groundbreaking ExactechGPS® technology at Salem Regional Medical Center to enhance shoulder replacement surgery for patients.

“If medications, activity changes or other non-surgical treatments are ineffective in relieving pain, shoulder joint replacement may be recommended. During shoulder replacement surgery, the damaged parts of the shoulder are removed and replaced with artificial implants. The implant components typically consist of a stem with a smooth, rounded metal head that fits into a plastic socket.”

ExactechGPS®

According to Dr. Boyd, the primary goal of shoulder replacement surgery is to relieve pain, as well as to restore motion, strength and function of the shoulder. During joint replacement surgery, exact alignment and placement of the implant is critical to the overall function of the joint.

To help ensure precise placement of the new joint, Dr. Boyd uses the ExactechGPS® Guided Personalized Surgery system that is customized for each patient’s unique bone structure and anatomy.

“No two shoulders are exactly alike,” he said. “Similar to a GPS navigation system in your car, ExactechGPS® provides a unique visual roadmap of each patient’s shoulder to help plan the surgery and guide the most precise placement of the implant specific to the patient’s body.”

“Prior to surgery, a CT scan of the patient’s shoulder is obtained and imported into the ExactechGPS® software to create an interactive, three-dimensional model of the patient’s joint. Using this information, I am able to plan the surgery in advance through a virtual simulation, which allows me to identify any potential challenges and determine the optimal position to place the implant based on the patient’s anatomy.”

“When it comes to replacing a joint, even a few millimeters can make a significant difference in the overall outcome of the surgery for patients. Achieving the most exact shoulder implant placement possible can enhance the range of motion and function of the patient’s joint, along with minimizing wear and tear on the new joint to increase its lifespan.”

“While performing the joint replacement, the 3-D images enable me to see important parts of the shoulder’s structure that are normally hard to view during surgery and help me to verify where to position the implant with a very high level of precision.”

Jason Boyd, M.D., is a Fellowship-trained Orthopaedic Surgeon affiliated with Salem Orthopaedic Surgery and the medical staff of Salem Regional Medical Center, where he performs total shoulder replacements and other advanced orthopaedic procedures. His office is located on SRMC’s first floor, 1995 East State Street in Salem, 330-332-7840.