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## **Doshier Launches The Use of Robotic Arm Assisted Surgery for Total Knee Replacements**

SOUTHPORT - Doshier Memorial Hospital is the first hospital in the region to utilize robotic arm assisted surgery for total knee replacements. This advancement in joint replacement surgery transforms the way total knee replacements are performed.

Total knee replacements in the United States are expected to increase 189% by 2030, yet studies have shown that approximately 20% of patients are dissatisfied after their conventional surgery. Through CT based 3D modeling of bone anatomy, our surgeon can now use the Mako SmartRobotics™ System to create a personalized surgical plan based on a patient's unique anatomy and to virtually modify the surgical plan intraoperatively as needed.

In clinical studies, Mako SmartRobotics™ Total Knee demonstrated the potential for patients to experience less pain, less need for opiate analgesics, less need for inpatient physical therapy, reduction in length of hospital stay, improved knee flexion, and soft tissue protection in comparison to manual techniques.

"Mako technology is changing the way joint replacement surgeries are performed by enabling surgeons to provide each patient with a more predictable and accurate surgical experience based on their specific diagnosis and anatomy. This results in a shorter recovery with decreased need for post-operative pain medications," said Dr. Brad Hilaman, Doshier CEO and Chief Medical Officer.

"This new robotic assisted technology has been shown to improve accuracy for implant placement, lower pain scores, and allows earlier return to normal activities," said EmergeOrtho's Eric J Lescault, DO who pioneered robotic-arm assisted surgery at J. Arthur Doshier Memorial Hospital in Southport."

Lynda Stanley, President of Doshier Memorial Hospital and Foundation said, "Our new offering of the SmartRobotics™ System is part of Doshier's commitment to providing the

community with outstanding healthcare. We are proud to be at the forefront of this innovative technology.”

To learn more about Mako Total Knee surgery, visit [www.Dosher.org/Robot](http://www.Dosher.org/Robot) or call 910-454-4671.

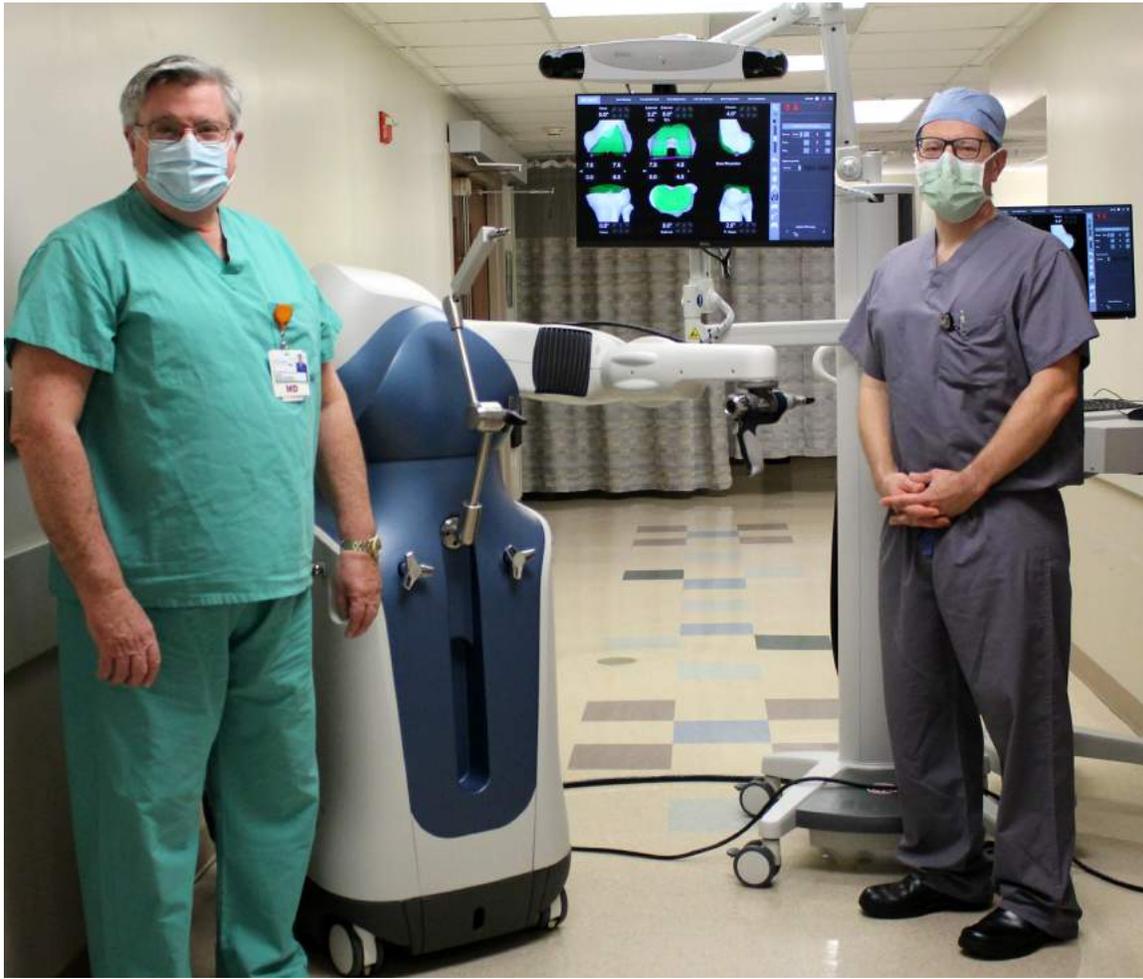
### **About Dosher**

Dosher is an independent critical access hospital located in Southport, North Carolina which operates a network of medical and surgical services in the Smithville Township area. Dosher operates six primary care clinics in southern Brunswick County, as well as a medical clinic on Bald Head Island open seasonally, a Convenient Care, a general surgery practice, and a women’s health clinic.

### **About Eric Lescault, DO**

Eric J. Lescault, D.O., specializes in adult joint replacement and sports medicine at EmergeOrtho. Dr. Lescault graduated from the University of New England College of Osteopathic Medicine and completed his internship at Walter Reed Army Medical Center in Washington, D.C. After serving as a flight surgeon in the U.S. Army, he completed his orthopedic residency at Memorial Hospital in York, P.A., which included an affiliation with Johns Hopkins and Sinai Medical Center in Baltimore, MD. He continued his military service by providing orthopedic care at Womack Army Medical Center at Ft. Bragg, N.C., and proudly served as Chief Orthopedic Surgeon at his base during Operation Iraqi Freedom.

**Editor’s note: See Page 3 for photo and caption.**



**Dr. Brad Hilaman, CEO, CMO, Doshier Memorial Hospital and Joint Replacement Specialist Dr. Eric Lescault of EmergeOrtho stand with the SmartRobotics™ system now used at Doshier for total knee replacements.**

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