Innovative Robotic Technology for Knee Replacement

Jenny King  August 01, 2017

Innovative Robotic Technology allows surgeons to personalize total knee replacement procedures to each patient.

(Newswire.net -- August 1, 2017) Bend, Oregon -- Orthopedic surgeons at The Center Orthopedic & Neurosurgical Care are now performing total knee replacements with new robotic arm technology. This latest advancement in joint replacement surgery transforms the way total knee replacements are performed.

The Mako Robotic-Arm Assisted Surgery System uses a virtual 3D model to allow surgeons to create a personalized surgical plan for each patient before entering the operating room. The model is created with CT scans of the patient’s knee, which help identify the implant size, orientation and alignment based on each patient’s unique anatomy. In the operating room, the surgeon is able to make any necessary adjustments to the surgical plan to ensure optimal outcomes.

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The Mako Total Knee application is a knee replacement treatment option designed to relieve the pain caused by joint degeneration due to osteoarthritis. According to the American Academy of Orthopedic Surgeons (AAOS), nearly half of American adults develop knee osteoarthritis in at least one knee in their lifetime.

Partial knee replacement and total hip replacement procedures were performed with Mako technology in Central Oregon starting in 2016. “It’s exciting to now be able to offer this transformative technology to perform total knee replacements,” said Blake Nonweiler, MD. For more information visit www.thecenteroregon.com.
About The Center Orthopedic and Neurosurgical Care

The Center is a leader in the diagnosis and treatment of all musculoskeletal conditions, with ten locations throughout Central Oregon. Founded in 1954 as Bend Orthopedic and Fracture, the practice continues to be driven by leading best practice and innovation. With a staff of 20 physicians and 19 mid-level providers, our expertly trained specialists in orthopedic surgery, neurosurgery, physical medicine and rehabilitation, sports medicine, and occupational medicine, The Center is here to keep our community healthy, active, and strong. To learn more visit www.thecenteroregon.com.

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