

Minimally Invasive Hip Replacement

Surgeons from Concord Orthopaedics perform procedure that potentially reduces recovery period

Surgeons from Concord Orthopaedics are now performing a **new minimally invasive hip replacement treatment option for eligible patients that is currently only available in Northern New England at Concord Hospital.** Using a specially designed operating table, surgeons gain improved access to a patient's hip and leg for prosthesis placement. Such access requires less cutting of tissue and muscle during surgery, thereby potentially reducing the recovery period.

According to the American Academy of Orthopaedic Surgeons, more than 234,000 total hip replacement surgeries are performed annually in the United States and that number is expected to continue to increase. Concord Hospital affiliated surgeons currently perform the second-highest number of hip replacement surgeries in the State.

With the hana[®] Hip and Knee Arthroplasty table from Mizuho OSI, surgeons position a patient to reach the hip joint from the front (anterior) of a patient's hip, rather than conventional operating tables that only allow the lateral (side) or posterior (back) options.

"With this innovative arthroplasty table, surgeons work *between* two of the muscles that support the hip joint," said Dr. Jeffrey Wiley, a board-certified and Harvard Medical School fellowship-trained orthopaedic surgeon specializing in total joint replacement with Concord Orthopaedics. "This avoids trauma to the important supportive muscles of the hip joint that occurs during other surgical approaches. The specially designed table also allows surgeons to improve accuracy in prosthesis placement because X-ray imaging is more easily utilized throughout the procedure."



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Surgical eligibility is determined through discussions between a patient and their surgeon. "The goal of any hip replacement surgery is to provide patients with a long-lasting hip and that can be obtained through a number of surgical approaches," said Dr. Gary Jones, a board-certified orthopaedic surgeon with Concord Orthopaedics.



“However, studies have shown that there is less risk of dislocation following the anterior approach compared to other approaches, due to muscle preservation and improved accuracy in prosthesis placement, which in turn helps patients potentially recover faster. With this surgical approach, the immediate benefits are less muscle trauma, less post-operative limitations on range of motion and less reliance on adaptive restroom equipment or aids for daily living since there are lessened dislocation concerns.”

Additional potential benefits for patients include:

- ⦿ Shortened length of hospital stay;
- ⦿ Decreased need for physical therapy;
- ⦿ Quicker return to normal activities.

With unmatched clinical expertise, compassionate personalized medical care, first-rate facilities, and the latest technology, Concord Hospital Center for Orthopaedic Care is the optimal choice to meet your orthopaedic needs.

Patient Jerome Brewer of Laconia is assisted by Carolyn Preve, RN.



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For more information, call Concord Orthopaedics, PA at (603) 224-3368, visit www.concordortho.com, call Concord Hospital Center for Orthopaedic Care at (603) 230-6390 or visit www.concordhospital.org.

Image courtesy of Dr. Jeff Wiley, Concord Orthopaedics

Pre-op X-ray of right hip shown at right and right hip replacement X-ray shown in above image.

