

Robot-Guided Total Hip Arthroplasty

Total Hip Arthroplasty (THA) is a procedure known as total hip replacement that is supported by robotic arm technology. This innovative solution was designed for patients who suffer from non-inflammatory or inflammatory degenerative joint disease. Robot-guided surgery enables surgeons to achieve a new level of precision using the latest techniques in total hip replacement and is designed to restore patient mobility and active lifestyle.

Robotic arm technology provides your surgeon a patient-specific 3-D model to pre-plan your hip replacement. During the procedure, tactile, visual, auditory feedback, and real-time data assists your surgeon in preparing the hip joint and placing the implants in the desired orientation with more accuracy.

If your surgeon determines that you are a good candidate for the procedure, he or she will schedule a CT scan of your hip one or two weeks prior to your surgery date. This is used to create your unique surgical plan for optimal implant placement.