### A New Hip for a More Active You







### Have you experienced ...

- Hip pain when walking or climbing stairs
- Difficulty getting in and out of chairs and bathtubs
- Hip stiffness after sitting too long
- Pain that prevents you from sleeping
- Limitations to activities you love due to hip pain

If you've experienced any combination of these symptoms or others and medication and walking aids like a cane aren't delivering enough relief, it may be time to consider hip replacement.



### **Why Robotic Hip Replacement**

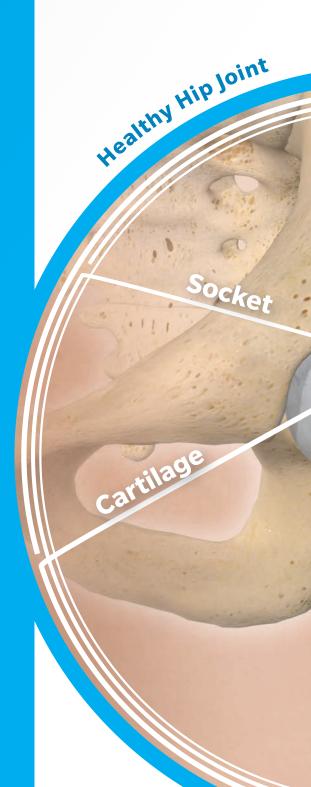


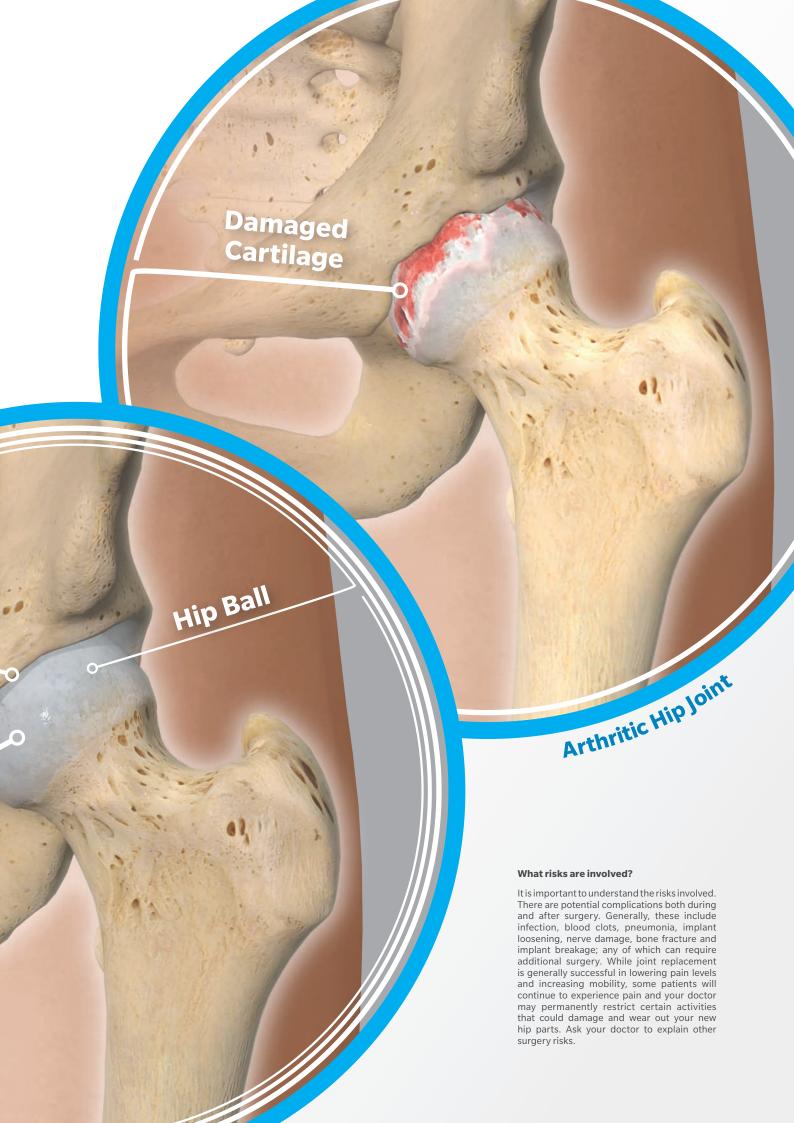
# What's Causing All That Pain? (Hip Arthritis)

Millions of Americans suffer from some type of arthritis.

Osteoarthritis is the most common type and is the leading cause of hip pain.¹ Osteoarthritis occurs when the cartilage around a joint (in this case, the hip) gets worn away, resulting in bone-on-bone grinding. Pain and inflammation are caused by your bones rubbing against each other, which can make basic actions like walking, sitting, or even laying down difficult.

Other causes of hip pain include rheumatoid arthritis, osteonecrosis (death of bone caused by insufficient blood supply), injury and bone tumors.





### **How ROSA Hip Technology Works**

#### **Before surgery**

Prior to surgery, you'll get a series of X-rays done, which will help your surgeon create a personal plan for your surgery. Your personalized plan plus data collected during your surgery will provide immediate feedback to your surgeon, resulting in a surgery completely customized to you.



#### **During surgery**

The surgical procedure using the ROSA Hip robot is similar to conventional hip replacement, but with a robotic assistant. Your surgeon has been specially-trained to use the ROSA Hip robot to personalize the surgical approach for your unique anatomy. It's important to understand that the robot does not operate on its own. Your surgeon is in the operating room the entire time and is making all of the decisions throughout your surgery.

During your procedure, your surgeon will take several X-rays, which the robot will use to provide real-time data to your surgeon. This information, combined with your surgeon's skill, helps him/her know how to position your implant based on your unique anatomy.



## **The Minimally Invasive Hip Procedure Difference**

When performing your procedure with ROSA Hip, your surgeon will use a direct anterior approach (incision on the front of your hip) using a 3 to 6 inch incision<sup>2</sup> on the front of your leg, compared to a 10 to 12 inch incision<sup>2</sup> on the side or back of your leg with a conventional hip replacement procedure. The direct anterior approach is a muscle sparing approach that has been shown to have better outcomes at three years after surgery compared to a traditional posterior approach (incision on the back of your hip).<sup>3</sup>

This approach has also been shown to reduce the risk of dislocations compared to the posterior approach.<sup>4,5</sup> A dislocation occurs when the ball of your hip joint comes out of the socket.



### **Benefits of Minimally Invasive Robotic Hip Replacement**

Every patient's surgical experience may differ, but the minimally invasive, direct anterior approach with ROSA Hip is designed to:



Improve accuracy of cup positioning compared to traditional hip replacement using the same direct anterior approach.<sup>6</sup>



Reduce dislocation rates after total hip replacement compared to a posterior approach.<sup>4.5</sup>



The direct anterior approach has been associated with a faster recovery and less pain.<sup>7</sup>



Less radiation exposure as a CT Scan is not required.8

#### **After surgery**

Following surgery, you may be hospitalized based upon the recovery plan your surgeon decides is best for you. Upon returning home you will need to continue taking your regular medications and exercising as directed by your surgeon or physical therapist. Walking, remaining active and practicing the required exercises are the quickest ways to full recovery.<sup>9</sup>

Recovery time varies, but most people should be able to drive after one to twelve weeks<sup>10</sup>, and return to sporting activities between three to six months after surgery depending on the level and demand of the sport.<sup>11,12</sup> Your surgeon will tell you when and what activities you can return to and what activities to avoid.

Results are not necessarily typical, indicative, or representative of all recipient patients. Results will vary due to health, weight, activity and other variables.



### The decision to have surgery is sometimes difficult.

We hope this has helped you understand the ROSA Hip robot so you can make the best decision for yourself. This information is not intended to replace the experience and counsel of your orthopedic surgeon. If you have any further questions, please speak with your orthopedic surgeon.





### For more information, resources and tools to support your joint health journey, please visit **TheReadyPatient.com**.

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Important Note: This is intended to provide an overview of hip replacement surgery and should be reviewed with your doctor. It does not include all of the information needed to determine eligibility for hip replacement or for the proper use and care of artificial hip replacements. Please consult your surgeon for more information. Individual results may vary. Your results will depend on your personal circumstances. How long a hip replacement will last varies from patient to patient. It depends on many factors, such as the patient's physical condition, activity level and body weight, and the surgical technique. The people shown are not actual patients.

This device is available only on the order of a physician.

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