

Smith+Nephew

CORI[◇] Surgical System



The Ultimate Knee Replacement Experience

Enter robotics-assisted surgery: combining the advantages of traditional methods with innovations while minimizing the drawbacks to patients. This advanced technology is designed to help me plan and perform your knee replacement surgery with a greater degree of accuracy than is possible with traditional methods, and without the need for metal rods, CT scans or pre-surgical MRIs. Smith+Nephew, the only company offering handheld robotics assisted technology for partial and total knee replacements, believes this enhanced level of accuracy can give you a better long-term outcome.

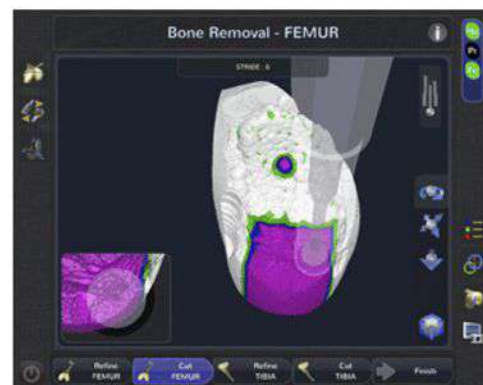
Why does my knee hurt?

One of the most common reasons for knee pain is osteoarthritis, also known as "wear and tear" arthritis. This disease often requires treatment using either full or partial knee replacement surgery. Generally speaking, as osteoarthritis progresses it causes the smooth cushion between bones (cartilage) to break down.

This loss of cartilage can cause your joints to become swollen, hard to move and painful. While there's no cure for osteoarthritis, there are lots of treatment options, including both surgical and nonsurgical options we should discuss.

These include:

1. Lifestyle changes that can include weight loss and reducing activities that are stressful on your knee
2. Physician-prescribed low-impact exercises and physical therapy
3. Medications to decrease swelling and provide temporary pain relief
4. Surgical options, such as arthroscopic surgery, and partial and total knee replacement



A customized 3D digital model of a patient's knee.

CORI Surgical System

The CORI Surgical System uses handheld robotics-assisted technology that helps me plan and perform your unique procedure. This robotics-assisted approach is efficient and more accurate than traditional knee surgery.

At the beginning of your surgery, your surgeon uses the CORI system to create a customized 3D digital model of your knee. This three-dimensional view helps to create a plan for your surgery without the need for either a CT scan or MRI. During the procedure, the CORI system works to achieve accurate positioning of the knee implant based on your unique anatomy. The system sends precise information about your knee to the robotics-assisted handpiece more than 300 times per second, allowing to remove damaged surfaces, balance your joint and position the implant with accuracy.

The result is a naturally shaped knee, made from materials designed to last longer, that is positioned with an added level of accuracy to allow for a quicker, smoother recovery

