

Technology Assisted Hip Replacement Surgery



Congratulations. You've decided to take action about your ongoing hip problems. There are many potential benefits of hip replacement surgery, including:

- Pain relief
- Improvement in mobility
- More freedom to pursue everyday activities, such as walking or climbing stairs

Before and during your surgery, your surgeon will be using an advanced digital navigation system called VELYS™ Hip Navigation to help make the surgery more personal to your anatomy.

What Is VELYS™ Hip Navigation?

VELYS™ Hip Navigation is an innovative, non-invasive technology that your surgeon uses to help ensure accuracy and precision in hip replacement surgery.

During surgery, a picture called a fluoroscopy is taken of your hip and analyzed in real-time, with the aim of achieving the best alignment and placement of the acetabular and femoral components of your new hip implant.

Each person's hips are unique.

To provide the best fit for *your body*, your surgeon will choose from a number of implant sizes and components. Surgeons use VELYS™ Hip Navigation to help the components all work together in the most natural way.



Why Your Surgeon Is Using VELYS™ Hip Navigation

Advantages of VELYS™ Hip Navigation may include:

- Restoration of your leg length may lead to better hip stability and preservation of your hip's natural movement.
- Verification of desired implant position that may potentially help reduce the likelihood of hip dislocation and increase the joint's stability.
- Potential to increase operating room efficiency and reduce operative time.



Fluoroscopy is analyzed to match the implant with your anatomy.

Non-invasive Navigation Technology Your Surgeon Uses to Personalize Your Surgery

Here's how it works:

- Before surgery, a fluoroscopy is taken of your hip bones and entered into VELYS™ Hip Navigation to help determine the unique size of your bones and what implants may fit best.
- The information obtained with VELYS™ Hip Navigation is used as a reference for your surgeon to enhance the accuracy and precision of selection and placement of your implant.
- Prior to selecting final implants, your surgeon will use trial instruments to analyze the position of your implant. One last fluoroscopy picture is taken to confirm the final position is exactly right for your hip.

VELYS™ Hip Navigation provides your surgeon with individualized information to guide their decision on what implant size and position are right for you.

For more information about VELYS™ Digital Surgery, speak with your healthcare professional.

