Robotic Assisted Knee Replacement Surgery

If you are considering knee replacement surgery and want the most precise, personalised option available, robotic assisted knee replacement surgery could be ideal for you. At Midlands Orthopaedic Clinic, we combine expert surgical skills with advanced robotic technology to deliver outstanding results tailored to your unique anatomy and lifestyle.

What Is Robotic Assisted Knee Replacement Surgery?

Robotic assisted knee replacement surgery uses a robotic system to help your surgeon perform your knee replacement with greater accuracy and control. Before surgery, detailed scans are used to create a 3D model of your knee, allowing your surgeon to develop a highly personalised surgical plan.

During the operation, the robotic system provides real-time guidance and feedback to ensure the implants are placed precisely according to the plan. The robot does not perform the surgery itself but assists your surgeon in achieving optimal alignment, balance, and positioning.

This advanced level of precision helps improve the feel and function of the new joint, potentially enhancing the durability and overall success of your knee replacement.

Who Can Benefit From Robotic Assisted Knee Replacement Surgery?

Robotic assisted knee replacement surgery may be recommended if you:

- Have severe osteoarthritis or joint damage in the knee
- Are looking for a personalised approach to knee replacement
- Want to maximise the longevity and function of your implant
- Have been advised you need a partial or total knee replacement

Your consultant will assess your condition and medical history to determine whether robotic assisted surgery is the right option for you.

What Happens During The Procedure?

Your surgery will be performed under general or spinal anaesthesia. Using the pre-operative 3D model and robotic guidance, your surgeon carefully prepares the joint surfaces and places the new prosthetic components with exceptional accuracy.

The robotic system ensures every cut, placement, and adjustment is based on your personalised plan, improving implant alignment and soft tissue balance. Once the implants are securely in place, the wound is

closed and you are moved to recovery.

Recovery And Rehabilitation

Recovery from robotic assisted knee replacement surgery follows a similar path to traditional knee replacement, but many patients experience:

- Less pain and swelling after surgery
- Faster return to movement and walking
- Improved early function

Your recovery plan will include:

- Early mobilisation within the first 24 hours
- Tailored physiotherapy to restore strength and flexibility
- Advice on walking aids, wound care, and safe return to activity
- Regular follow-up visits to track progress

Most patients can expect to return to everyday activities within 6 to 12 weeks, with ongoing improvements over the following months.

Benefits Of Robotic Assisted Knee Replacement Surgery

- Greater accuracy in implant placement
- More natural joint movement and improved function
- Reduced risk of implant wear and loosening
- Less soft tissue damage during surgery
- Shorter recovery times and quicker return to daily activities

Why Choose Midlands Orthopaedic Clinic?

At Midlands Orthopaedic Clinic, we are proud to offer the latest robotic surgery technology alongside expert surgical care. Our consultants are highly trained in robotic assisted techniques and are committed to delivering the best possible outcomes for every patient.

We provide:

- Access to cutting-edge robotic systems and modern surgical facilities
- Personalised treatment plans based on your needs and goals
- Comprehensive support from consultation through to recovery

- A strong focus on patient satisfaction, safety, and long-term success

Get In Touch

If you would like to find out more about how robotic assisted knee replacement surgery could help you achieve a faster, smoother recovery and better long-term results, contact Midlands Orthopaedic Clinic today to book your consultation.