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What is MAKO Robotic Total Knee Replacement?

MAKO Robotic TKR is an innovative surgical technique that combines advanced robotic technology with traditional total knee replacement surgery. It allows for precise planning and execution of the procedure, resulting in improved accuracy and potentially better outcomes.

How does MAKO Robotic TKR differ from traditional TKR?

MAKO Robotic TKR uses a robotic arm system to assist the surgeon in performing the surgery with enhanced precision. It enables the surgeon to create a personalized surgical plan based on the patient's unique anatomy and then guides the surgeon to execute that plan with greater accuracy.

Is a CT Scan required for MAKO Robotic Surgery?

The use of CT scans in robotic surgery can help minimize the risk of complications by ensuring that the surgical plan is based on accurate anatomical information. This can lead to better outcomes, reduced blood loss, shorter recovery times, and lower rates of postoperative complications.

What are the potential benefits of MAKO Robotic TKR?

The potential benefits of MAKO Robotic TKR include improved accuracy in implant placement, preservation of healthy bone and tissue, reduced risk of complications, shorter hospital stays, faster recovery, and potentially better long-term outcomes compared to traditional TKR.

How does the MAKO system work during surgery?

During surgery, the MAKO system uses advanced imaging technology to create a 3D model of the patient's knee anatomy. The surgeon then uses this model to develop a customized surgical plan, and the robotic arm assists in executing that plan with precision, guiding the surgeon's movements during bone preparation and implant placement.

Does MAKO Robotic TKR result in a quicker recovery?

While individual recovery experiences may vary, some patients who undergo MAKO Robotic TKR may experience a faster recovery compared to traditional TKR due to the precision of the procedure and potentially reduced tissue damage. However, recovery timelines can depend on various factors, including patient age, overall health, and rehabilitation efforts.

What are the risks associated with MAKO Robotic TKR?

While MAKO Robotic TKR is generally considered safe, it carries similar risks to traditional TKR, including infection, blood clots, implant failure, and nerve or blood vessel damage.

How long does a MAKO Robotic TKR procedure take?

The duration of a MAKO Robotic TKR procedure may be slightly longer than traditional TKR due to the additional steps involved in robotic-assisted surgery.



MAKO ROBOTIC



ROBOTIC TKR



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