

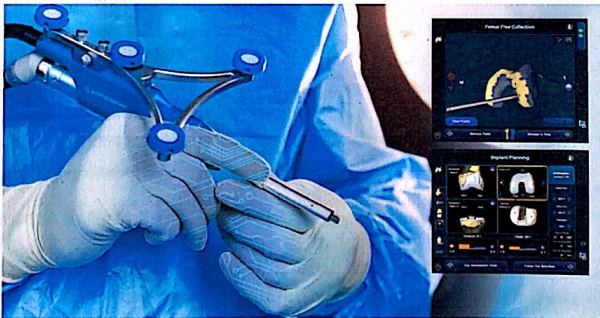
Robotic Knee Replacement Surgery at Turan & Turan Bone Muscle Joint Health

What is Robotic Knee Replacement Surgery?

Robotic knee replacement surgery is a modern surgical technique with robotic technology that guides doctors in all sensitive steps, from the planning of the surgery to the placement of the implant in the most suitable position on the patient's knee. Contrary to popular belief, robotic surgeries are performed by the surgeon himself, not by the robot.

NAVIO Next Generation Robotic Knee Surgery System

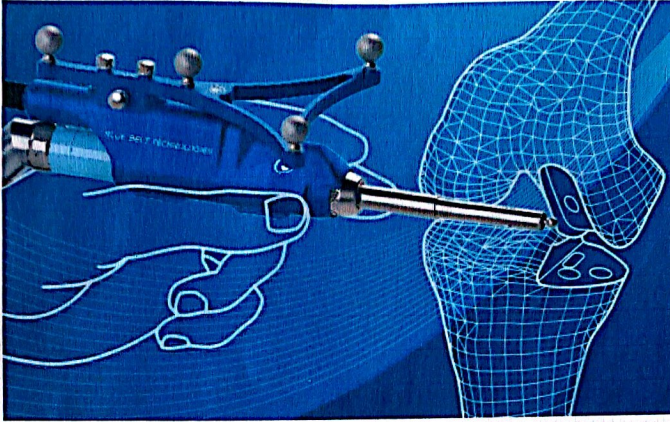
NAVIO is a **next generation robotic knee surgery system** approved by the Food and Drug Administration (FDA), does not require computed tomography, and provides a patient-specific surgical planning process with hand-held technology. **While the robotic system guides the doctor during the knee replacement surgery, it sends a warning when an incorrect procedure is performed.** Thus, robotic technology minimize the margin of error.



How Is Robotic Knee Replacement Surgery Performed? :

Robotic knee replacement surgery begins with the surgical plan by considering the patient's unique anatomy. When the surgery is completed, the damaged bone and cartilage areas in the knee joint are removed and replaced with a prosthesis.

During robotic knee replacement surgery, 3-dimensional (3D) model of the knee joint is created without the need for any computerized tomography (CT) scan to visualize the patient's knee joint structure. With the information collected, the bone incision rates are calculated with millimetric measurements, the damaged bone and cartilage areas are removed and the joint surface is made suitable for the implant. The implant components are placed in accordance with the surgical plan, precisely and according to the patient's own knee joint structure.



Advantages of Robotic Knee Replacement Surgery

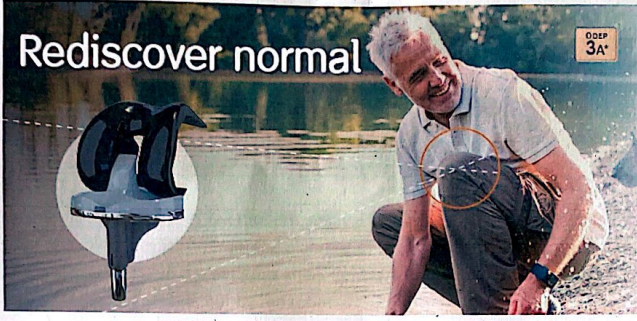
Robotic knee replacement surgery offers many benefits to the patient before, during and after surgery:

- No computed tomography (CT) scan needed
- Reduced risk of exposure to radiation
- Healthy bones and soft tissues are preserved
- Knee prosthesis is placed with the highest precision and accuracy
- Less pain and faster recovery
- Return to daily life is faster and more comfortable
- Shorter hospitalization

Which Implant Is Best For Knee Replacement?

Knee implant components are generally made of materials consisting of various metal alloys (often cobalt-chromium) and polymer, a plastic-like substance. But, over time, wear and tear may occur on the implant surfaces. **Journey II knee implants** are made with zirconium oxide, an alternative metal alloy called **OXINIUM**, to minimize the risk of wear. This material is **twice as durable as other cobalt-chromium** alloys. Journey II knee implants, unlike conventional knee implants, is a reliable designed with high technology to meet the expectations of patients who lead an active life in terms of sports or working life. **OXINIUM** also does not cause allergies in humans. Therefore, it can be used easily in patients with metal sensitivity.

It is possible to get successful results from the replacement surgery by choosing robotic technology and Journey II knee implants together. For more information about Journey II Knee Prosthesis System: <https://bit.ly/3uc8w4s>



Patient Testimonials:

<https://www.youtube.com/watch?v=K87Z63F4IOA>

Price Includes:

- Orthopedic consultation, Anesthesiologist consultation, Doctor follow-ups,
- Pre-operative Blood Tests,
- X-Rays,
- Prosthesis (Brand: Smith&Nephew),
- Nursing services,
- Translation and Interpreter Services,
- The patient and companion room services,
- Airport-Hospital-Airport Transfer (VIP Car Service)
- 5 Days of Hospitalization

*****Fees for Hotel Stay NOT INCLUDED in the price**

- Days of Hospitalization: 5 Days
- Days of stay in Turkey: The patient must stay in a hotel for doctor follow-ups for 10 days

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