NAVIO 6.0: TKA (Distal Bur)

A fast, efficient technique that uses a robotic-assisted handpiece to prepare the distal femur in total knee applications (TKA).
NAVIO°: The only handheld robotics technology system for TKA, UKA and PFJ applications

The NAVIO Surgical System is an intraoperative visualization and surgical planning system combined with a handheld, smart instrument for bone sculpting. Through the use of a robotic-assisted handpiece, the NAVIO system limits the amount of bone that is removed.

NAVIO 6.0

Distal Bur Workflow (TKA)

The distal bur technique features robotic-assisted preparation of the distal femur and allows surgeons to set rotation by setting two pilot holes for the AP cut block.

**Femur preparation**

**Step 1:** The distal femur is prepared using a surgeon controlled, robotic-assisted handpiece and a 5mm bur.

**Step 2:** Two peg holes are drilled with a robotically controlled 2mm bur and the AP cut block is placed.

**Step 3:** Chamfer cuts are made through a familiar approach.

**Tibia preparation**

**Step 4:** The tibia is prepared using a robotically controlled 5mm bur that drills post holes for the NAVIO cut guide.

**Step 5:** Place the NAVIO cut guide in robotically prepared holes and perform the bone resection.
Familiar workflows

NAVIO® integrates into familiar surgical workflows (femur first, tibia first, spacer block technique) with minimal disruption to current total knee approaches. Surgeons can choose one of three robotic-assisted workflows [cut guides, distal burring (hybrid saw and bur), bur all].

Cut guide workflow  Distal bur workflow  Bur all workflow

Image-free system

No preoperative CT required – for less exposure to radiation and eliminated costs associated with other image-based systems.

Dynamic ligament balancing throughout the procedure

Enables the surgeon to assess soft tissue and balance the knee throughout the full range of motion (ROM).

Patient-specific plan

Created using state-of-the-art software that provides a unique, intraoperative 3D model based on the patient’s anatomy.

Small, compact footprint ideal for ASC and Hospitals

Easily move NAVIO room to room or facility to facility.
For more educational videos and content, go to:

**Smith & Nephew Education & Evidence**
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