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).

smith&nephew

NAVIO◊
Surgical System

Supporting healthcare professionals

NAVIO◇: The **only handheld** robotics technology system for TKA, UKA and PFJ applications

JOURNEY◇ II, LEGION◇, GENESIS◇ II: The largest knee portfolio enabled by handheld robotics

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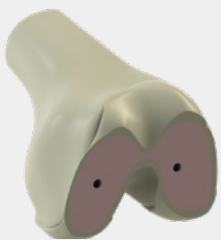
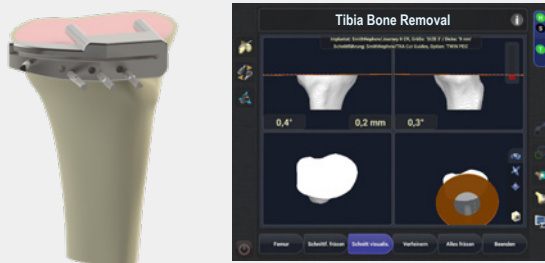**Step 3:** Chamfer cuts are made through a familiar approach.

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.
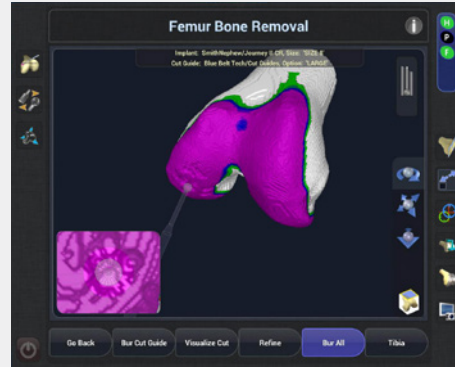
Familiar workflows

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

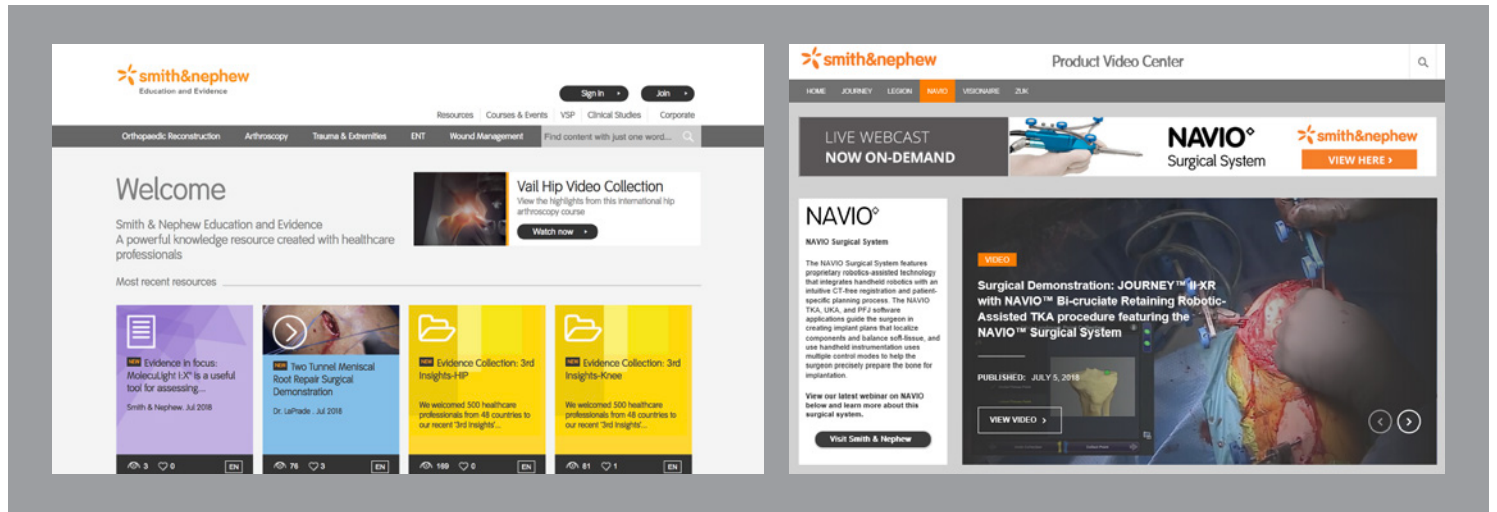Easily move NAVIO room to room or facility to facility.

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Smith & Nephew, Inc.
2905 Northwest Blvd., Suite 40,
Plymouth, MS 55441
USA

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