

KNEE3

BALANCE IN MOTION

NEW APPROACH TO SOFTWARE-GUIDED KNEE SURGERY

Software-guided surgery use is on the rise globally, fostering confidence and driving efficiency for orthopedic surgeons. Computer navigation is proven to improve alignment¹ and improve functional outcomes². In a recent study based on the Australian joint replacement registry including 315,118 patients³, it was shown that there is a significant reduction in the rate of revision after navigated total knee arthroplasty compared with the rates after non-navigated total knee arthroplasty for patients under the age of sixty-five.



ADVANTAGES OF KNEE3 SOFTWARE

- Streamlined and fast registration with ClearLens™ instruments
- Automatic workflow adaption independent of surgical philosophy
- Flexible use for measured resection and balanced gap technique
- Minimal system interaction
- Stability information based on actual 3D implant geometries
- Final outcome visualization before any bone cuts have been made
- Live adaption of the Stability Graph* after every surgical interaction (e.g. resection or implant sizing)

*Patented technology

¹ Mason JB, Fehring TK, Estok R, et al. Meta-Analysis of alignment Outcomes in Computer-Assisted Total Knee Arthroplasty Surgery. J Arthroplasty 2007; 22(8): 1097-1106.

² Lehnen K, Giesinger K, Warschkow R, et al. Clinical outcome using a ligament referencing technique in CAS versus conventional technique. Knee Surg Sports Traumatol Arthrosc 2011; 18(19): 887-892.

³ De Steiger R, Liu Y-L, Grave SE. Computer navigation for total knee arthroplasty reduces revision rate for patients less than sixty-five years of age. J Bone Joint Surg Am 2015; 8: 635-642.

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PATIENT REPORTS AND DATA ANALYSIS

- Patient friendly case reports help educate and engage patients about their software-guided surgery
- KNEE3 automatically generates screenshots and case data that can be easily imported into presentations and spreadsheets
- Synchronize to Qentry for cloud access to all screenshots and metadata from navigated cases



SIMPLY VISIBLE. VISIBLY SIMPLE.

- ClearLens instruments ensure continuous marker visibility, faster setup, and simplified tray management
- Disposable tracking arrays with preinstalled markers are ready-to-use without screwing on single marker spheres
- Delivered as complete sterile packaged set for one knee replacement procedure
- Simply disposed off after one-time usage



KICK NAVIGATION PLATFORM

- Intuitive, patient-centric control
- Compatible with all current Brainlab navigation applications
- Drapeable full HD touch display
- Optical tracking with laser guidance
- Light-weight, compact and portable

