

CORI[◇]

Precision in motion Personalized revision TKA with CORI[◇] Robotics

The CORI[◇] Surgical System with RI.KNEE ROBOTICS software is the first robotic-assisted platform indicated for use in revision knee arthroplasty in the US¹

The platform is designed to support surgeons performing revision procedures by allowing for:²

- ◇ Mapping of all areas of the knee without the need for CT or MRI imaging by building a 3D model of bone surfaces
- ◇ Real-time, full range of motion gap assessment to inform implant placement and soft tissue balancing
- ◇ Intra-operative visualization of bony defects to help with augment planning and to preserve the normal joint line
- ◇ Efficient and accurate bone removal using precision milling



Product Features



Pioneering innovation

The CORI System is the first robotic-assisted platform indicated for use in revision knee arthroplasty



Image-free registration

No need for preoperative X-ray/CT/MRI, with real-time 3D modelling of implant surfaces and visualization of bony defects



Personalized planning

Visualize and restore the previous joint line³(with the ability to refer to old and new joint line parameters), measure defects for augment sizing and optimize gap balance planning



Intra-operative visualization and defect management

Supports augment planning and joint line preservation



References

1. Food and Drug Administration. Available at: https://www.accessdata.fda.gov/cdrh_docs/pdf/22/K220958.pdf. Accessed September 16, 2022.
2. Smith+Nephew. Engineering Report. 10060820. 37756 V1.0123. Published January 2023. ©2023 Smith+Nephew.
3. Seyler MT. Revision total knee arthroplasty with a imageless, 2nd generation robot system. Podium Presentation at: 2023 Members Meeting of The Knee Society, September 7-9, 2023, Monterey, California, US.

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