RI.INSIGHTS

Data Management System

Care Management and Outcomes

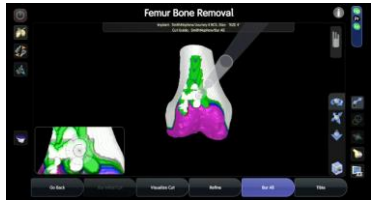
CORI◇ System Procedure Data

Registration

Characterize the patient disease state and preoperative anatomy

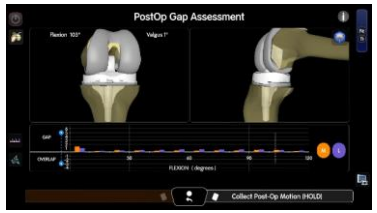
Planning

Asses joint balance and fine-tune placement of implants specific to the patient with 0.5mm precision[1]



Precision Milling

Ensure accurate[2-5] bone removal according to plan with handheld robotics



Assessment

Quantify postoperative outcome and confirm resulting leg alignment

1. Kaper BP, Villa A. Accuracy and Precision of a Handheld Robotic-guided Distal Femoral Osteotomy in Robotic-assisted Total Knee Arthroplasty. European Knee Society Arthroplasty Conference;2019; Valencia, Spain. **2.** Bollars P, Boeckxstaens A, Mievis J, Janssen D. The Learning Curve and Alignment Assessment of an Image-Free Handheld Robot in TKA: The First Patient Series in Europe. Poster presented at: 19th Annual Meeting of the International Society for Computer Assisted Orthopaedic Surgery2019; New York, USA. **3.** Geller JA, Rossington A, Mitra R, Jaramaz B, Khare R, Netravali NA. Rate of learning curve and alignment accuracy of an image-free handheld robot for total Knee Arthroplasty. European Knee Society Arthroplasty Conference;2019; Valencia, Spain. **4.** Batailler C, White N, Ranaldi FM, Neyret P, Servien E, Lustig S. Improved implant position and lower revision rate with robotic-assisted unicompartmental knee arthroplasty. Knee Surg Sports Traumatol Arthrosc. 2019;27(4):1232-1240. **5.** Shah S. Robotic Assisted Revision Total Knee Replacement - Early Experience Poster presented at: 19th Annual Meeting for APAS;6-8 September, 2018; Bangkok, Thailand.

Key Messaging/Value Proposition

Proficiency Through Data and Insights

Case reports and consolidated trends

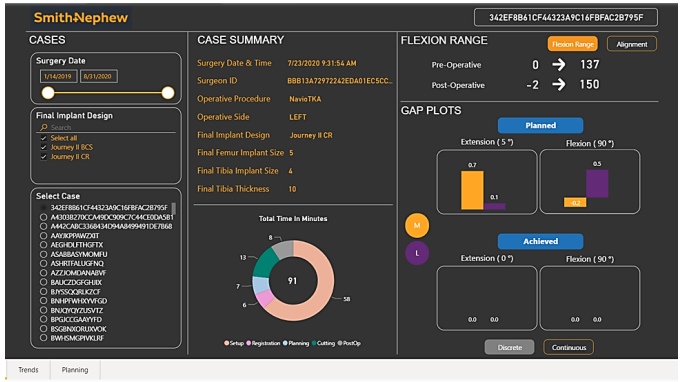
Access to procedure data, including timing, resections, alignment, and ligament balancing

Evaluate and refine your technique

Draw insights from past plans and cases to further develop the patient-specific technique with robotics

Benchmark your performance against other users

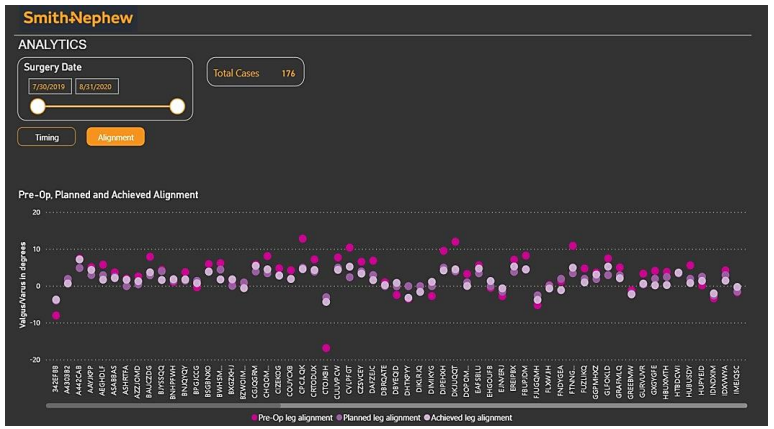
Reduced burden for research



Central hub for organized case data

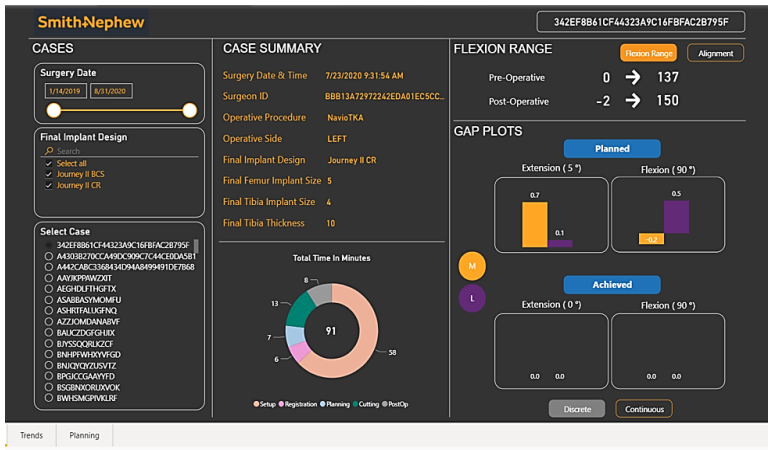
Data management portal that provides:

Trends



Procedure times, alignment correction information correlated with patient deformity

Case Reports



Surgeon-specific case reports and user-friendly dashboards accessible through a secure data cloud service

Resections, range of motion, alignment correction, gap balance, rotation/flexion metrics

Global Data

Robotic planning data that reduces the burden for research. Surgeon-specific case performance benchmarked against anonymized global database

Frequently Asked Questions

RI.INSIGHTS data management system provides customers with:

- Consolidated trends of case times and alignment
- Individual case reports with alignment, resection and full range of motion balancing data
- Account/Surgeon-specific robotic planning data benchmarked against aggregate global data

What hardware and software is compatible with RI.INSIGHTS?

RI.INSIGHTS accepts case information from NAVIO◇ 7 and CORI◇ Surgical System total knee software applications. Integration with RI.HIP NAVIGATION data is expected in late 2021.

CORI◇ System

NAVIO◇ System

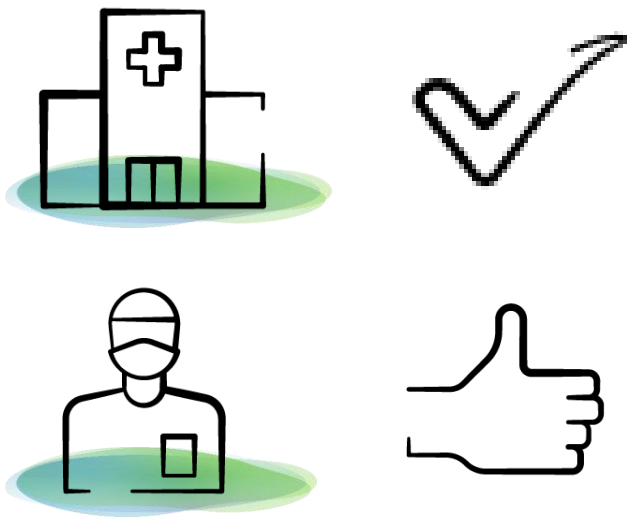
RI.HIP

RI.KNEE

Can RI.INSIGHTS data be paired with PROMs?

Although RI.INSIGHTS does not currently connect to external systems, it provides unique access to intraoperative data in an organized fashion to aid in comparing the intraoperative plan against the patient's outcome.

Frequently Asked Questions (cont.)

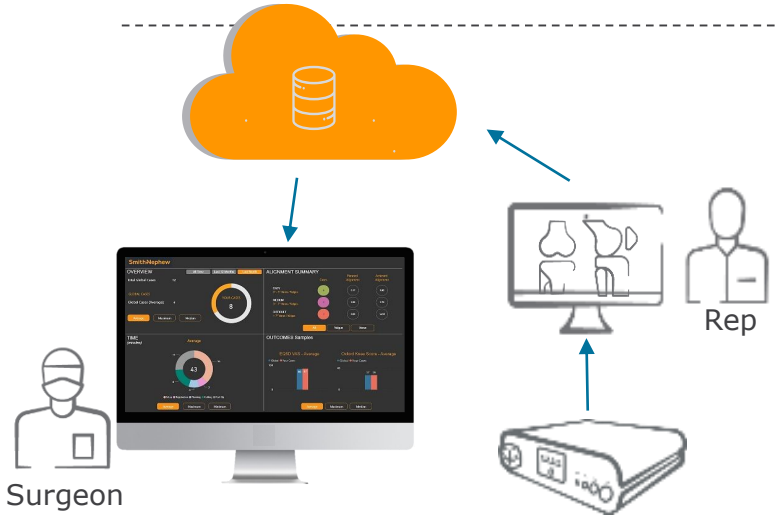


How does RI.INSIGHTS work with data security and privacy?

Customers must "Opt in" to data sharing to gain access to RI.INSIGHTS data management portal. This will be available with new CORI◇ Surgical System sales terms as an exhibit. The customer will also have to accept click through terms of End user agreement and privacy policies to be compliant with local data regulations.

Does RI.INSIGHTS connect with hospital EHR/EMR?

Initial versions of RI.INSIGHTS will not connect with Electronic Health Record (EHR) or Electronic Medical Records (EMR) systems.



Does the data automatically upload to RI.INSIGHTS?

Case data will be exported from an approved hardware system (CORI◇ Surgical System, NAVIO◇ Surgical System) and uploaded by an authorized care team member (Smith+Nephew rep or hospital staff member).

Can the care team member see surgeons case data?

No. Care team members can upload surgeon cases to the portal via the RI.INSIGHTS interface, but do not have access to surgeon dashboards.

Thank You