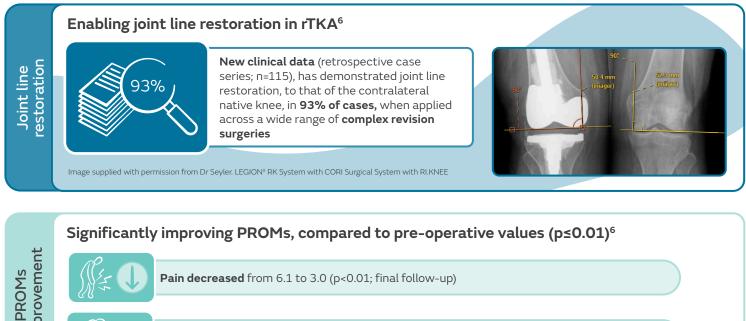
Evidence in focus

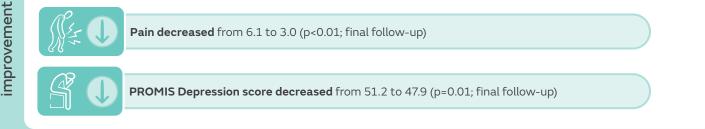
Smith_{Nephew}

CORI^o Surgical System with RI.KNEE: the first robotics platform indicated for use in revision total knee arthroplasty (rTKA)¹

rTKA presents unique technical challenges and decision-points for the orthopaedic surgeon, such as restoring the anatomical joint line,² addressing bone loss³ and achieving balanced flexion/extension gaps.³ Restoration of the joint line during rTKA has shown to have a positive effect on the clinical outcome^{4,5} and in one study, patients whose joint line was restored to within ±5mm of preoperative values, were 3.88 times more likely to meet or exceed the substantial clinical benefit for KOOS-JR.⁴

CORI System with RI.KNEE for rTKA enables joint line restoration and improves PROMs⁶





Reduced length of hospital stay and readmissions compared to conventional rTKA⁶



Abbreviations: KOOS-JR = Knee Injury and Osteoarthritis Outcome Score for Joint Replacement; LoS = length of stay, PROMs = patient-reported outcomes measurement; PROMIS = Patient-Reported Outcomes Measurement Information System

References: 1. Food and Drug Administration. Available at: https://www.accessdata.fda.gov/cdrh_docs/pdf22/K220958.pdf. Accessed October 13, 2023. 2. Hofmann AA, Kurtin SM, Lyons S, Tanner AM, Bolognesi MP. Clinical and radiographic analysis of accurate restoration of the joint line in revision total knee arthroplasty. J Arthroplasty. 2006;21:1154–1162. **3.** Graichen H. TKA revision — reasons, challenges and solutions. J Orthop. 2014;11:1–4. **4.** Buller LT, Metzger CM, Deckard ER, Meneghini RM. The effect of joint line elevation on patient-reported outcomes after contemporary revision total knee arthroplasty. J Arthroplasty. 2022;37:1146–1152. 5. Sadaka C, Kabalan Z, Hoyek F, Fares GA, Lahoud J. Joint line restoration during revision total knee arthroplasty: an accurate and reliable method. Springerplus. 2015;4:736. 6. Cochrane NH, Kim BJ, Stauffer TP, et al. Revision total knee arthroplasty with an imageless, second-generation robotic system. J Arthroplasty. Published online February 12, 2024. 7. Nichols CI, Vose JG. Clinical Outcomes and Costs Within 90 Days of Primary or Revision Total Joint Arthroplasty. J Arthroplasty. 2016;31(7):1400–1400. 8. Schairer WW, Sing DC, Vail TP, Bozic KJ. Causes and frequency of unplanned hospital readmission after total hip arthroplasty. Clin Orthop Relat Res 2014:472(2):464-470



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