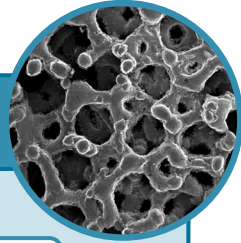
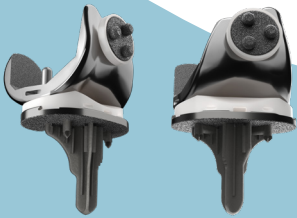


Why choose LEGION[◇] CONCELOC[◇] Cementless Total Knee System (TKS)?



CONCELOC Technology is designed for long-term fixation



- Pioneered through an innovative 3D-printing process that creates a fully randomised porous titanium structure with predictable porosity, pore size and node interconnectivity to promote biological in-growth^{1,2}
- New evidence shows stable fixation by one year,^{3,4} which is predictive of long-term stability⁵

Operating room efficiency

Compared to conventional surgery, CORI[◇] Surgical System with RI.KNEE for total knee arthroplasty, has been shown to result in:



Reduced number of trays⁶



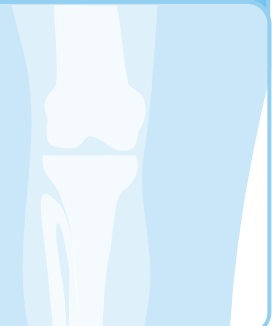
Significantly better accuracy of knee alignment and component positioning⁷



LEGION TKS has a successful clinical history of more than 20 years⁸⁻¹¹



Developed using our trusted legacy in total knee arthroplasty and including an anatomically designed tibia and s-shaped trochlear groove



LEGION[◇] CONCELOC[◇] Cementless TKS demonstrates stable fixation, high survival rates, and significant improvement in patient outcomes at one-year follow-up^{3,4}

New evidence from two multi-centre studies shows at one year:^{3,4}

Stable fixation



100% survivorship of tibial and femoral components*



Significantly improved PROMs (versus pre-operative scores)



These new studies build on the proven clinical history of CONCELOC technology[†]



[†]Over five years of clinical history based on Smith+Nephew's REDAPT[®] Revision Hip System

Tibial baseplate migration using radiostereometric analysis (interim analysis)³

Number of patients: 30
Patient age (years, mean): 66
BMI (kg/m², mean): 30.6

Primary outcome:

Change in maximum total point motion (MTPM) of the tibial baseplate between 6 and 12 months

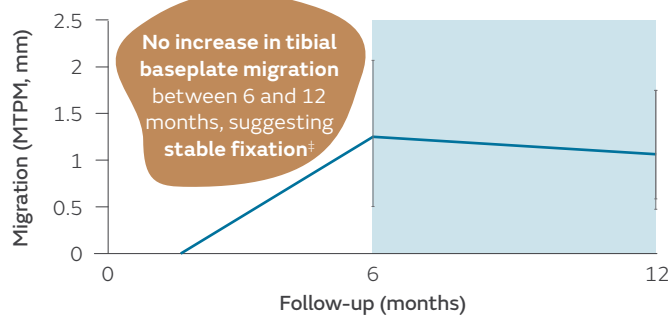


Figure 1. Tibial baseplate migration (mean MTPM) up to 12 months

LEGION CONCELOC Cementless TKS achieved stable fixation by one year³, which is predictive of long-term stability⁵

[†]Stable fixation was defined as <0.2mm change in mean MTPM between 6 and 12 months

Prospective multi-centre study (interim data extraction)⁴

Number of patients: 153
Patient age (years, mean): 63

Primary outcome:

Survivorship at one-year post-operation

100% survivorship of tibial and femoral components*

PROMs improved as early as 6 weeks post-operatively, and showed significant improvement versus pre-operative scores at one year (KOOS JR, FJS, OKS; p<0.001)

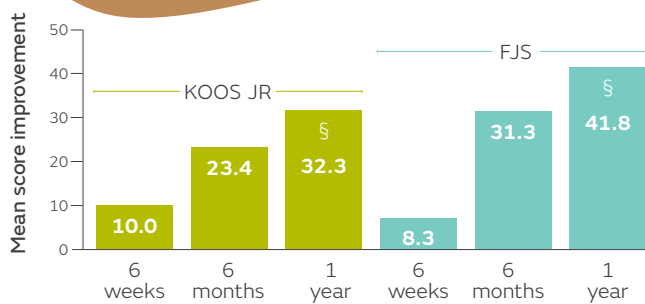


Figure 2. Mean change in KOOS JR and FJS through one-year; §p<0.001

High survivorship and significantly improved patient functionality and quality of life at one-year post-operation⁴

*One patient (0.6%) required debridement, antibiotics, and implant retention due to infection

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Abbreviations: FJS = Forgotten Joint Score; KOOS JR = Knee Injury and Osteoarthritis Outcome Score for Joint Replacement; MTPM = maximum total point motion; OKS = Oxford Knee Score; PROMS = patient-reported outcome measures; TKS = total knee system.

References: 1. Fenwick S, et al. World Biomaterials Congress; May 28–June 1, 2008; Amsterdam, NL. 2. Smith+Nephew 2016. OR-16-009. 3. Laende EK, Gascayne TC, Teeter MG, et al. Poster presented at Orthopaedic Research Society 2024 Annual Meeting, February 2–6, 2024; Long Beach, CA, USA. 4. Prinos A, Cardillo c, Greenky S, et al. Poster presented at Orthopaedic Research Society 2024 Annual Meeting, February 2–6, 2024; Long Beach, CA, USA. 5. Laende EK, Richardson CG, Dunbar M.J. Predictive value of short-term migration in determining long-term stable fixation in cemented and cementless total knee arthroplasties. *Bone Joint J.* 2019;101-B(7 Supple C):55–60. 6. Smith+Nephew 2020. Tray Reduction Claim — References Consolidation. Internal Report. 7. Tiengwittayaporn S, Uthaitas P, Senwiruch C, Hongku N, Tunyasuwanakul R. Imageless robotic-assisted total knee arthroplasty accurately restores the radiological alignment with a short learning curve: a randomized controlled trial. *Int Orthop.* 2021;45(11):2851–2858. 8. Victor J, Ghijssels S, Tajdar F, et al. Total knee arthroplasty at 15–17 years: does implant design affect outcome? *Int Orthop.* 2014;38(2):235–241. 9. Australian Smith PN, et al. Hip, Knee and Shoulder Arthroplasty: 2023 Annual Report, Australian Orthopaedic Association National Joint Replacement Registry, AOA: Adelaide, South Australia. 2023. <https://doi.org/10.25310/YWQZ9375>. 10. National Joint Registry for England, Wales, Northern Ireland. 20th Annual Report, 2023. Available at: <https://reports.njrcentre.org.uk>. Accessed June 10, 2023. 11. McCalden RW, Hart GP, MacDonald SJ, Naudie DD, Howard JH, Bourne RB. Clinical results and survivorship of the GENESIS II total knee arthroplasty at a minimum of 15 Years. *J Arthroplasty.* 2017;32(7):2161–2166. 12. Moriarty P, Vles G, Haddad F, Konan S. Early clinical and radiological outcomes of a new tapered fluted titanium monobloc revision stem in hip arthroplasty. *Arch Orthop Trauma Surg.* 2021;141(6):1065–1071.