



MOBILE-BEARING KNEE SYSTEM

MODULAR REVISION

References:

1. Callaghan JJ, Squire MW, Goetz DD, Sullivan PM and Johnston RC. "Cemented Rotating Platform Total Knee Replacement: A Nine to Twelve Year Follow-up Study." JBJS, 82-A, May 2000: 705-711.
2. Sorrells RB. "Primary Knee Arthroplasty: Long-term Outcomes. The Rotating Platform Mobile-bearing TKA." Orthopedics, 19, Sept. 1996: 793-796.



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SO MUCH BEHIND IT,

SO FAR AHEAD.

A complete rotating platform system that allows you to respond effectively to an extensive range of bone loss.

For more than 25 years, the LCS® knee has established an unrivalled record of clinical success.^{1,2} Its key design principles of low contact stress and bearing mobility have remained constant, while the system itself has been refined and developed. The LCS® Complete™ Modular Revision knee now extends the system to accommodate significant bone loss.

The LCS® Complete™ Modular Revision can be used for primary and revision procedures. The system offers a range of stem extensions, distal and posterior femoral augments, tibial step wedges and tibial metaphyseal sleeves to help ensure the implant is fully supported and correct alignment is maintained.



Optimal LCS® Complete™ femoral geometry

Optimal femoral-tibial congruency during the load bearing phase of the gait cycle results in low contact stresses.¹ Self-alignment of the rotating platform maintains extensive contact and diffuses torsional and shear forces to reduce the potential for polyethylene damage.



Modular stem extensions to counter bone loss

The LCS® Complete™ Modular Revision knee offers a range of titanium stem extensions for secure implant anchorage and alignment. The extensions can be selected intraoperatively from 6 sizes of cemented stem and 24 fluted cementless options.



Complete range of augments

The system offers a range of 5, 10 and 15 mm cobalt chrome distal augments and 5 and 10 mm posterior femoral augments. These are secured to the main component using hex head screws to assist the surgeon in positioning the femoral implant and restoring the joint line.



M.B.T. and M.B.T. revision trays.

The curved shape of the polished cobalt chrome M.B.T. (mobile-bearing tibial) tray achieves maximum coverage of posterior cortical bone, with a choice of sizes to optimise prosthetic fit and fixation for each patient. The system includes specifically designed revision trays.



Tibial block wedges

5, 10 and 15 mm tibial cobalt chrome augments allow the surgeon to compensate for significant bone loss and avoid unnecessary bone resection. These are secured to the main component using hex head screws.



Tibial Metaphyseal Sleeves

Titanium modular tibial sleeves offer optimal fit and fill where there is significant bone deficiency, ensuring excellent stability and equal stress distribution. The system offers a range of 37, 45, 53 and 61 mm sleeves that allow 20 degrees of internal or external rotation. The sleeves are attached via a taper locking mechanism.



LCS
COMPLETE™

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