

DePuy's comprehensive Revision Knee portfolio

The DePuy Knee Revision Portfolio offers surgeons a comprehensive array of implant options for cases that require varying levels of constraint. From moderate soft tissue laxity and minor bone defects through end-stage revision, and all systems can be combined with the M.B.T. Revision tray.



P.F.C. SIGMA® TC3 RP



LCS® COMPLETE™ Revision



S-ROM® NOILES™ Hinge



Limb Preservation System (LPS)™



M.B.T. Revision with sleeve and stem

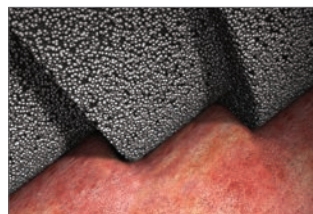
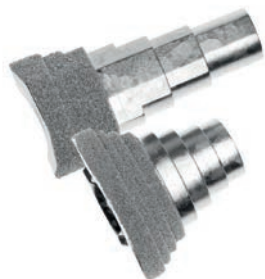
Reduce loosening forces with rotating platform^{1,2}



SIGMA TC3 RP has been shown to reduce torque stresses by up to 87% versus a constrained fixed bearing device.³

Goldstein et al. presented simulator data which are very encouraging with respect to the damage and wear that occurs to MB constrained polyethylene liners as compared with FB controls. To put this into the clinical perspective, less surface and post wear can translate into lower rates of osteolysis and wear, as well as less stress on fixation interfaces. These facts become more important in a more constrained knee as a TC3 if the increased frequency of knee revision surgery is realised, particularly in a more active population. The simulator data help us conclude that there is an advantage of MB as compared with FB knee revision surgery.⁴

Address instability from bone loss with metaphyseal sleeves



The stepped metaphyseal sleeves compensate for substantial cavitory defects, compressively load the bone and provide a solid foundation for implant stability.^{5,6}

Compensate for severe bone loss

The DePuy Revision System forms the platform for progressive compensation of moderate to severe bone loss. A combination of trays, augments and stem options allow the surgeon to gain implant stability.



Efficient surgical technique

Provides simplified surgical approaches to handle a multitude of situations encountered in the OR.

- Same canal preparation throughout the systems
- Same broaching technique throughout the various levels of constraint
- Same tibial preparation regardless of the level of constraint needed
- High Performance Revision Instrumentation designed to make complex revisions easier



References:

1. Russo AA, Montagna L, Bragonzoni L, Zampagni ML, Marcacci M. Fixation of total knee arthroplasty improved by mobile-bearing design. *Clinical Orthopaedics and Related Research* 2005; 437: 186-195.
2. Bottlang M, Erne OK, Lacatuso E, Sommers MB, Kessler O. A Mobile-bearing Knee Prosthesis Can Reduce Strain at the Proximal Tibia. *Clinical Orthopaedics and Related Research* 2006; 447: 105-111.
3. Shouchen D. Rotating Platform Total Knee Prostheses Reduce Axial Rotational Constraint Torque. *DePuy Orthopaedics, Inc. USA*, 2011.
4. Goldstein WM, Gordon AC, Swope S, Branson J. Rotating Platform Revision Total Knee Arthroplasty. *Journal of Knee Surgery*. *Journal of Knee Surgery* 2012; 25(1): 45-50.
5. Jones RE. Mobile Bearings in Revision Total Knee Arthroplasty. *Instructional Course Lectures* 2005; 54: 225-231.
6. Haidukewych GJ, Hanssen A, Jones RE. Metaphyseal Fixation in Revision Total Knee Arthroplasty: Indications and Techniques. *American Academy of Orthopaedic Surgeons* 2011; 19: 311-318.

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