

Rescue Plan:

- Cementless anatomical femoral stem with meta-/diaphyseal press-fit anchorage.
- Ovally shaped, tapered stem.
- Replacement of distal femoral component to match the tibial component in situ.



C custom **LINK** dependable - efficient - effective

Literature (general):

Biomechanical Analysis of Femoral Stems in Hinged Total Knee Arthroplasty in F Osteoporotic Bone; Edoardo Bori, Federica Armaroli 1, Bernardo Innocenti; 20

Primary Rotational Stability of Cylindrical and Conical Revision Hip Stems as a Function of Bone Defects: An In Vitro Comparison; Eike Jakubowitz, Rudi G. Bitsch, Christian Heisel, Christian P. Kretzer, Marc N.Thomsen; Journal of Biomechanics 41(2008)3078-3084,Computer Methods and Programs in Biomedicine 213 (2022) 106499

Biomechanical Analysis of the Use of Stems in Revision Total Knee Arthroplasty; Bernardo Innocenti, Edoardo Bori and Silvia Pianigiani; Bioengineering 2022, 9, 259. https://doi.org/10.3390/bioengineering9060259

Comparative Biomechanical In Vitro Study of Different Modular Total Knee Arthroplasty Revision Stems With Bone Defects; Dario Guttowski, Dr Med Valerie Polster, Dipl-Ing Gerd Huber, Dr. Ing. Michael M.Morlock, Prof. Dr. Klaus Püschel, Prof. Dr. med. Jakob Nüchtern; The Arthroplasty 35 (2020) 3318e3325

Individual Revision Knee Arthroplasty Is a Safe Limb Salvage Procedure; Peter Savov, Lars-Rene Tuecking, Henning Windhagen and Max Ettinger; Individual Revision Knee Arthroplasty Is a Safe Limb Salvage Procedure. J. Pers. Med. 2021, 11, 572. https://doi.org/10.3390/jpm11060572



Information on tibial Link OptiStems is available upon request.

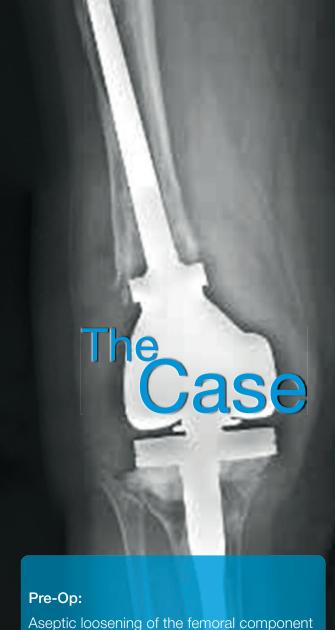
Send inquiry to: https://customlink.solutions

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in the distal femur with extensive bone loss.



Post-Op:

Distal femoral OptiStem anchorage and hinged Endo-Model knee to achieve sufficient fixation in spite of large bone deficit.



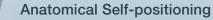


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The Optimal Stem Option

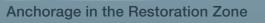
- Intraoperative freedom of choice between cementless or cemented option, with three stem lengths each.
- Free rotation adjustment to the femoral component via OptiStem adapter
- Adequate leg length adjustment via adapter and choice of stem size.
- Proven taper connections for reliable coupling.





- Based on scientific papers and decades of custom-made experience by LINK, developed for anatomical self-positioning.
- Anatomical design takes the natural curvature of the femur into account: The next step to the classic cone-stem combination.
- Precise feedback prom instrumentation during implantation.





- Rotational stability in the femur thanks to distal metaphyseal press-fit, oval stem cross-section, and anatomical curvature.
- Oval stem design for lumen-filling fit, with stem diaphyseally tapering to a round cross-section in order to reduce the risk of bone stress.
- Suitable for the Endo-Model SL and the new generation LINK Endo-Model EVO.

