

Executive Summary

Publication	Zementfreie Hüftrevisionspfanne zur Versorgung von osteoporotischen Acetabulumfrakturen: Münchener Algorithmus als Entscheidungshilfe. [Uncemented hip revision cup for the fixation of osteoporotic acetabular fractures – Munich algorithm as a decision aid] Linhart C, Becker CA, Bruder J, Zeckey C, Greiner A, Sommer F, Weidert S, Böcker W, Kammerlander C. Endoprothetikkongress, Poster P10 (German), Berlin, 14.-16. Februar 2019
Study	Case report
Implant	MRS-TITAN Comfort (PETER BREHM GmbH)
Patients	Geriatric trauma patients (n=10)
Follow-up	-
Method	Geriatric patients with dislocated acetabular fracture were treated with a cementless MRS-TITAN Comfort cup and a cemented standard stem (Corail®, DePuy Synthes, USA). The mobilization was performed under full load. The evaluation of comorbidities and functional results was performed according to orthogeriatric management.
Results	Functional outcomes and quality of life were assessed according to PMI, HHS, MAP and EQ-5D-3L. The follow-up examinations of the patients showed a proper fracture healing and correct implant position. Average results were found in PMI, HHS and MAP. An HHS of 72 ± 11.1 points was determined. The PMI was 5.5 ± 2.5 points. Patients achieved a MAP of 7.5 ± 2.5 points. Measurement of patients' health-related quality of life and evaluation of patients' daily skills (PROMs) resulted in significant improvements. The EQ-5D-3L and Barthel Index showed good results. Good to very good results were achieved in the categories pain and mobility.
Key Points	Geriatric patients with dislocated acetabular fractures can benefit from the cementless modular MRS-TITAN Comfort with early mobilization (postoperative full load). The treatment of osteoporotic acetabular fractures with the cementless modular revision cup MRS-TITAN Comfort led to an improvement in functional <u>and</u> patient reported results. The results confirm the evaluations of 30 patients (<i>Schray et al. JATROS Orthopädie & Traumatologie Rheumatologie, 2018;1</i>). Based on the promising results, the Munich algorithm was developed as a decision aid for the surgical treatment of acetabular fractures in geriatric trauma patients.
Abbreviations	PMI - Parker mobility index, HHS - Harris hip score, MAP - Merle d'Aubigne and Postel score, PROMs - patient reported outcome measures

LBL549-81-20190312