

Executive Summary

Publication	[Periprosthetic acetabular fractures: Clinical outcome after use of a modular acetabular revision system] Periprosthetische Acetabulumfrakturen: Klinisches Outcome nach Verwendung einer modularen Revisions-Stützpfanne. Mrotzek SJ, Ohlmeier M, Suhardi D, Frieler S, Geßmann J, Schildhauer TA, Baecker H. Meeting Abstract, German Congress of Orthopaedics and Traumatology (DKOU), 22 - 25 Oktober 2019, Berlin [German] https://www.egms.de/static/en/meetings/dkou2019/19dkou280.shtml
Study	Retrospective
Implant	Cementless modular acetabular revision system MRS-TITAN Comfort (PETER BREHM GmbH)
Patients	n=26
Follow-up	The mean follow-up time was 28.6 months.
Method	100 patients with acetabular bone defects were treated with the cementless modular acetabular revision system MRS-TITAN Comfort between 06/2013 and 12/2016. 26 patients with periprosthetic acetabular fracture were included in the study. Preoperative classification of acetabular bone defects was based on <i>Paprosky</i> classification. The modified HHS, radiological results, length of hospital stay, duration of surgery, implant size, postoperative stays in the monitoring and intensive care units, and complications were all assessed.
Results	An acetabular bone defect type IIIb according to <i>Paprosky</i> was present in 18 patients. 4 patients had an acetabular defect type 3a, one patient a type 2b and 3 patients a type 2a. The mean hospital stay was 34.85 days (range, 9-167). 11 patients underwent postoperative treatment in the monitoring and intensive care units. Complications occurred in 5 patients (nerve damage, dislocation, hematoma, infection). The modified HHS could be determined postoperatively in 16 patients. The mean HHS was 66.44 points (range, 39-91).
Key Points	The results show a good survival rate and low complication rate of the cementless modular acetabular revision system MRS-TITAN Comfort. The postoperative modified HHS had an average score. Based on the results, the authors conclude that the cementless modular acetabular revision system MRS-TITAN Comfort seems to be a good treatment option especially for complex type III defects according to <i>Paprosky</i>. They emphasize that these encouraging results must be confirmed by a longer follow-up period.
Abbreviations	HHS – Harris Hip Score