

Executive Summary

Publication	Treatment of periprosthetic fractures with pelvic discontinuity [MANEJO DE DISCONTUIDAD PÉLVICA PERIPROTÉSICA] Blanco BF, Hevia IP, Vargas Becerra MM, Quirós GD, Domínguez FD, Prado PG. 55. SECOT Kongress, ePoster, 26.-28. September 2018, Valladolid, Spain https://secot2018.com/visor_posters.php (Spanish, online access)
Study	Case report
Implant	MRS-TITAN Comfort (PETER BREHM GmbH)
Patients	n=1 (female)
Follow-up	3, 6 and 12 months
Method	Periprosthetic pelvic fracture with discontinuity is a serious complication in hip arthroplasty. The authors present their experiences in the treatment of a 78-year-old female patient with periprosthetic pelvic fracture (Paprosky type IIIb), acetabular migration into the pelvis and associated vascular injury. The patient received a hip prosthesis in another hospital in 2015. Due to a prosthesis infection with the gram-negative germ <i>Pseudomonas aeruginosa</i>, the hip prosthesis was replaced. There was acetabular cup migration into the pelvis and an aneurysm of the left <i>arteria iliaca externa</i>. The aneurysm was treated with a stent. The patient was referred to the University Hospital Asturias (Orviedo). The constraint cup (metal/polyethylene) was removed and a cementless modular acetabular reconstruction with allogenic bone graft and the MRS-TITAN Comfort in combination with a dysplasia liner (polyethylene) and ceramic femoral ball head was performed.
Results	In the immediate postoperative phase anemia required three transfusions to stabilize the patient. CT angiography showed no active bleeding. An infection could be excluded. Rehabilitation was performed. The patient could walk again after one month and needs two walking aids. The hospital stay lasted 71 days. The patient had a VAS pain value of 7. The radiological follow-up after 3, 6 and 12 months showed a correct implant position. No acetabular cup migration was found, which shows the consolidation of the allogenic bone graft. There were no implant-related complications. The further course was positive and without complications.
Key Points	The periprosthetic pelvic fracture with discontinuity can be treated differently. The treatment of pelvic discontinuity (Paprosky IIIb) with MRS-TITAN Comfort revision cup using allogenic bone graft seems to be a good option and led to a good clinical-functional and radiological outcome.
Abbreviations	SECOT – Sociedad Española de Cirugía Ortopédica y Traumatología [Spanish Society of Orthopaedic Surgery and Traumatology], VAS – visual analog scale

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