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## Technical note

# Percutaneous posterior fixation for unstable pelvic ring fractures

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### Abstract

*Introduction:* Several posterior fixation techniques for unstable pelvic ring fractures have been described. Here we present a minimally invasive, percutaneous technique to fix the two posterior iliac crests using spinal instrumentation.

*Material and methods:* Between September 2008 and March 2012, 11 patients with a mean age of 36.4 years were operated because of a vertically unstable Tile C pelvic ring fracture. Posterior fixation was performed using two polyaxial screws in each iliac crest with two subfascial connector rods. At the final follow-up, all patients were evaluated clinically and radiologically.

*Results:* The mean surgery time was 45 minutes; there were no intraoperative complications. At a mean follow-up of 4 years, the functional Majeed score was excellent in 8 patients and good in 3 patients. The radiological results were excellent in 8 patients and good in 3 patients.

*Conclusion:* Percutaneous posterior fixation of vertically unstable pelvic fractures leads to good functional and radiological outcomes.

*Type of study:* technical note, retrospective

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