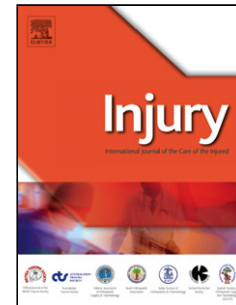


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# **Accordion technique combined with minimally invasive percutaneous decortication for the treatment of bone non-union**

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## **Abstract**

**Background:** A variety of approaches have been used to treat oligotrophic or atrophic non-union. Conventional methods are often associated with great operative trauma, increased blood loss, a risk of re-infection, higher medical costs, and complications at the donor site. This study aimed to assess the clinical efficacy of the accordion technique combined with Minimally Invasive Percutaneous Decortication (MIPD) for these types of bone non-union.

**Methods:** From January 2010 to December 2015, 20 patients with long bone aseptic non-unions of the lower extremities without bone defects who were treated with the accordion technique combined with MIPD. The limb-length discrepancy (LLD) was less than 2 cm in all patients. None of the patients

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