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## Technical note

### **Percutaneous fixation of valgus displaced fracture of the proximal humerus using a single screw.**

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## Abstract

Valgus-impacted proximal humerus fracture is a classic but rare entity in shoulder traumatology. Surgical treatment is controversial, with increasing use of minimally invasive techniques. Our technique uses a minimally invasive approach under fluoroscopic control. Raising the humeral head to reduce the valgus enables spontaneous and well-positioned reduction of the tuberosities and screw fixation between the greater tuberosity and the humeral shaft. Indications comprise valgus-impacted fracture without comminution of the medial epiphyseal-metaphyseal hinge or greater tuberosity; the rotator cuff contributes to reduction and must be intact. This type of fixation restores proximal humerus anatomy and achieves consolidation with low risk of secondary necrosis. Minimally invasive single-screw fixation is an alternative of choice for surgical treatment of valgus-impacted proximal humerus fracture.

Key-words: Proximal humerus fracture; Valgus impacted fracture; Percutaneous fixation.

## Introduction

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