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Similar results after Latarjet procedure between primary cases and revision cases after prior arthroscopic Bankart procedure

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Disclosures: Our team does not have a financial interest or other relationship with a commercial company or institution



Introduction

- Anterior shoulder dislocation is frequently perplexed by recurrent instability with rates up to 70% in young patients. Recurrent instability has been correlated with bony lesions, young age and contact sports. The optimal surgical modality remains debatable, with the majority of surgeons preferring the Bankart procedure as the primary repair for recurrent instability.



Aim

- The aim of this study was to compare the outcomes of mini-open Latarjet procedure as primary procedure versus revision repair after failed arthroscopic Bankart repair, in a tertiary teaching Orthopaedic department in Greece.



Material and methods

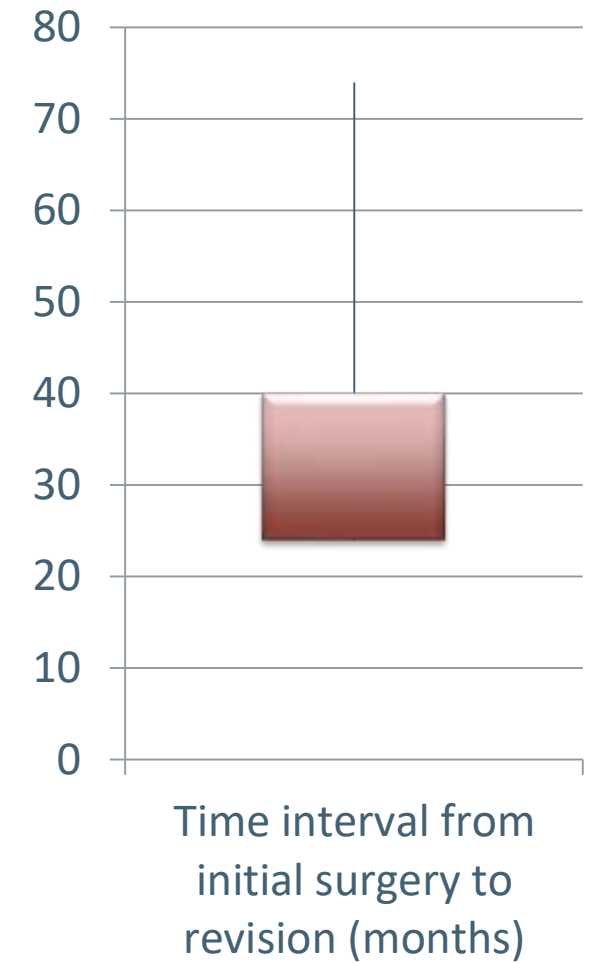
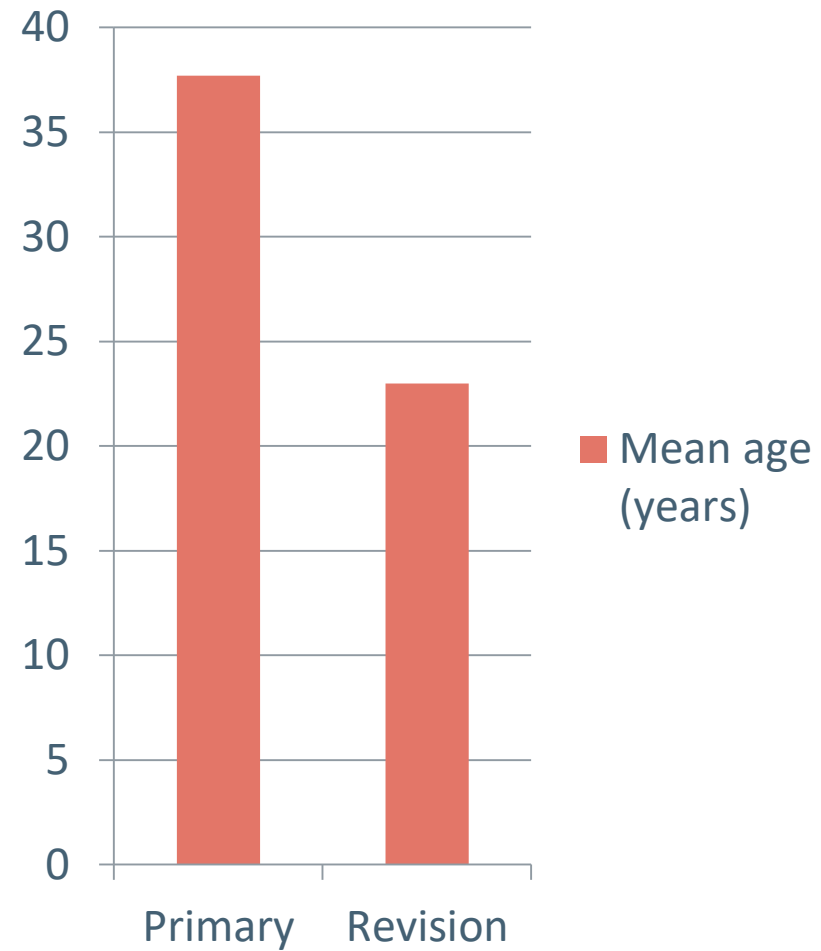
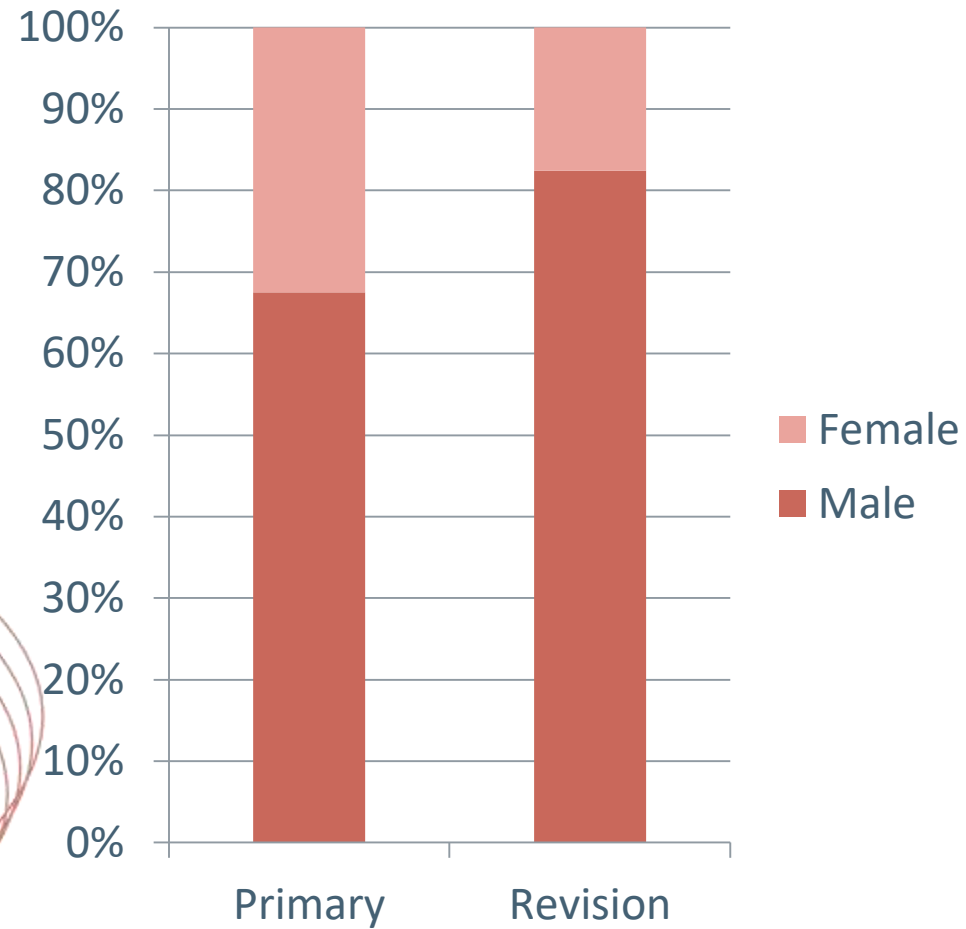
- Retrospective comparative study of all patients with traumatic anterior shoulder instability who underwent an open Latarjet procedure either as primary (group 1) or as revision surgery (group 2) from 2012 to 2020
- Clinical and functional outcomes were assessed using the Rowe, Oxford Shoulder Instability, VAS scores
- Rate of recurrence was recorded
- All patients had a minimum follow-up of 2 years

Results

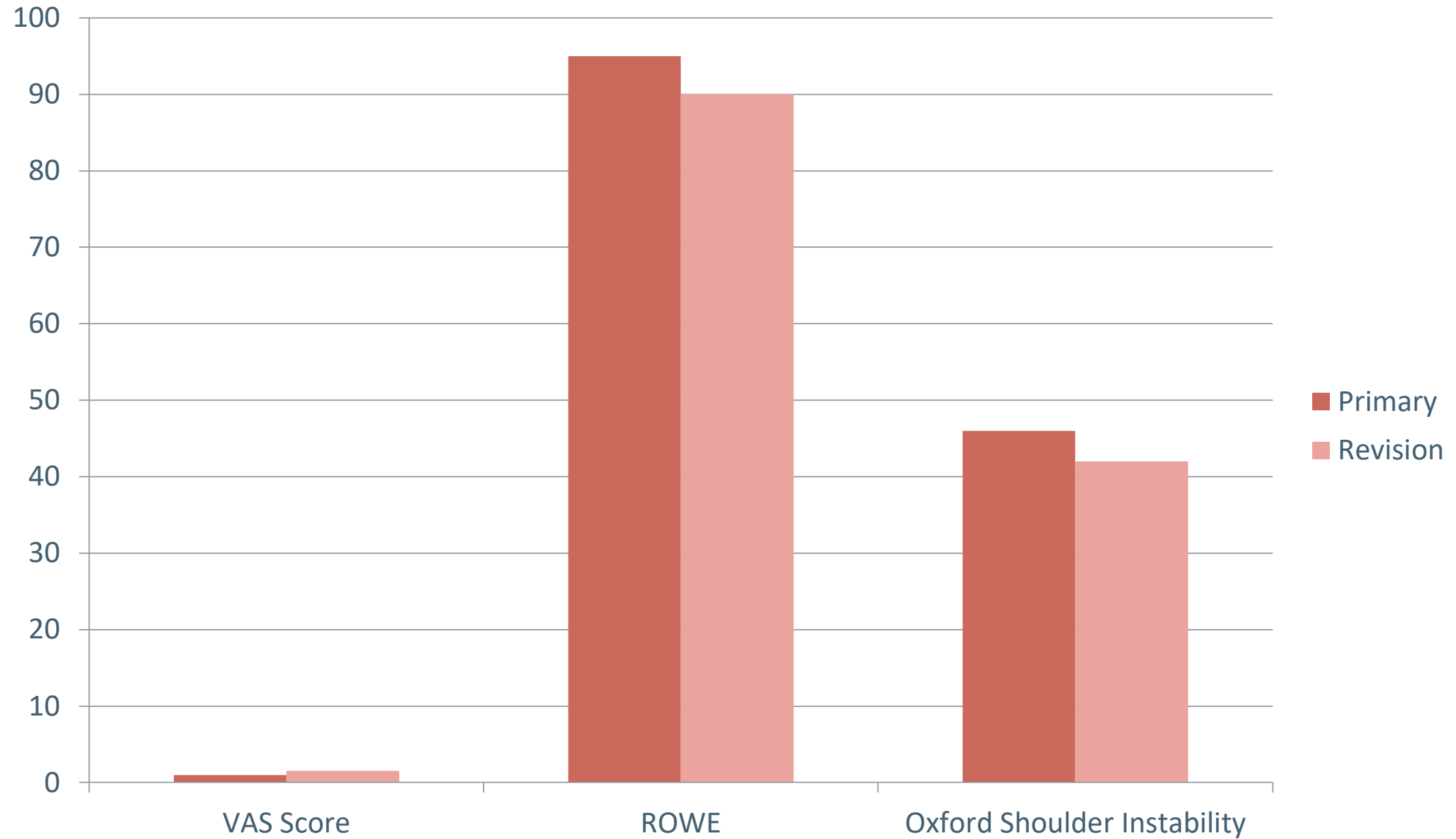
- 43 and 17 patients were included in group 1 and 2, respectively. Mean follow-up was 5,7 years for group 1 and 5,9 years for group 2
- Post-operatively all clinical scores (Rowe, Oxford Shoulder Instability, VAS scores) highlighted a worse status for the revision Latarjet group, but this was not statistically significant ($p>0.05$)
- Return to daily activities, including sport activities, was also comparable among the two groups
- One patient from each group had recurrent instability ($p=.34$)
- No major complication was recorded during the follow-up in both groups



Cohort demographics



Post-operative clinical scores



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Figure 1: X-ray of 29 y.o. male, 10 years postoperatively

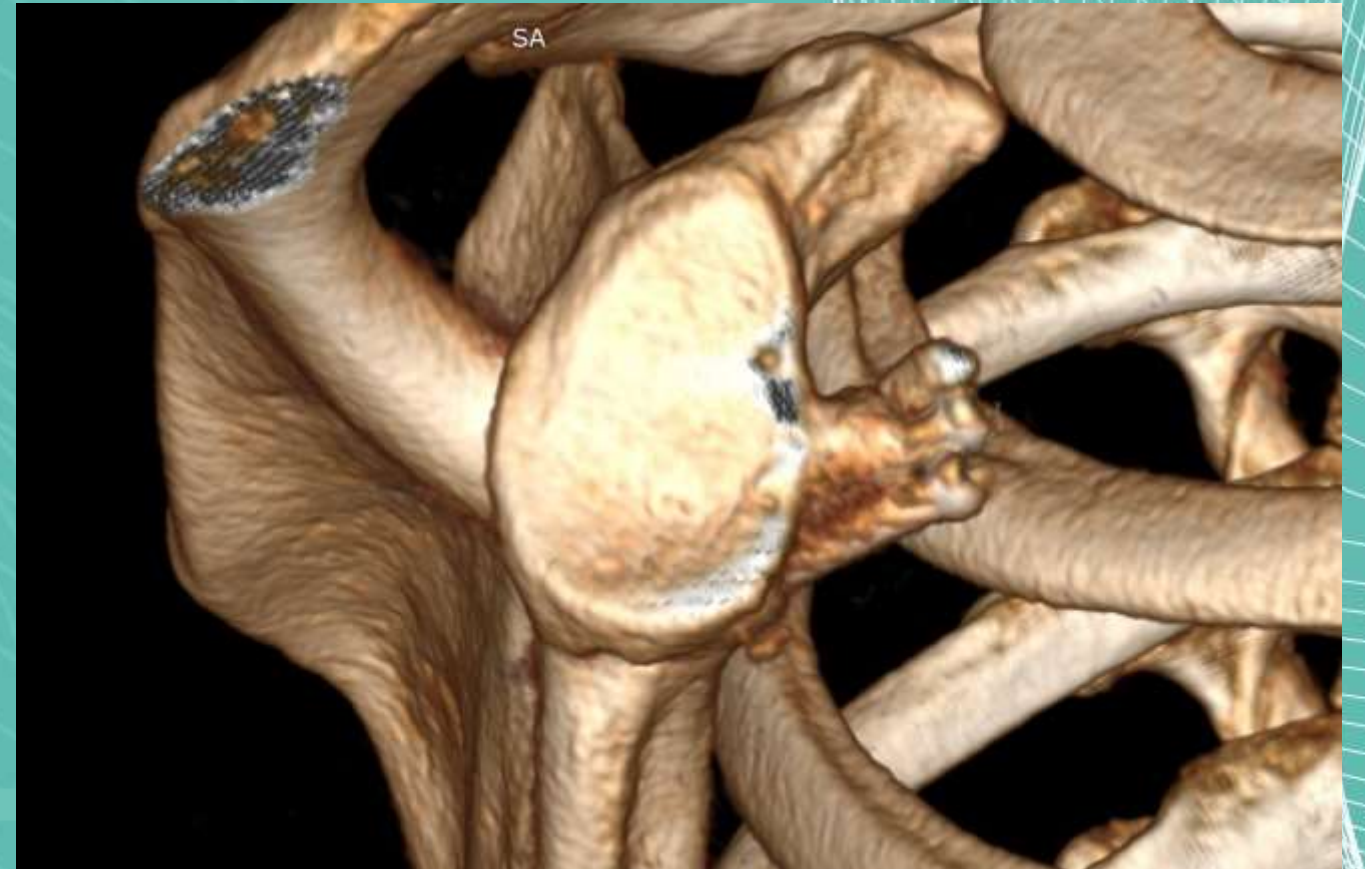


Figure 2: 3D CT scan of 29 y.o. male, 3 years postoperatively

Conclusion

- The Latarjet procedure is effective in treating chronic anterior shoulder instability and is associated with high levels of patient satisfaction
- Functional outcome scores, postoperative pain and recurrence rate suggest no significant difference between primary and revision Latarjet procedures



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