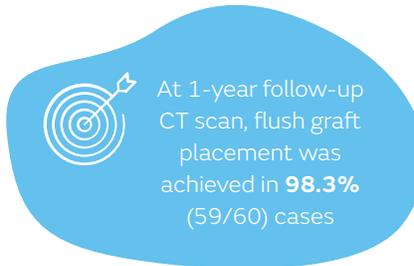
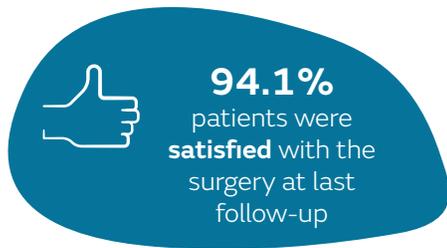


Clinical and radiological findings of arthroscopic Latarjet procedure with Double ENDOBUTTON[®] Fixation Device

Taverna E, Longo UG, Guarrella V, et al. A new mini-open technique of arthroscopically assisted Latarjet. *BMC Musculoskelet Disord.* 2020;21:285.

Available at: [BMC Musculoskeletal Disorders](#) 

Key points



Overview

- Retrospective, consecutive case series assessing clinical and radiological findings following arthroscopic Latarjet with Double ENDOBUTTON fixation to treat patients with glenoid bone loss and anterior instability of the shoulder
 - 60 patients (mean age, 25.5 years; mean follow-up, 32.5 months)
 - All patients had a glenoid bone deficit $\geq 10\%$ on pre-surgery CT scan
- Return to sport, apprehension of the shoulder, range of motion, complication and reoperation rates, Rowe score, Walch-Duplay score, subjective shoulder value (SSV) and patient satisfaction were all assessed at post-surgery follow-up
- At 1-year post-surgery, graft positioning and healing was assessed via a CT scan

Results

- At last follow-up, no revisions were reported
 - No neurological complications or infections
- At last follow-up, 93.3% (56/60) patients reported a stable shoulder, without complaints
- At last follow-up, the mean Walch-Duplay score was 92.4, mean Rowe score was 93.6 and mean SSV was 88.1
- 94.1% patients were mostly or very satisfied, and 93.3% would undergo the same procedure again
- 82.1% (23/28) patients returned to sport at pre-injury level (Figure)
 - 76.5% (13/17) at competitive level
- Mean loss of external rotation with the elbow at the side was 9.8°
 - 26.7% (16/60) 16 patients (26.7%) were aware of the loss of range of motion
- At 1-year CT scan follow-up:
 - Flush graft placement was achieved in 98.3% of cases (59/60) and at the equator or just under in 96.7% (58/60)
 - No sign of cartilage joint degeneration in 95% patients (57/60)

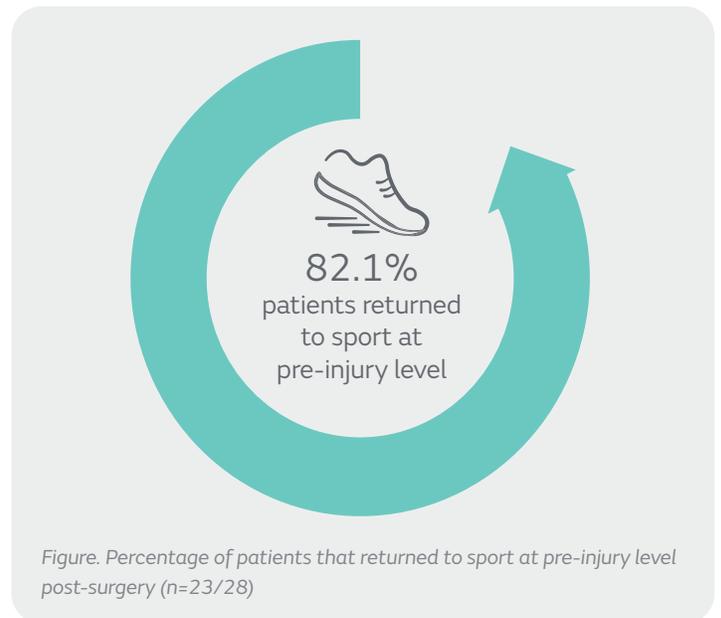


Figure. Percentage of patients that returned to sport at pre-injury level post-surgery (n=23/28)

Conclusions

Arthroscopic Latarjet with Double ENDOBUTTON fixation, resulted in high levels of patient satisfaction and return to sport, as well as accurate graft placement.