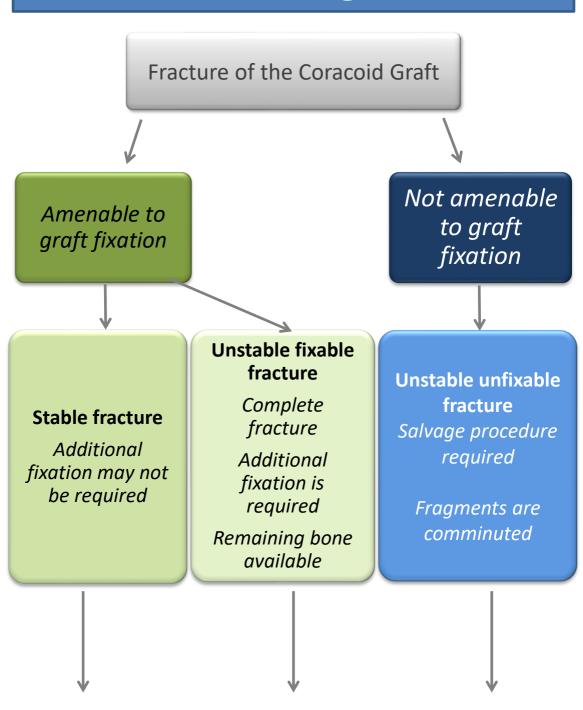
The Fractured Latarjet Treatment Algorithm



The Fractured Latarjet Treatment Algorithm

Stable fracture

Additional fixation may not be required

Unstable fixable fracture

Complete
fracture,
additional
fixation is
required,
remaining bone
available

Unstable
unfixable
fracture
Salvage
procedure
required,
fragments are
comminuted

- Complete osteosynthesis as planned
- Complete screw fixation with washers or plate fixation
- 1) Add cerclage or suture anchors and complete osteosynthesis as planned
- 2) Use one screw only
 - 3) Convert to
 Bristow
 Procedure
- 1) Convert to
 Bankart +
 remplissage (if
 Hill Sachs and
 subcritical
 glenoid bone
 loss)
 2) Convert to

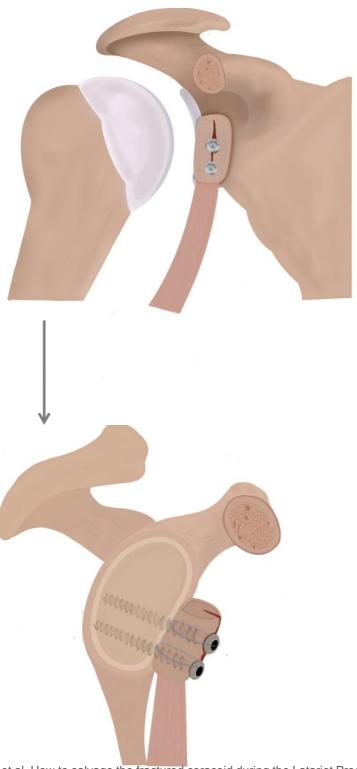
other bone-

block procedure

stable unstable stable stable stable

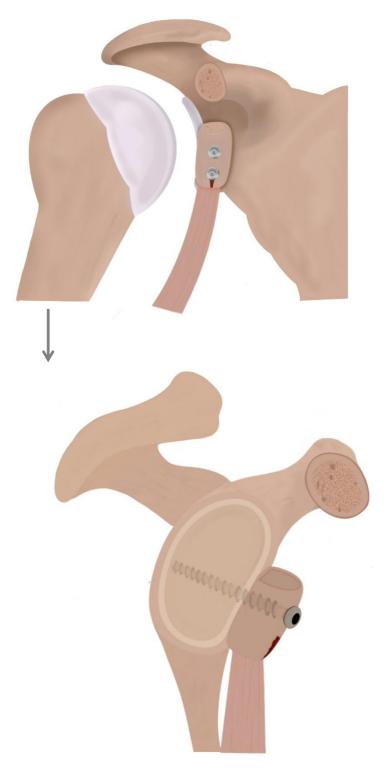
Complete procedure and Scan post-op

Stable fracture

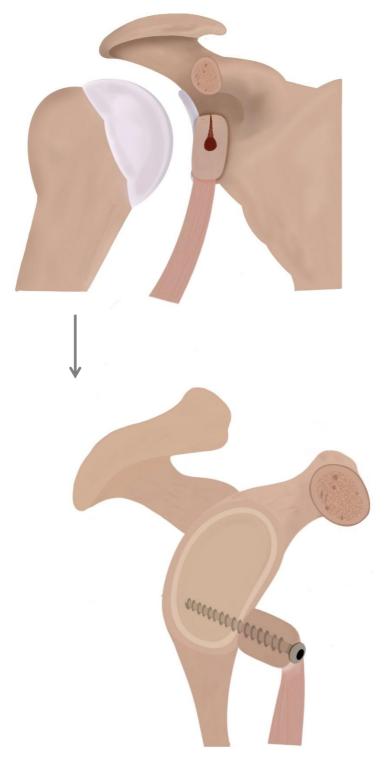


Van Spanning et al. How to salvage the fractured coracoid during the Latarjet Procedure? An empirical approach Orthop Traumatol Surg Res 2024

Stable fracture



Unstable fixable graft fracture



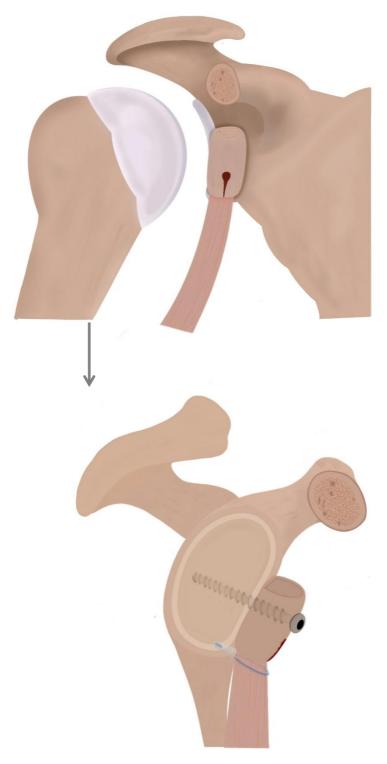
Unstable fracture amendable for fixation



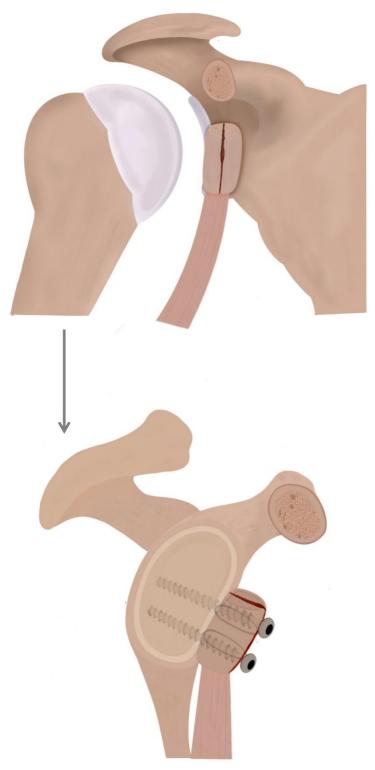
Conversion to Bristow technique

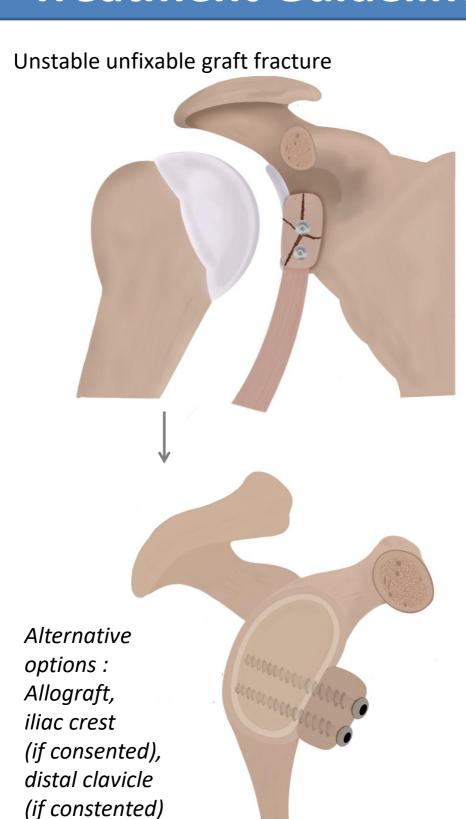


Unstable fixable graft fracture



Unstable fixable graft fracture





Pearl&Pitfalls



- **☑ Pre-operative Screening**: Helps assess the superior-inferior distance of the coracoid.
- Coracoid Length: A minimum of 20 mm is required for a reliable Latarjet procedure.
- Alternative Approach: For smaller coracoids, consider a **Bristow procedure**.



▲ Screw Tightening: Excessive pressure increases the risk of coracoid fracture—use only two-finger tightening.

▲ Bone Quality: In poor-quality bone, a mini plate can reinforce the construct.

▲ Drilling & Osteotomy: Leave at least 3-4 mm from the superior hole to prevent fracture when using an osteotome.

References

van Spanning, S. H., Lafosse, T., Athwal, G. S., Favorito, P., Meislin, R. J., Lallemand, G., Vogels, J., Lafosse, L., & Buijze, G. A. (2024, Jun 13). How to salvage the fractured coracoid during the Latarjet Procedure? An empirical approach. *Orthop Traumatol Surg Res*, 103919.

https://doi.org/10.1016/j.otsr.2024.103919

