

Long-Term Outcomes of Glenohumeral Arthrodesis

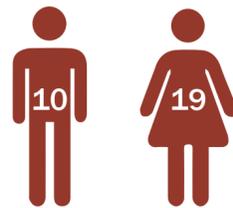
Retrospective review of 29 shoulders that had undergone primary glenohumeral arthrodesis



Screw



Plate and screw



Average age
42 (17 - 69)



Average follow-up

Indications

- Chronic infection
- Neurologic injuries
- Recurrent dislocations
- Proximal humeral or shoulder girdle tumors
- Rotator cuff arthropathy and pseudoparalysis

High rate of complications



41% had complications
24% were nonunion

Daily limitations



87% reported limitations

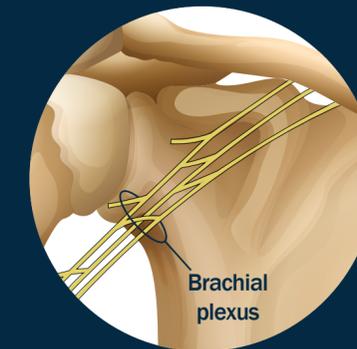
Reasonable pain relief



Rate of moderate/severe pain
dropped from 93% to 34%



Better function with an
arthrodesis position $\geq 25^\circ$



Worse outcomes associated
with brachial plexopathy



Glenohumeral arthrodesis, used in cases with high levels of preoperative limitation, has a high rate of complications and functional limitations but can provide pain relief and shoulder stability.

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Wagner et al. (2018)

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