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# Glenohumeral Arthritis after Latarjet

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# Faculty Disclosure Information

- Nothing to disclosure...



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# Method

- - Retrospective analysis of 41 cases
- - Mean follow-up period:  $10.95 \pm 4.18$  years
- - Arthritis staged using Samilson and Prieto classification



# Clinical Outcomes

- - Significant improvement in pain (VAS), Rowe score, and UCLA shoulder score ( $p < 0.001$ )
- - Mean preoperative scores: 2.9 (VAS), 33.41 (Rowe), 20.82 (UCLA)
- - Mean postoperative scores: 1.36 (VAS), 85.97 (Rowe), 31.09 (UCLA)



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# Arthritis Prevalence

- - 9 patients had arthritic shoulders before surgery
- - 5 non-arthritic shoulders developed arthritis after surgery



# Impact of Arthritis on Clinical Outcomes

- - Arthritic shoulders showed significantly lower improvement in pain, Rowe, and UCLA scores ( $p < 0.001$ )



# Risk Factors for Arthritis Progression

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- Age at time of surgery ( $p < 0.001$ )
- - Number of preoperative dislocations ( $p = 0.009$ )
- - Lateral-overhang of graft ( $p = 0.002$ )



# Conclusion

- - Latarjet procedure increases probability of development of arthritis postoperatively
- - Arthritis adversely affects clinical outcome
- - Age, number of preoperative dislocations, and lateral-overhang of graft are associated with postoperative arthritis





# References

- Low grade of osteoarthritis development after Latarjet procedure with a minimum 5 years of follow-up: a systematic review and pooled analysis
- Alessandra Menon 1,2, Chiara Fossati 1,2, Mauro Magnani 2,✉, Sara Boveri 4, Riccardo Compagnoni 1,2, Pietro Simone Randelli 1,2,3



# References

- Glenohumeral arthritis after Latarjet procedure: Progression and it's clinical significance
- Young Moon Kee et al. J Orthop Sci. 2017 Sep.