

Gelnohumeral Arthritis after Latarjet

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# **Faculty Disclosure Information**

Nothing to disclosure...





## Method

- Retrospective analysis of 41 cases
- Mean follow-up period: 10.95 ± 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)</li>

Mean preoperative scores: 2.9 (VAS), 33.41 (Rowe), 20.82 (UCLA)

- Mean postoperative scores: 1.36 (VAS), 85.97 (Rowe), 31.09 (UCLA)





#### **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)</li>





# Risk Factors for Arthritis Progression

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Age at time of surgery (p < 0.001)</li>

Number of preoperative dislocations (p = 0.009)

Lateral-overhang of graft (p = 0.002)





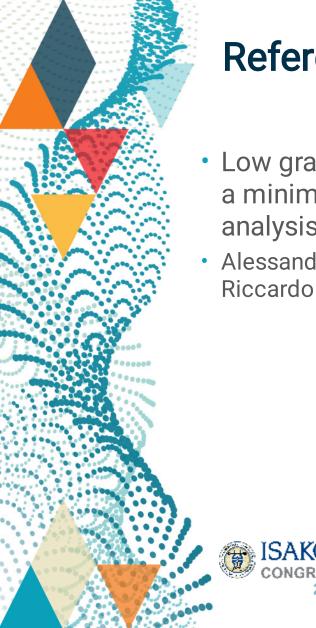
## Conclusion

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

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### References

 Glenohumeral arthritis after Latarjet procedure: Progression and it's clinical significance

Young Moon Kee et al. J Orthop Sci. 2017 Sep.

