Arthroscopic Repair of HAGL Lesion in Patients with Shoulder Instability. Clinical and Functional Results

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Disclosure

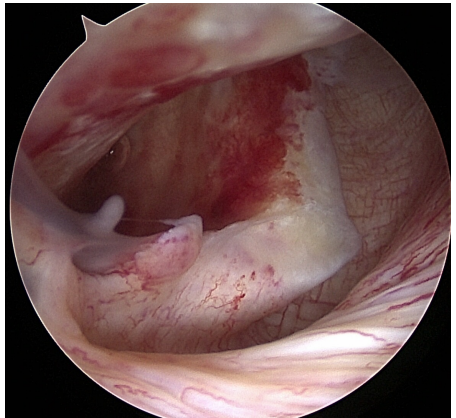
Dr. Narbona P.A.: I am Consultant for Arthrex

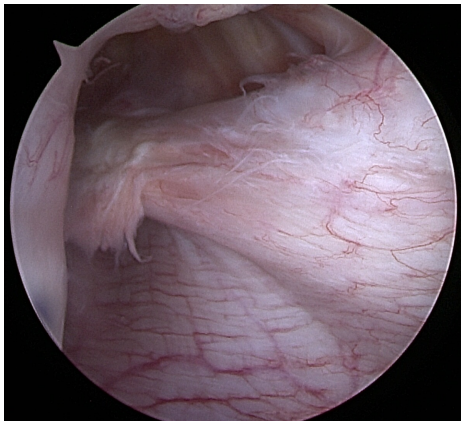
Pauletti F.: I have no financial conflicts to disclose
Olmos M.I.: I have no financial conflicts to disclose
Vaquer M.: I have no financial conflicts to disclose
Carranza N.: I have no financial conflicts to disclose
Ruffini G.: I have no financial conflicts to disclose

No Potential Conflict of Interest
In this Presentation

Introduction

- 2,9 - 9,3% Instability Patients with HAGL
- 93% Inferior Glenohumeral ligament (IGHL)
- Chronic pain, dysfunctional joint, ***recurrence on instability***

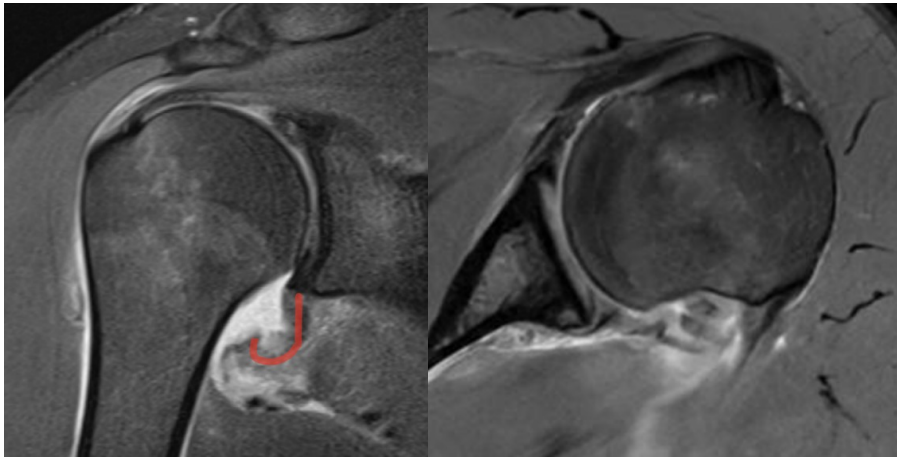


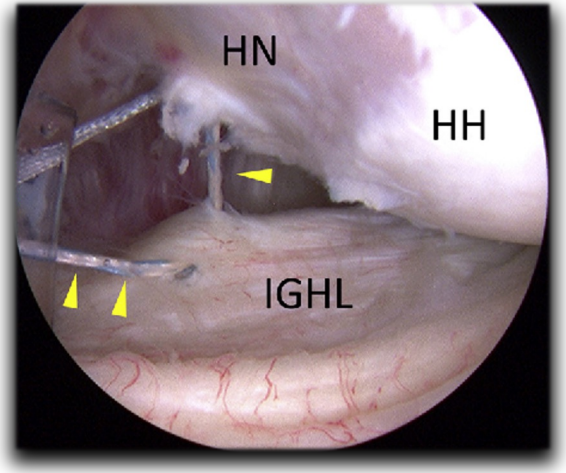


Burkhart S.S. Arthroscopic repair of anterior humeral avulsion of the glenohumeral ligaments. Shoulder Elb Surg. 2006

Introduction

- RMN **GOLD STANDARD**
- Conservative treatment associated with a high rate of recurrent instability
- Surgical treatment excellent results follow up 26 months





Bozzo A, Oitment C, Thornley P, et al. Humeral avulsion of the glenohumeral ligament: indications for surgical treatment and outcomes-a systematic review. Orthop J Sports Med. 2017

Purpouse

- Evaluate the incidence of injury associated with instability
- Functional Outcomes
- Recurrence rate after arthroscopic surgical treatment of HAGL Lesion

Methods

Monocentric and Retrospective Study – Case Series
2009 - 2021

Inclusion Criteria

- 15-45 years
- Athletes
- Intra and extraop Diagnosis
- Arthroscopy Repair

Exclusion Criteria

- Open surgery
- FU< 1 year

Results

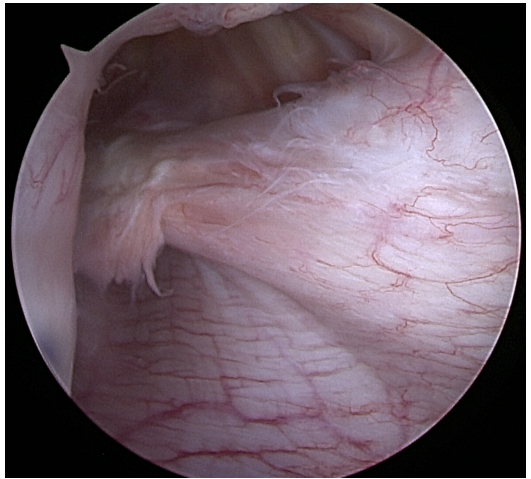
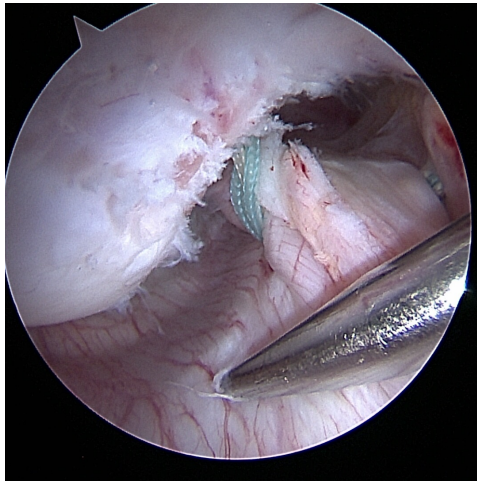
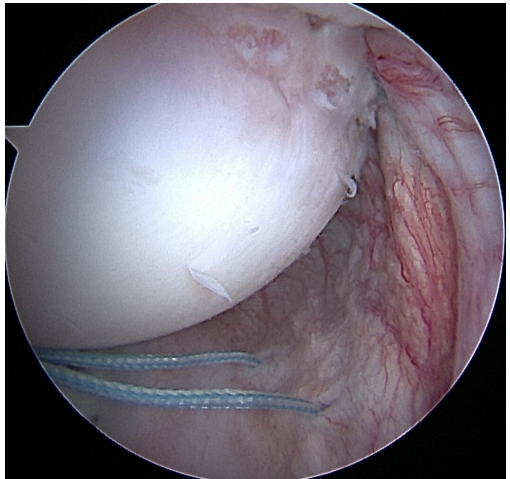
Surgical Arthoscopic Repair	
N	• 22/1100
Age(years)	• 26
Contact/Collision sport	• 79%
Dx Intraop	• 12 (55%)
Associated injuries	• Labral (86%) • Hill Sachs (73%) • RC (20%) • LHB (7%) • Spinoglenoid cyst (3%)
FU (Month)	• 61 (DE= 59,7)
Recurrence	• 1 (18 months postop)
Return at sport	• 95%

Results

Patiens with HAGL lesión Post-Op						
scores	CONSTANT	WOSI	UCLA	ASES	SST	ROWE
Nº 22	100	96	35	100	12	100

Discussion

- Low complication rate
- Low recurrence rate at 5 year
- Favorable functional results in the medium term
- High rates of sports return

Clinical Outcomes in Patients With Humeral Avulsion Glenohumeral Ligament Lesion in the Setting of Anterior Sholuder Instability : A Retrospective Comparative Study

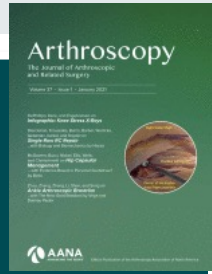
Davey MS, Hurley ET, Gaafar M, Delaney R, Mullett H.

2023

- Open and Arthroscopic surgery
- Minimum FU 2 years
- 15 patients, 21,5 years
- Average of 53 months of FU
- Functional outcomes, return to sports with no significant differences between both groups

Clinical Outcomes and Return to Sports After Arthroscopic Repair of Humeral Avulsion of the Glenohumeral Ligament: A Meta-Analysis

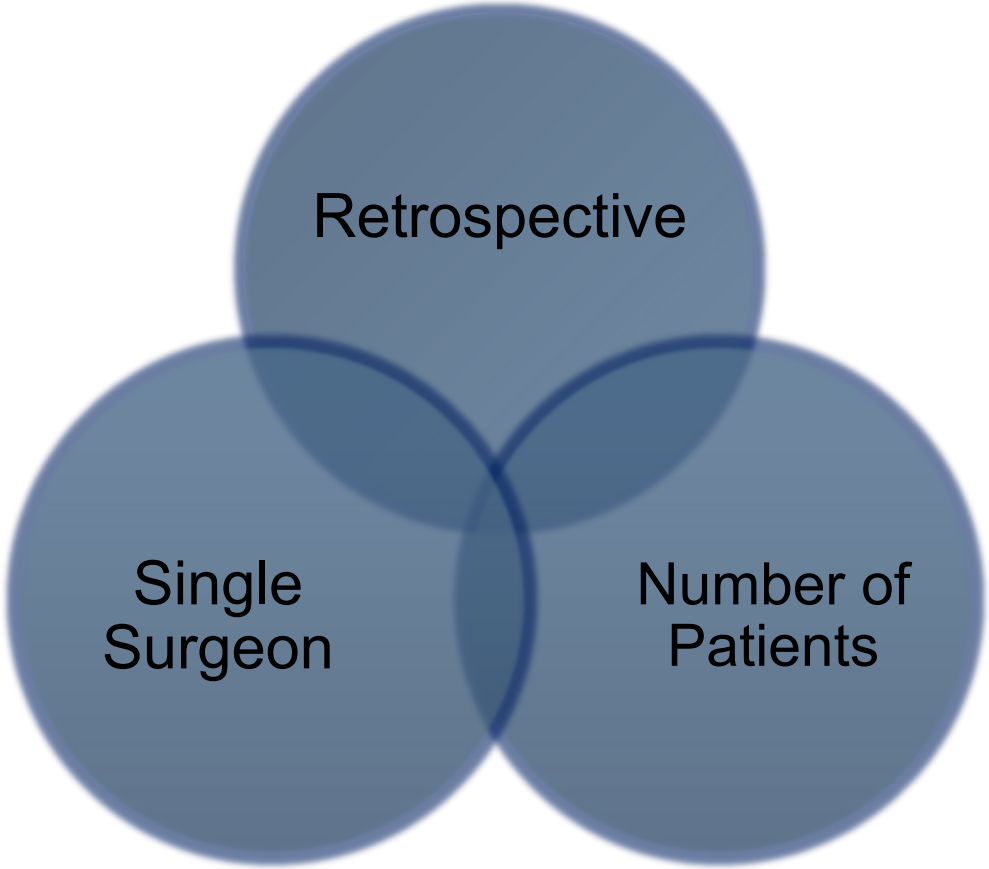
S. Almatrafi A. Amer, H. Kazim



2023

- 18 Papers → 832 P → 379 HAGL diagnosis
- Arthroscopic repair
- 89.1% return to sports
- Average of 6.65 months for return to sports
- Functional Outcomes WOSI (88.6), OSIS (15.02), SSV (86.90)

Limitations



Conclusion

- Low Incidence Pathology
- Diagnosis often Intraoperative
- Arthroscopic Surgical Treatment is Technically Demanding
- Favorable Results in the Short and Medium Term

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