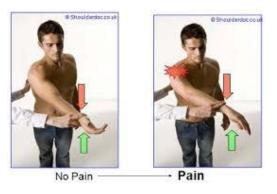


LHB anchor/root-SLAP

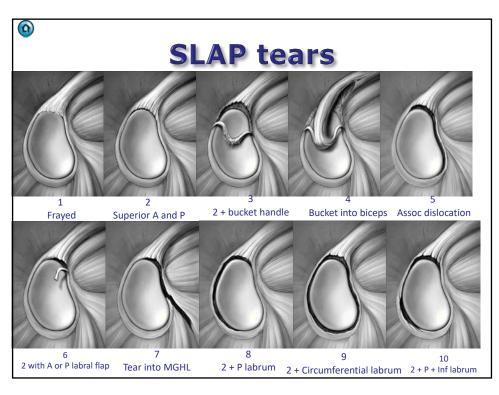


SLAP: ?controversial diagnosis, lots of tests O'Brien test-deep seated pain under ACJ

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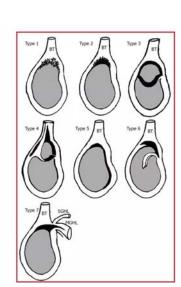
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SLAP Lesions

Treatment options

- I. Arthroscopic debridement
- II. SLAP repair vs LHB tenodesis/tenotomy
- III. Resection vs repair
- IV. <50% LHB SLAP repair/resection
- IV. >50% LHB = tenotomy / tenodesis
- V. Bankart repair + SLAP repair
- VI. SLAP repair vs resection
- VII. SLAP repair + Anterosuperior labral repair



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S J Orthop Surg (Hong Kong). May-Aug 2017;25(2):2309499017718952. doi: 10.1177/2309499017718952.

Concomitant SLAP repair does not influence the surgical outcome for arthroscopic Bankart repair of traumatic shoulder dislocations

Nuri Aydin $^{\rm 1}$, Mehmet Bekir Unal $^{\rm 2}$, Mustafa Asansu $^{\rm 3}$, Okan Tok $^{\rm 4}$

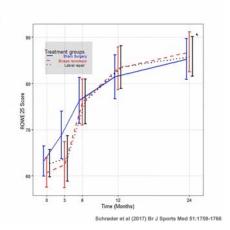
Bankart repair alone vs Bankart and SLAP repair: no difference

?Benefit of SLAP repair

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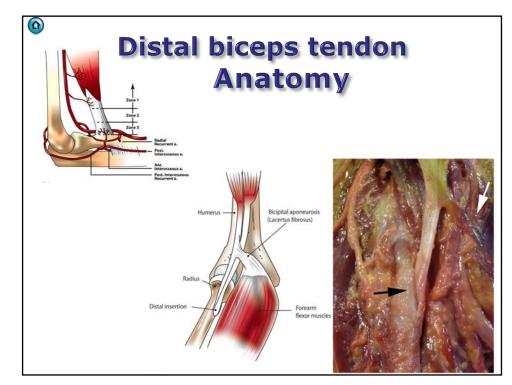
Type 2 SLAP RCT

- Norwegian study
- 118 patients
- Double blind
- Labral repair / Tenodesis / Sham
- Rowe score / WOSI @6/12 & 24/12
- No significant between-group differences at any follow-up in any outcome





LHB tenodesis rather than SLAP repair especially over age 40!



Distal biceps

- Increasingly recognised
- Middle aged male

Weight lifting, forceful supination

History

Sudden, sharp, painful tearing sensation region

Occasionally posterolateral elbow pain

Examination

Tenderness in antecubital fossa, palpable defect Beware bicipital aponeurosis may remain, beware partial rupture

Bruising medial elbow and forearm

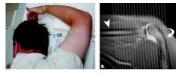
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Distal biceps rupture



Reverse Popeye-sign

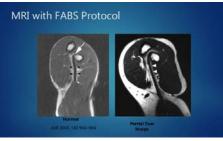






O'Driscoll hook test

MRI





Radiographs: Often normal May show irregularity or bony avulsion

MRI, U/S:

Indicated if Dx in doubt Partial tear Delayed presentation Intact lacertus fibrosus



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Distal biceps

Biceps is:

- Primary supinator
- Secondary flexor
- Acute distal biceps rupture results in:
 - 40% loss of supination strength
 - 15% loss of flexion strength, flexion strength loss decreases with time
- Treatment
 - Non operative (main loss supination) Operative

Distal biceps

Non - Operative

Supination loss 30-40% Flexion loss 15%, decreases with time

Persistent pain ocassionally

Operative

Indicated if can't tolerate loss of supination strength.

Risks

Infection

Nerve damage

Wound breakdown

Stiffness

Continued pain

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A Method for Reinsertion of the Distal Biceps Brachii Tendon

H. B. Boyd and L. D. Anderson J Bone Joint Surg Am. 1961;43:1041-1043.

Boyd and Anderson

1961

- 2 incision
- **Modifications** Morrey

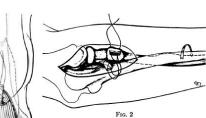


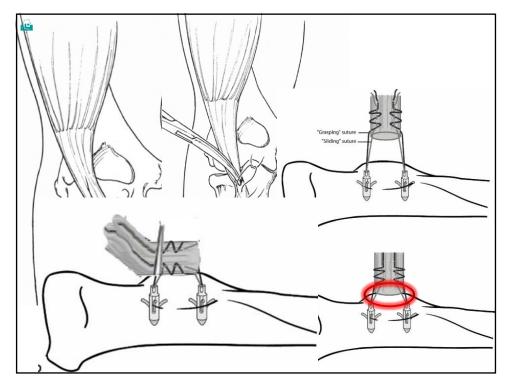
Fig. 1: On the left is shown the line of the anterior skin incision. In the larger drawing, the retracted biceps tendon is seen in the upper portion of the incision with a silk suture in place. By retracting the distal end of the incision, the canal of the biceps tendon is located between the brachilais and the pronator teres on the medial side and the brachila-radialis on the lateral side.

Fig. 2: The radial tuberosity as seen through the te the full pronation of the radi

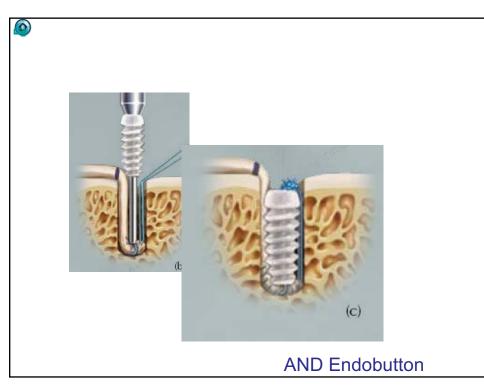
Distal biceps Operative technique

- Two incision Transosseous suture
- Single incision (< 4weeks) Anchor Endobutton Endobutton and interference screw
- Surgeon preference
- Reconstruction (>3-4weeks) Tendon graft (hamstring)

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^{Sevent} Repair of Distal Biceps Tendon Avulsion With the Endobutton Technique

