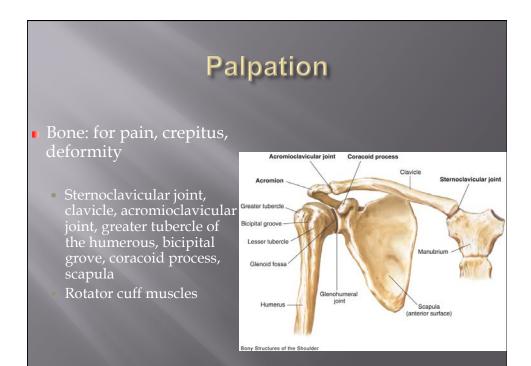
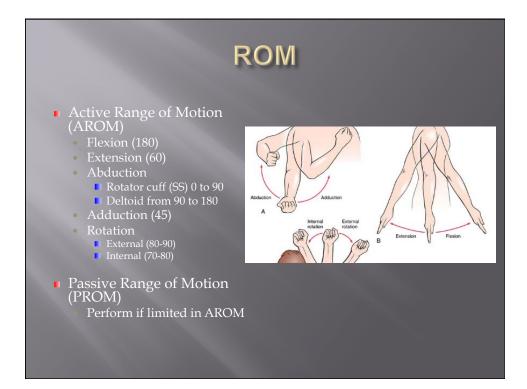
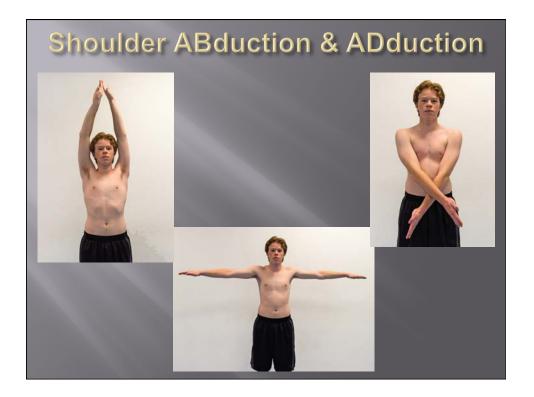
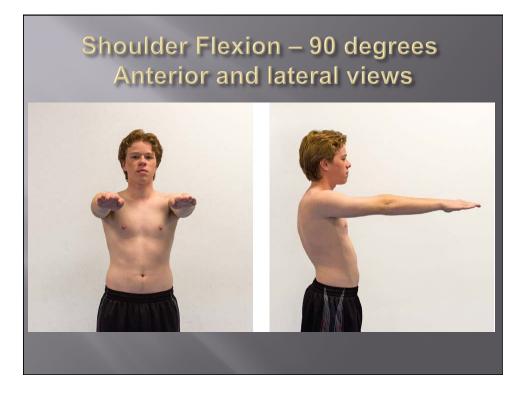


Shoulder	
<ul> <li>Inspection</li> <li>Symmetry, boney deformity, swelling, atrophy, hypertrophy redness</li> <li>Examples:         <ul> <li>Bulging of the biceps over the lower half of the humerus can be associated with rupture of the biceps tendon</li> <li>Winged Scapula: muscular or long thoracic nerve dysfunction.</li> </ul> </li> </ul>	



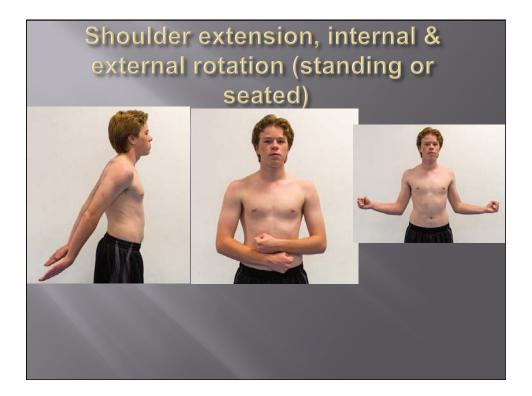






### Shoulder Flexion – 180 degrees Anterior and lateral views

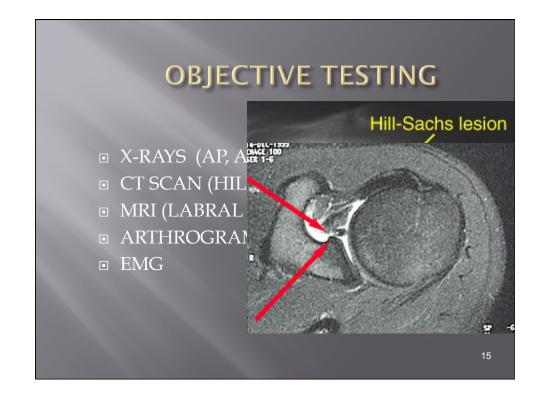




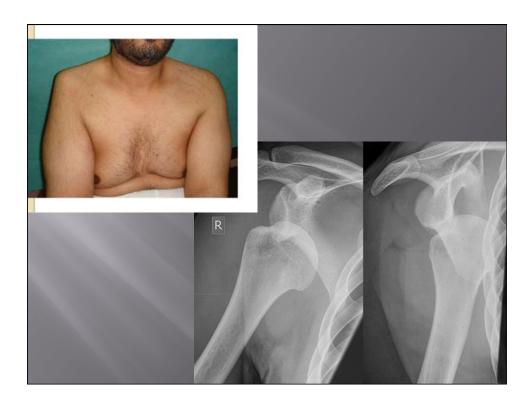
### SHOULDER INSTABILITY

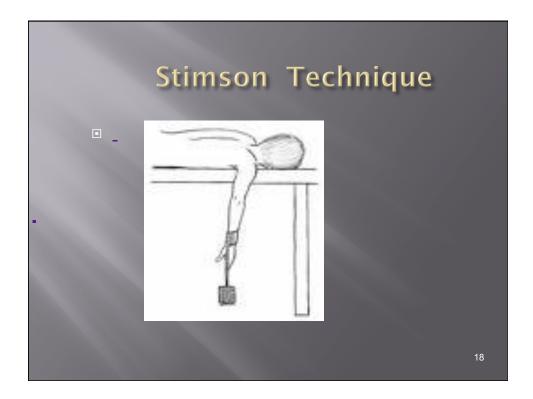
- TYPICALLY TRAUMATIC
- PAIN
- PAINFUL ROM
- WEAKNESS
- GUARDING

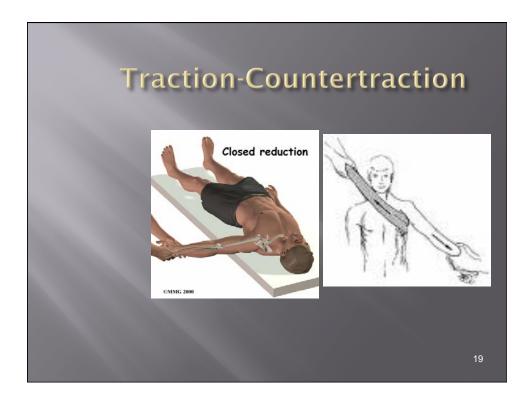
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### Natural History of Anterior Dislocation

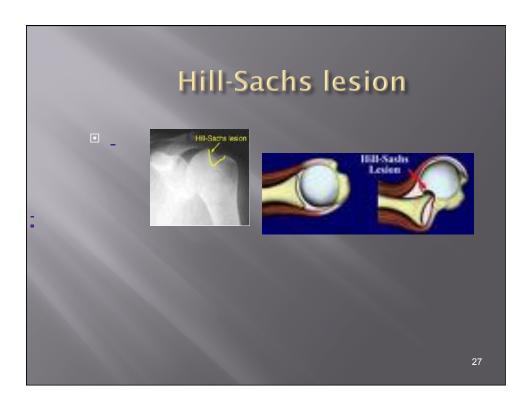
- Up to 100% re-dislocation rate in adolescents with an open growth plate at time of initial dislocation
- □ 55-95% re-dislocation in 18-30 year olds
- >40 yr olds re-dislocation <10%
- □ Increased risk of RCT in those over 40.

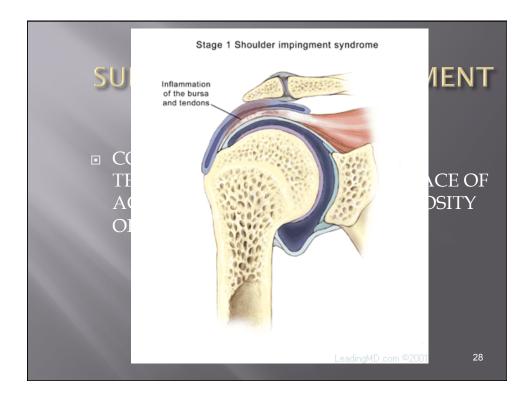
### Complications of Gleno-humeral Dislocations

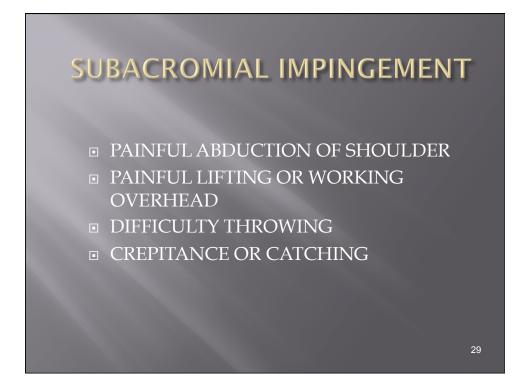
- Recurrent dislocations
- Torn glenoid labrum
- Hill-sachs lesions
- Axillary nerve injury





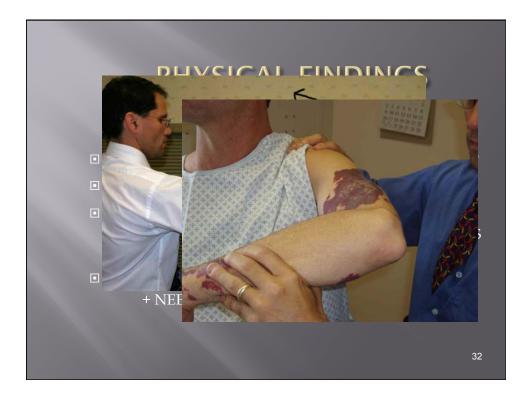




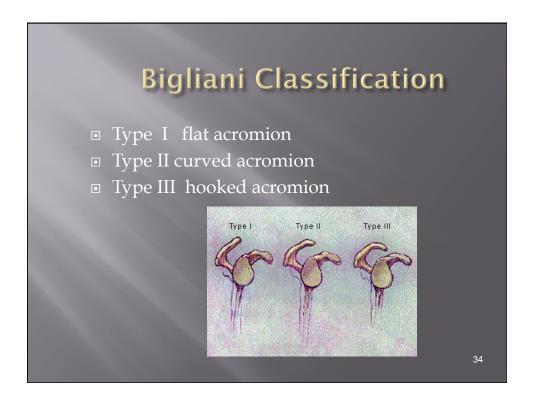




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### TREATMENT

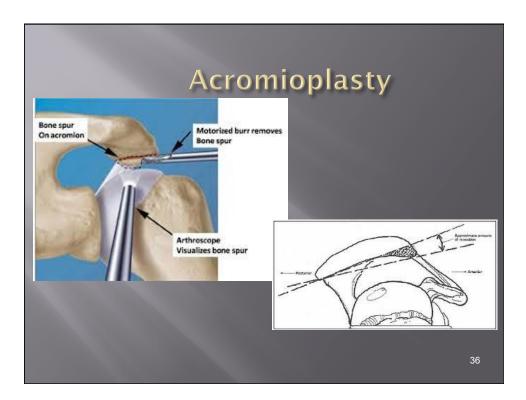
### Medication

• Oral, subacromial steroid injection, iontophoresis

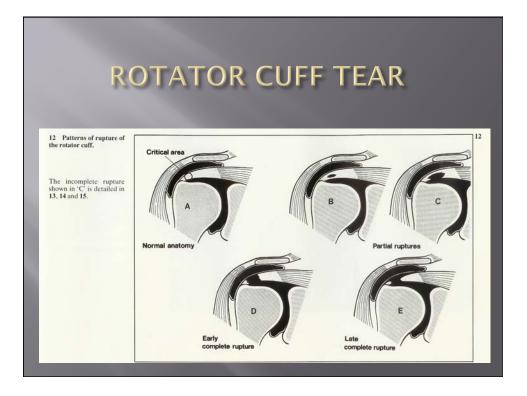
- Modification of activity
- Physical therapy
- OMM / Spencer Technique

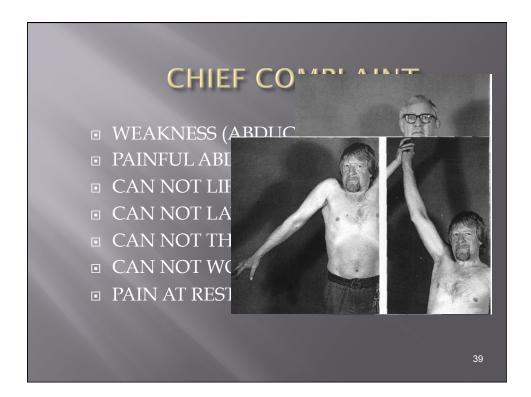
### Surgery

- Acromioplasty
- Mumford
- Arthroscopic decompression

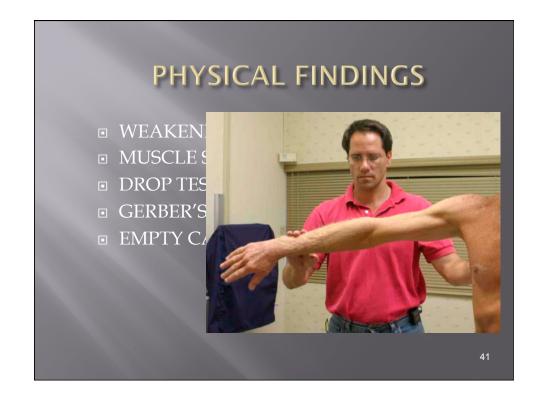


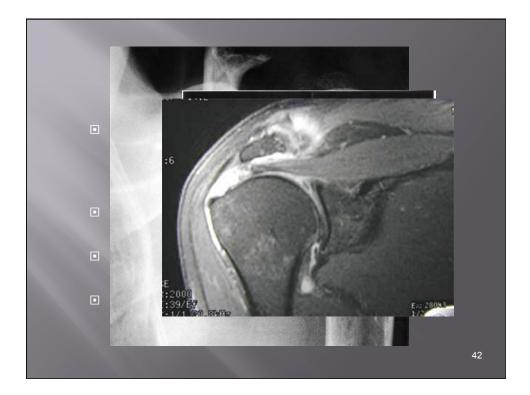


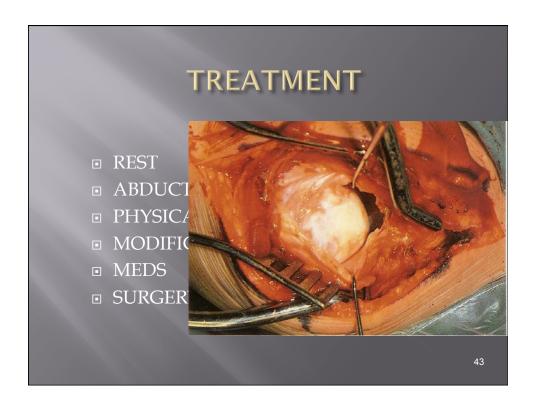




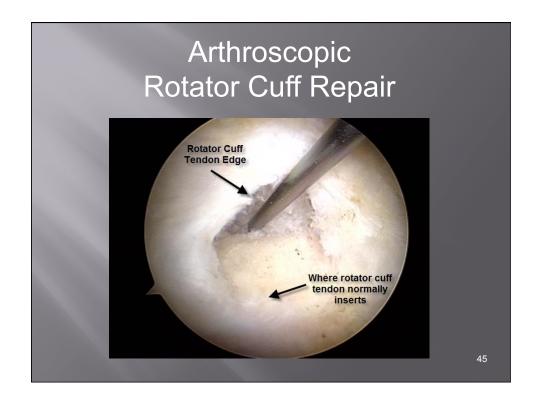














# Calcific Tendinitis

Very painful, often sudden onset shoulder pain, inflammation assoc. w/ calcific deposit in rotator cuff tendon.

Multifactorial / cause is controversial





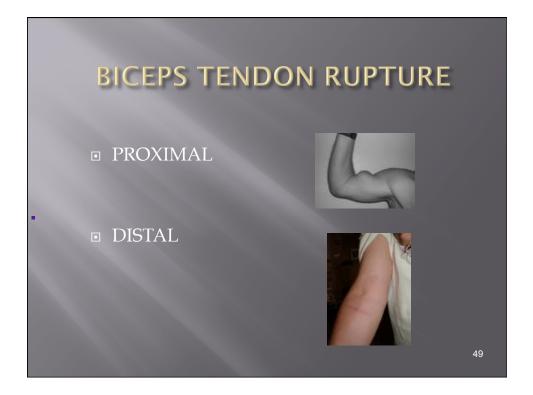
# Calcific Tendinitis

Treatment options:

### -NSAIDS,

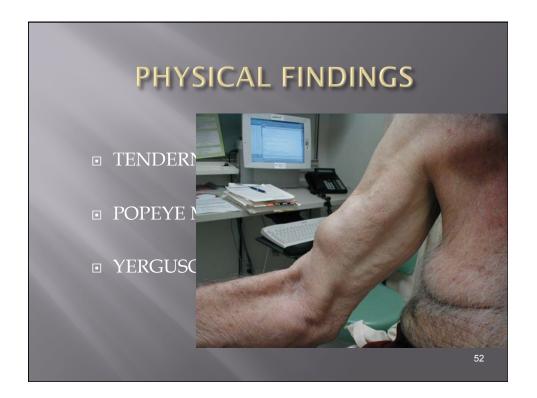
- -PT / modalities / iontophoresis
- -Needling
- -Cortisone injections
- -Open or arthroscopic excision

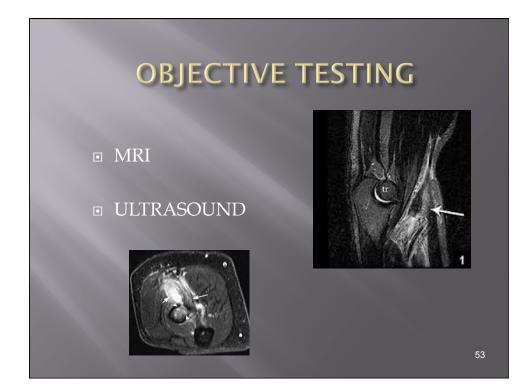


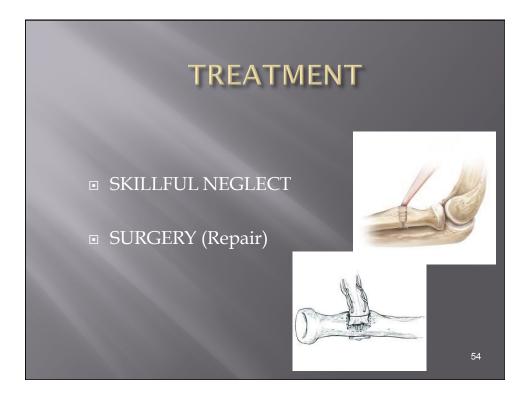


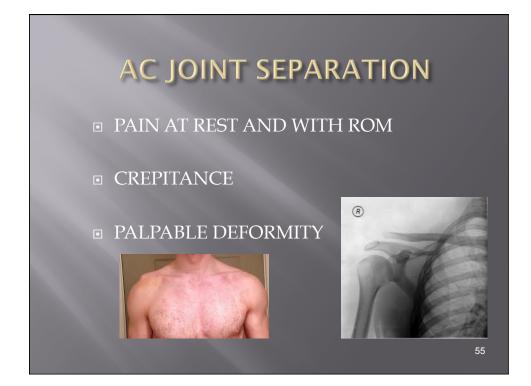


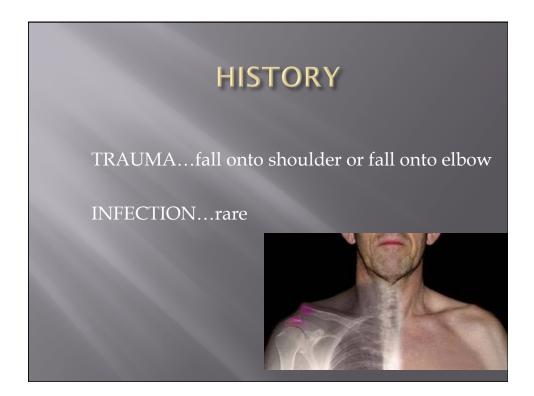


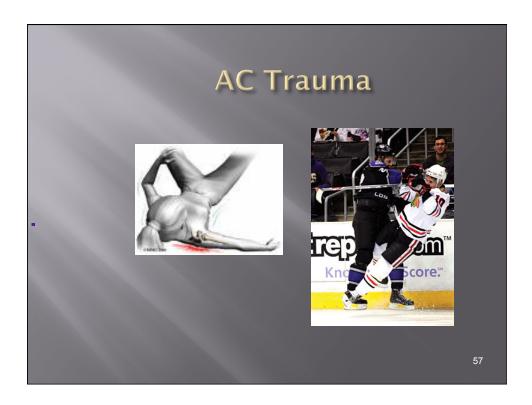


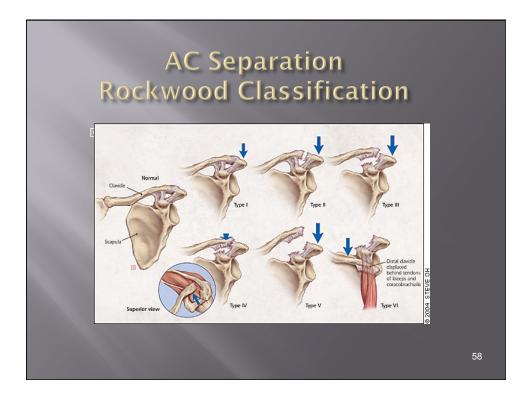




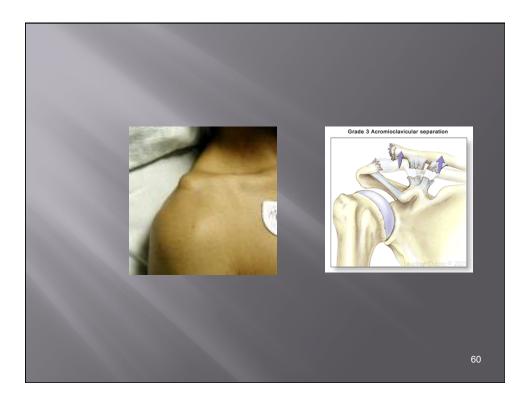








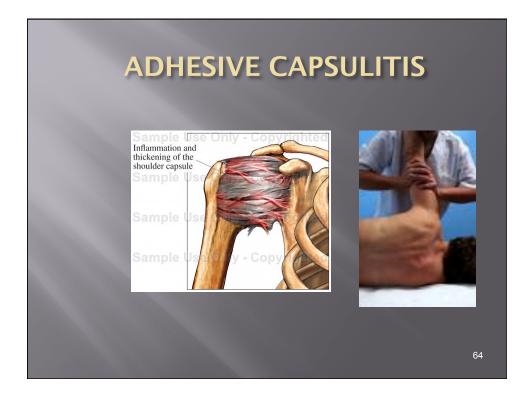
















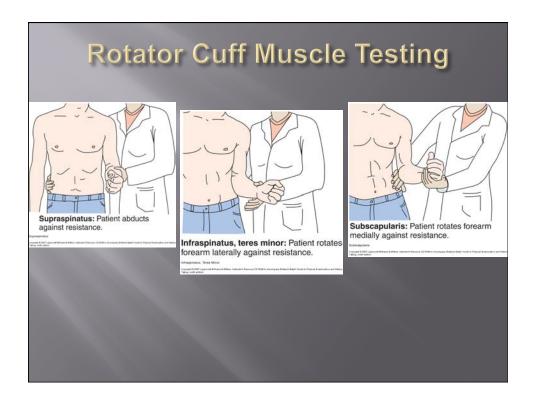
### **Cross-body test**

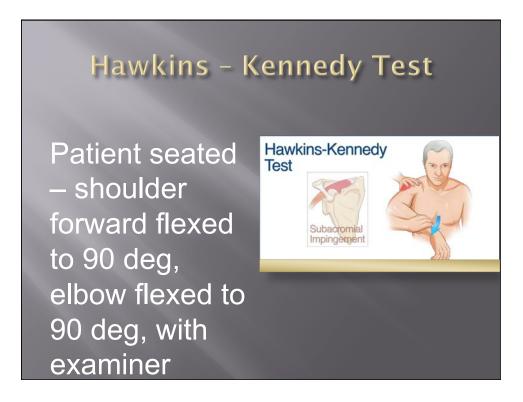
Cross arm over the front of the chest

 Pain with adduction: inflammation or arthrosis of the acromioclavicular joint







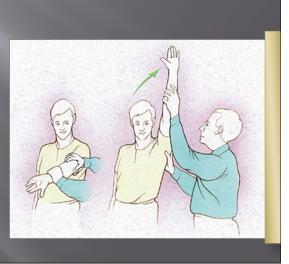


# Neer Test

Arm at patient's side, passively forward flexed by examiner while in maximal internal rotation with the elbow straight.

### Pain:

ubacromial impingement

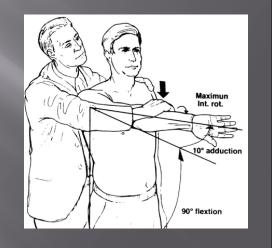


### O'brien's Test

Shoulder actively forward flexed to 90 deg, arm straight at elbow and adducted across mid-line,(10 deg), internally rotated w/ thumb down. Physician actively pushes arm down into extension while patient resists. Repeated with thumb up. Pain with thumb down, relieved with thumb up =

Positive for:

SLAP Lesion (or AC joint arthrosis)



# Yergosan's Test

Patient seated, arm at side with rotation). Patient actively supinates against examiner's resistance, while examiner applies gentle ER through shoulder, while examiner palpates in bicipital groove.

Pain with tendon subluxation: -biceps instability / disruption

Pain without subluxation: -biceps tendinosis -SLAP

**NOTE:** Many variations described



# Speed's Test

Patient holds arm supinated, 20 deg of elbow flexion, with through 90 deg. – Examiner resists flexion, pushing arm down into extension. Pain at anterior shoulder / bicipital

- Biceps tendinosis / partial tear SLAP



# **Apprehension & Relocation Tests**

Patient seated or supine, shoulder passively abducted to 90 deg, with passive ER through/ past 90 deg. Patient apprehension ("my shoulder is going to pop out") = positive for anterior instability.

Next, test is repeated while examiner applies an anterior (stabilizing) force through proximal brachium. Apprehension is reduced = confirms anterior instability.

### Positive:

-Bankart / anterior instability





### **Contact Information**

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