

Shoulder pain

Disclaimer: Read the disclaimer at medmaps.co.uk/disclaimer
References: 1. Mr Michael Kurur orthopaedic consultant, BMI Healthcare, Youtube. 2. Mr Mark Proctor, orthopaedic consultant, BMI Healthcare, Youtube. 3. Shoulder pain lecture, PULSE conference Oct 2024

ACJ issue: = usually degenerative changes, localised tenderness at ACJ, cross arm test, high arm pain as you squash the joint.

Management: Spontaneous: Physiotherapy, Topical NSAIDs (as so superficial), Steroid injection, Rarely perform arthroscopic excision. Difficult to get needle into the actual joint so consider referring to an expert or USS guided.

Investigations: Scarf test, High painful arc, Forced adduction in extension, X-ray.

Symptoms: Pain at ACJ, Can be spontaneous or traumatic, Common if weight training, Distal Clavicle Osteolysis, Often incidental xray finding, Normal from > 40y.

Acromioclavicular/ sternoclavicular joint arthritis

MRI indications: Pain of unknown origin, Sizing of rotator cuff tears to determine if repairable, Trauma with normal x-ray (or USS), First time dislocate.

USS useful reports: No tear, Full thickness tear, Normal or ruptured biceps tendon, Significant focal deposit of calcium.

USS useless reports: Partial thickness tear (everyone > 40 y has this), Impingement, ACJ arthritis (everyone > 40 y has this), Degenerative changes, Calcinosi (everyone > 40 y has this).

Winging of scapula: Long thoracic nerve palsy, Other causes ???

NECK Vs SHOULDER: Pain in neck, scapula and arm, Constant, Down to hand, Neurological symptoms, Not worse lying on shoulder.

Cervical pathology: Pain in neck, scapula and arm, Worse with activity, Usually no tingling, Worse lying on it at night. Shoulder pain may be coming from the neck pathology i.e. cervical nerve root compression. Arm squeeze test, MRI. Management: Analgesia, Reassurance.



16y = 85% recurrence rate after 1st dislocation, 21y = 69% recurrence rate after 1st dislocation, 30y = 40% recurrence rate after 1st dislocation.

Dislocation: Apprehension test, Gentlely move the arm behind the bent elbow, If cant tolerate and feel shoulder about to dislocate = +ve. Management: Physiotherapy for most, Avoid positions that can cause dislocation, Live with it, if serious sportsperson, Keyhole repair of torn soft tissue structures.

Long head biceps tendon rupture: Pop-eye sign. Management: If cuff intact, reassurance, Nil else needed, Appearance doesn't count as criteria for surgery, regardless of how it looks in the gym.

If joint issue then all movements will be reduced i.e. both active and passive. If only active movements reduced = rotator cuff issue, the ball and socket is fine.

Ball and socket: arthritis in older i.e. > 60y, OR capsule thick, scarred, inflamed and ball and socket underneath is ok = frozen shoulder 40-65y, reduced passive external rotation.

Management: Conservative, If fails refer ortho. Investigations: X-ray AP and axillary lateral. Symptoms: Pain in axilla or anterior, Reduced ext. rotation, Unlikely if < 40y, Gradual onset.

Glenohumeral arthritis

Management: Analgesia, Physiotherapy, Steroid injection (subacromial), Surgical removal. Investigations: X-ray. Symptoms: Sudden onset, Very painful, Unknown cause.

Acute calcific tendonitis

Management: NSAIDs, Physiotherapy, Steroid injection (subacromial), Surgical decompression of impingement, Do USS if < 65y to ensure don't miss full thickness rotator cuff rupture. Investigations: Neer's test, Hawkins test, Jobe's empty can test, Pain radiating down to thumb, Painful arc 60-120o but can be variable, Weakness if associated cuff tear, > 40y, Gradual onset.

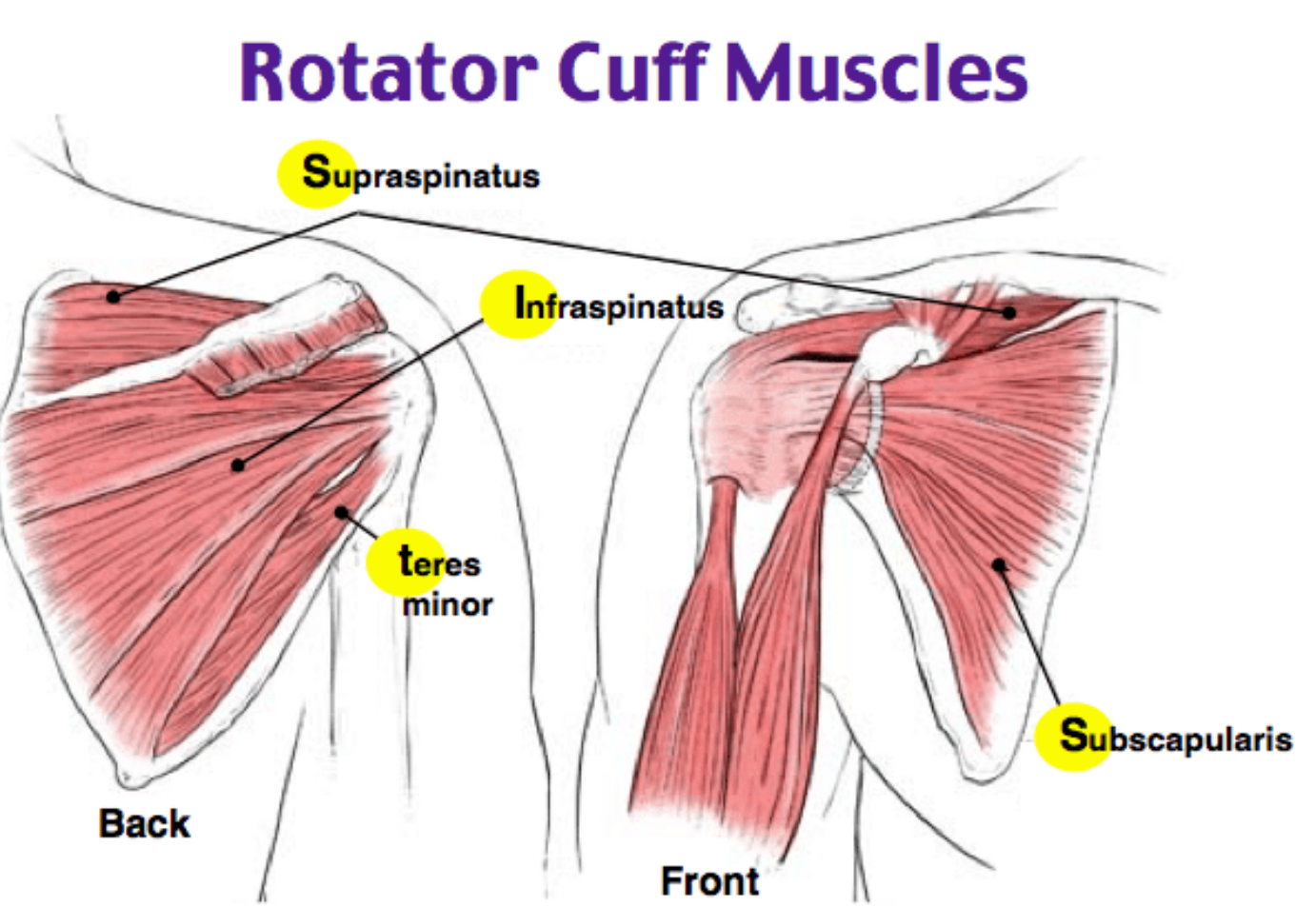
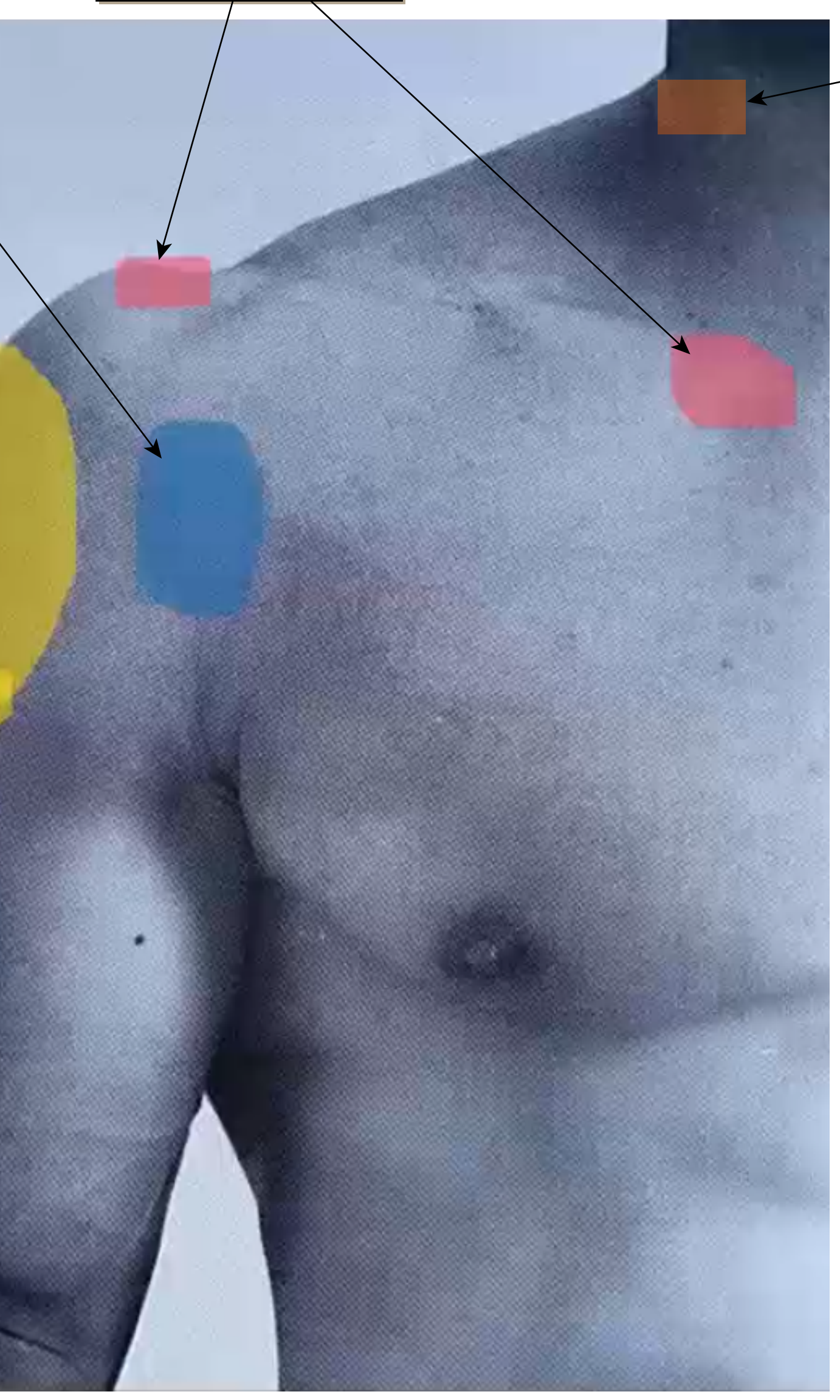
Management: Analgesia, Steroid injection (subacromial), Physiotherapy for 6/12, Refer to surgeon. Investigations: USS. Symptoms: Only one inj, although one consultant said can do max two, Repeated inj, cause tendon damage.

Management: Non-surgical, Surgical. Investigations: Clinical Dx, Coracoid pain test, USS, MRI. Symptoms: Burns itself out after 1.5-3 yrs, Oral analgesia, Steroid injection into gleno-humeral joint during the painful phase, Most pt's get used to ROM as long as pain is, Then send for physio.

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- S Supraspinatus (abduction)
I Infraspinatus (external rotation)
t teres minor (external rotation)
S Subscapularis (internal rotation)

Rotator cuff: Either impingement which catches them with pain, painful arc 60-120 degrees, less space for the tendon hence pain. OR rotator cuff tear. Passive movements ok but active movements are reduced. The joint is healthy if you can move it passively so its possibly rotator cuff impingement or tear. Refer if > 6 months. Acute rotator cuff tear = refer urgently of chronic tear, much improved healing.

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Fig. 1 The coracoid pain test is considered positive when the digital pressure on the coracoid area (black arrow, b) evokes a more intensive pain with respect to other shoulder area (a)