Shoulder Injection Posterior Approach

Before the Procedure

1. Comprehensive Shoulder Exam

- a. Assess intra vs extra-articular fluid collections
- b. Assess the skin over insertion site
- c. Assessing for an acceptable target.
 - i. Palpate the infero-posterior aspect of the acromion with the thumb. Place the index finger on the coracoid process.

2. Indications

- a. Symptom control with steroid injection
- b. Localized pain persists weeks after trial of NSAIDs
- c. Risks of NSAIDs outweighs risk of local corticosteroids.

3. Contraindications

- a. Cellulitis or broken skin over entry site
- b. Uncontrolled Anticoagulant/Diabetes
- c. Severe primary coagulopathy
- d. Infected effusion, bursa, or peri-articular structure
- e. Do not perform <u>injection</u> on suspected septic arthropathy
- f. Allergies to injected meds
- g. Do not inject shoulders s/p arthroplasty refer to ortho
- h. ≥3 previous injection in preceding 12 month period

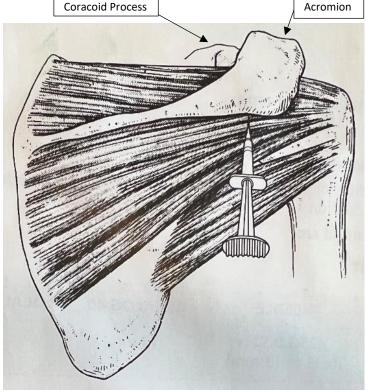
4. Obtain Verbal or Written Informed Consent

a. Risks, benefits, alternatives.

5. Equipment

- i. Non-sterile gloves
- ii. Povidone-iodine swab
- iii. Alcohol prep pad
- iv. Band-Aid
- v. 2 ml 1% Lidocaine without epi vial Multi-use
- vi. 40 mg or 1 ml Kenalog (40mg/ml)
- vii. 3 ml syringe
- viii. 22 gauge, 1.5" needle
- ix. Band-Aid





During The Procedure

- **1.** "Time-out" protocol to verify patient, side, and site of injection.
- 2. Attending present during the procedure.
- 3. Prepare Equipment
 - a. Put your gloves on
 - b. Draw up 2 ml Lidocaine, then 1ml Kenalog. SHAKE WELL
 - c. Bandage opened and ready
- 4. Patient Positioning
 - a. Patient sitting upright
 - b. Arm internally rotated across the waist.
- **5. Marking entry site** with marker or pen cap.
 - a. Palpate the infero-posterior aspect of the acromion with the thumb. Place the index finger on the coracoid process.
- 6. Prep The Shoulder

- i. With Povidone-iodine stick –use circular motions from target outward.
- ii. Repeat process with alcohol pad

7. Posterior Approach

- i. Tell the patient when you will begin
- ii. Advance needle from the point of entry just below the acromion and aim toward the coracoid. Insert 2-3 cm deep.
 - 1. You don't need to "hub" the needle
- iii. Go slow so not to hit bone/cartilage.
- iv. May feel "pop" of entering joint space
- v. Aspirate to verify you are not in a blood vessel
- vi. Inject medication in bolus if difficult, stop and confirm position
 - 1. May need to advance a little further
 - 2. If on bone, pull back slowly.
- vii. Remove needle and place bandage.

After the Procedure

- 1. Aftercare Instructions for Patient
 - a. Injections: Wrap up -> Patient instructions: Corticosteroid Joint Injection
 - i. .IMCINJECTIONPTINSTRUCTIONS
- 2. Place Order in EPIC
 - a. Wrap up→Charge Capture: PR arthrocentesis aspir&inj major jt/bursa w/o US (aka injection)
 - i. PR 20610
- 3. Document Procedure in EPIC
 - a. .IMCINJECTION



Scan QR code with smart phone camera to access McMaster procedural video on shoulder injection.

Sources:

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