ARTHROSCOPIC LATARJET: CAPSULE PRESERVING TECHNIQUE

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DISCLOSURES

- Royalties/Stock: none
- Boards: Arthroscopy Journal BOT; OLC-Chicago, J Wrist Surgery , AANA-EF
- Consultant: Smith & Nephew, Mitek, Rotation Medical, Exactech

EVALUATION

Bernageau view

CT scan

ARTHROSCOPIC ASSISTED TECHNIQUE

- Beach chair or lateral decubitus rolled back about 45°
- Harvest coracoid open and split subscapularis open to see capsule
- Switch to arthroscopy for intra-articular viewing
- Allows capsule repair over the graft

OPEN HARVEST OF CORACOID

- **Small incision inferior to coracoid**
- Harvest and attach to holder
- Dilate tunnel through subscapularis muscle belly

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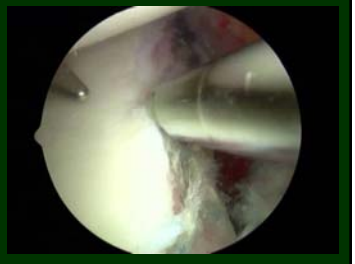
JOINT PREPARATION

- 3 Portals: AS, AI, Posterior
- Release capsule medially and inferiorly: create a large healing bone surface for the graft
- Percutaneous retractor to pull capsule laterally and expose the subscapularis muscle belly

PREPARATION

- Debride anterior glenoid and remove all soft tissue attachments
- Must also remove old sutures and ? anchors



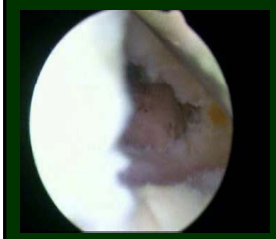
BONE LOSS: PREPARATION

- Must be able to retract the capsule laterally and expose subscapularis muscle belly
- Can use switching stick from posterior or crochet hook from anterior-superior

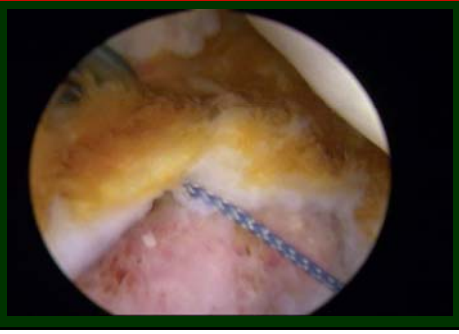
USE CORACOID HOLDER TO PUSH GRAFT INTO JOINT

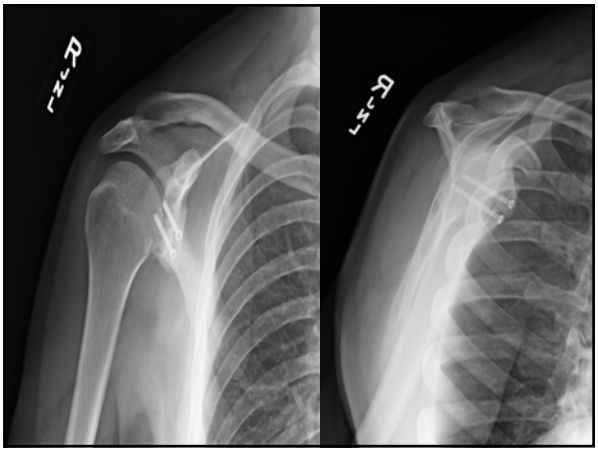
- Start with the open visualization
- Slip graft under laterally retracted capsule
- Arthroscopic observation of graft position

ARTHROSCOPICALLY ASSISTED LATARJET WITH REPAIR OF CAPSULE



REPAIR CAPSULE *OVER* BONE FOR CORACOID or ICBG





TULANE TECHNIQUE: RESULTS

- 24 Patients
- Stability excellent
- Surgical time 64 minutes
- 2 complications: one transient MC neuropathy, 1 screw erosion (technical error: too close to articular surface)

CONCLUSIONS

- Anatomic restoration (Caspari principle) provides excellent results - key is to correct *ALL* pathology - sometimes this means bone restoration
- Combined technique seems useful with current available equipment.

THANK YOU