# My Approach to Open vs. Arthroscopic Rotator Cuff Repair

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#### Arthroscopic Mindset

"Arthroscopic Equivalent"

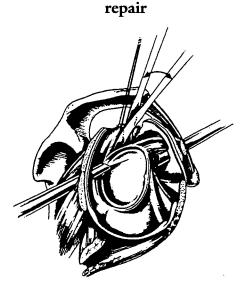
"I can resect(repair) - the meniscus(rorator cuff) - faster by and open incision..."

## Why repair rotator cuff tears?

- 1. Individuals with a successful repair of a complete rotator cuff tear do better than those without a repair.
- 2. Repairs of extensive partial thickness tears are better than non repairs.

# Cuff Repair Steps(Open or Arthroscopic)

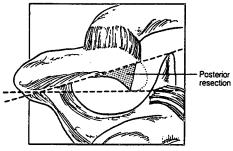
- 1. GH Dx arthroscopy
- 2. Mobilize cuff
- 3. Acromioplasty
- 4. Prepare bone for cuff
- 5. Evaluate cuff tear
- 6. Side-side cuff suture
- 7. Fixation to bone
- 8. Rehabilitation
- GH Diagnostic Arthroscopy
   Do in all cases
   Systematic examination
   Debride cuff, biceps, etc
   Repair SLAP
- Mobilize cuff
   See from artucular side
   Grasp free edge



2. Release the capsule with an elevator while applying traction to the cuff.

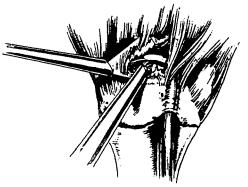
Grasper Suture punch Capsular release "Liberator" elevator Banana blade

- 3. Acromioplasty bursectomy Remove anterior spur Make acromion flat AC resection prn
  - Do it in 10~15 minutes



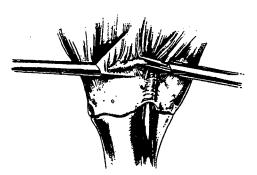
3. Acromioplasty

4. Prepare bone for cuff repair Burr at artucular margin Just the surface



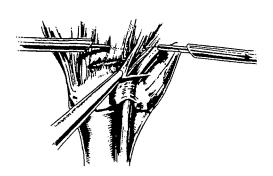
4. Decorticate the bone at the articular margin with a small burr.

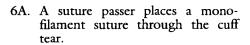
5. Evaluate cuff tear Separate cuff from bursa Size Mobility Shape(V.L...) Decision for repair Arthroscopic "Mini-open"

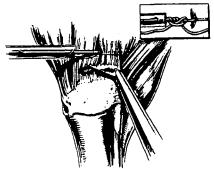


5. Grasp the cuff to evaluate the mobility and ease of repair.

6. Side-side cuff suture
Permanent, Absorbable
Pass suture
Suture needles & shuttles
Suture retrievers and grasping needles
Needs better tools







6B. A silding knit secures the repair.

7. Fixation to bone Drill holes

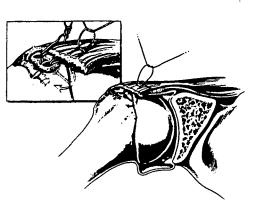
Anchors
Fix to bone

45 degrees to "pull" Pass suture through cuff

Before or after anchor

Tie a knot

Slip or square



7. Secure the cuff to bone with a suture anchor.

#### 8. Rehabilitation

Same as open surgery Use STK(Shoulder Therapy Kit)

#### Difficulties

Tear too big and immobile Can't pass sutures Can't pass anchors Bone too osteoporotic Takes too much time

#### Teamwork

Competent assistant Capable scrub Prepared surgeon

#### Learning

Practice kmots
Visualize procedure
Practice on modeas
Side-side repair is easiest
Less than 1cm is easier
See whole tear at once
Bail out prn

#### Tools

3~4 cannulas
1~2 of 8mm diameter
Suture passers
Suture retrievers
Anchors
Knot tying instruments

## Conclusion

Can do repair open or arthroscopic Side-sise repair is easiest Become sasier with practice Rehabilitation is the same Is the future