

Delaware Orthopaedic Society
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Management of Irreparable Rotator Cuff

Jeffrey S. Abrams, MD
Princeton, New Jersey

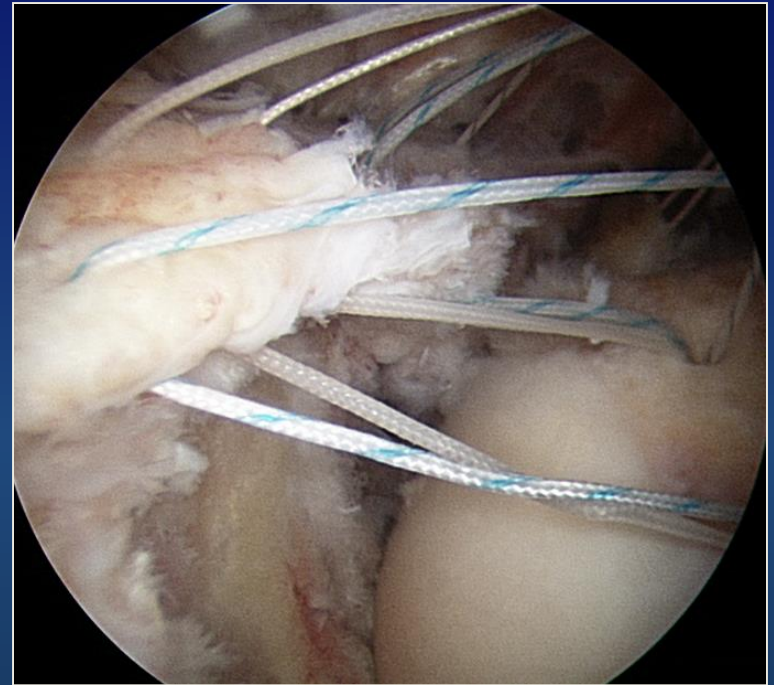
Disclosure

- ConMed Linvatec
- Arthrocare Medical
- Ingen Medical
- Cayenne Medical
- KFx Medical
- Mitek
- Rotation Medical
- SLACK Publications
- Springer Publications

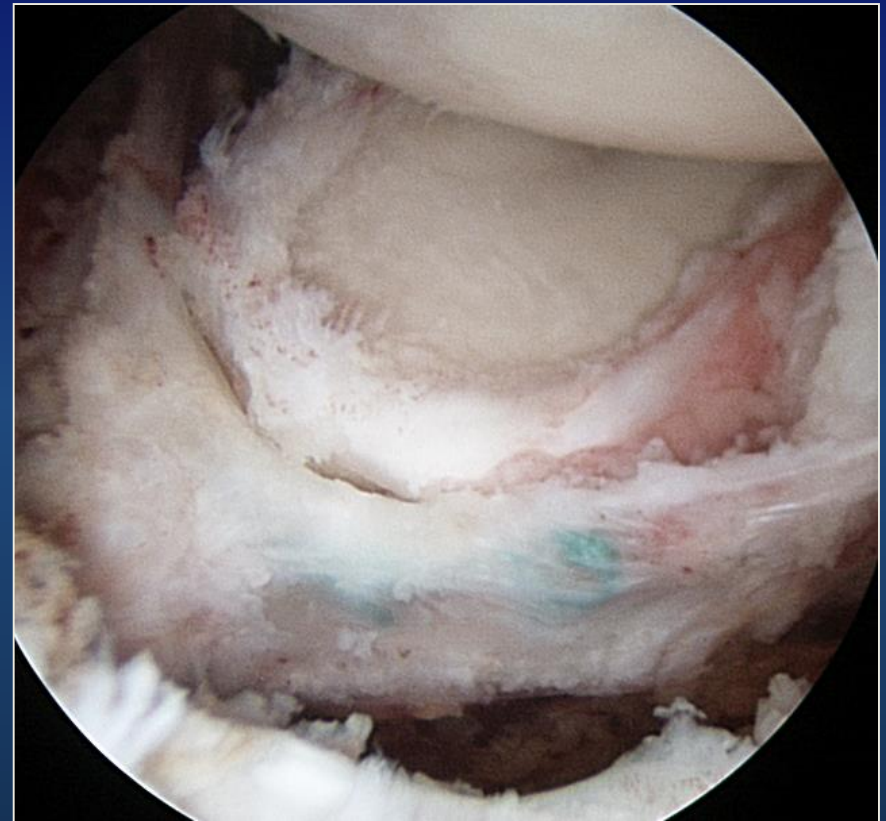
Board Member:
JSES
OREF

Irreparable Tear

- Unable to close defect
- Tissue quality is poor
- Fixed tear retraction
- Superior migration
- Anterior subluxation
- Chronic anterior superior escape

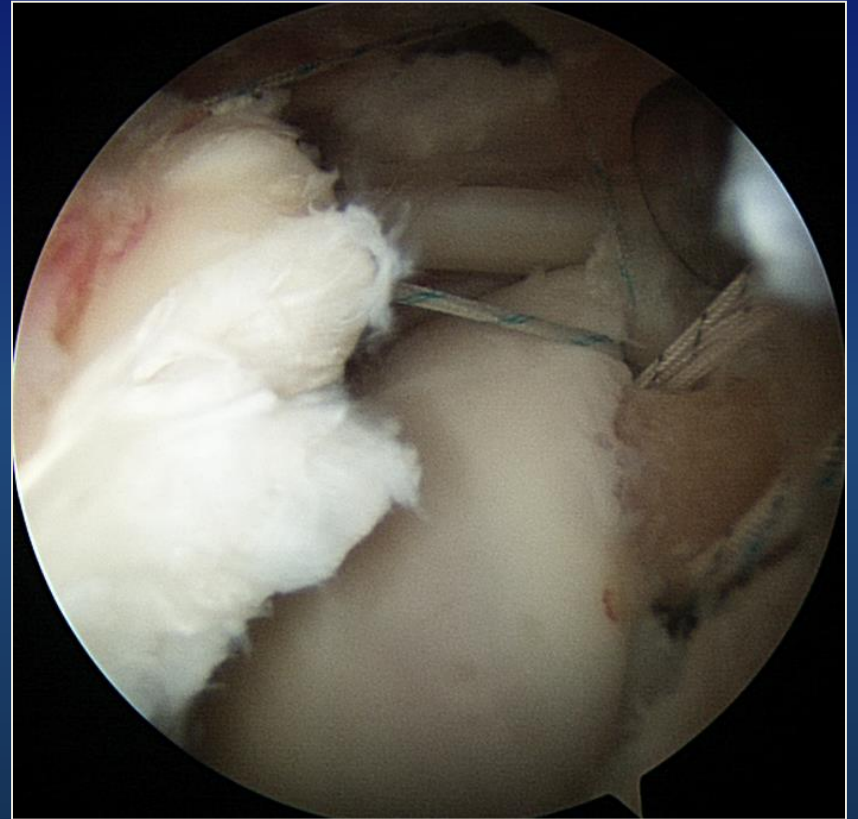
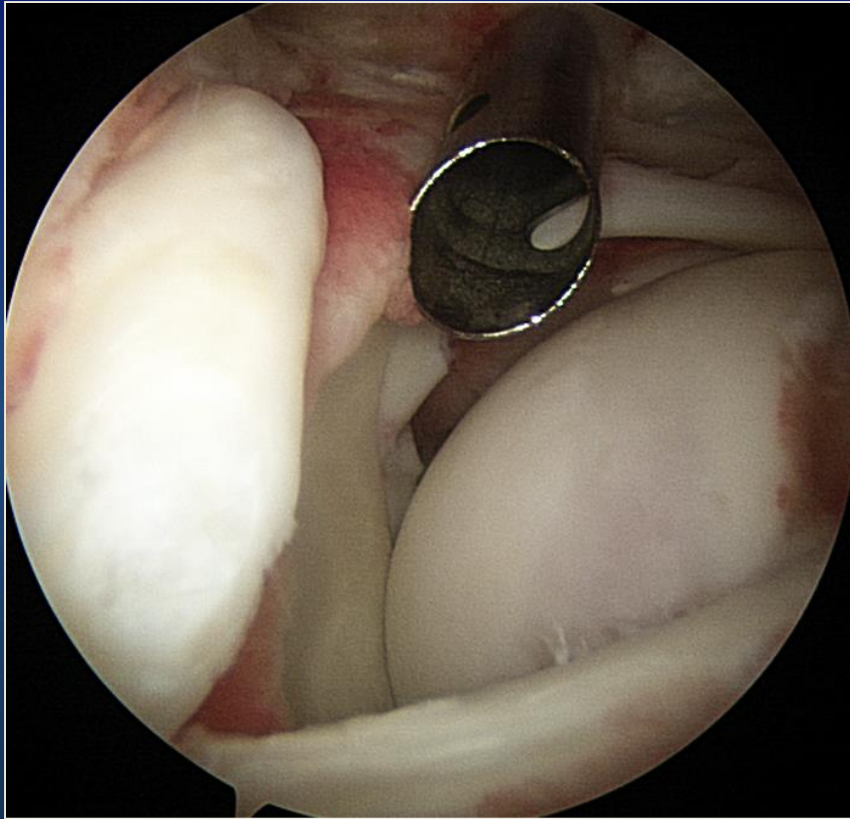


Treatment Options ??



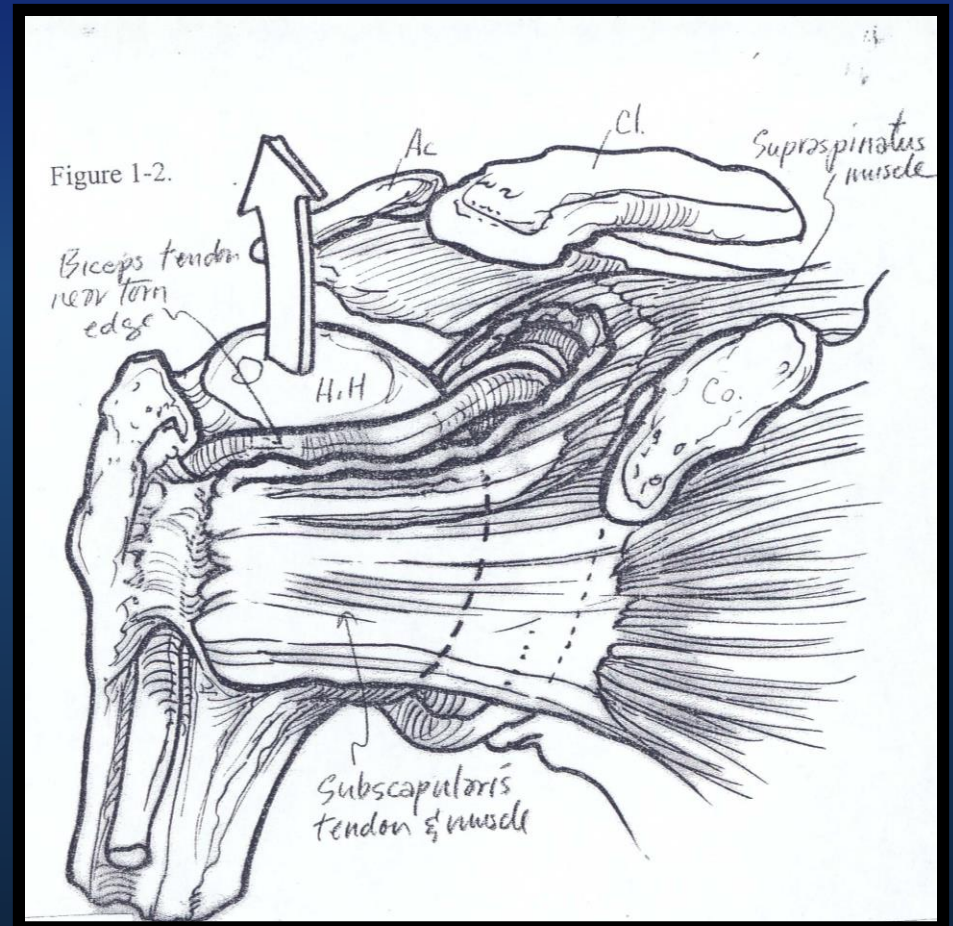
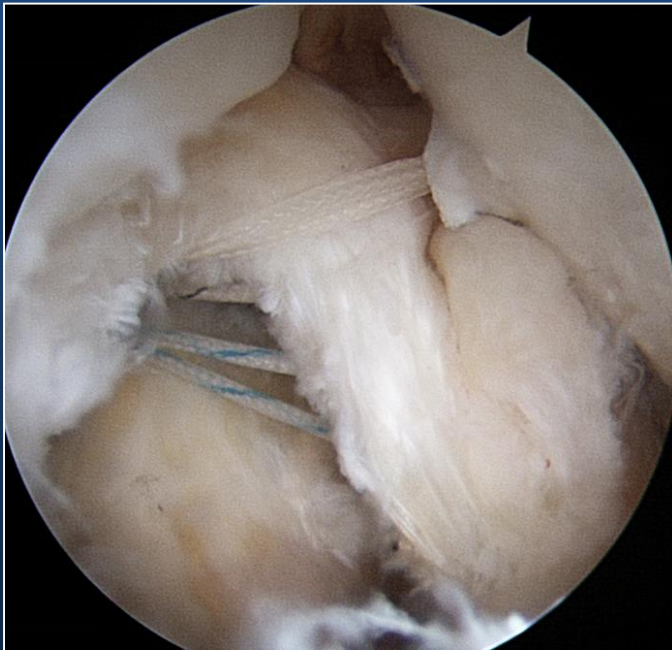
Pain relief, Active elevation, but Rotation ???

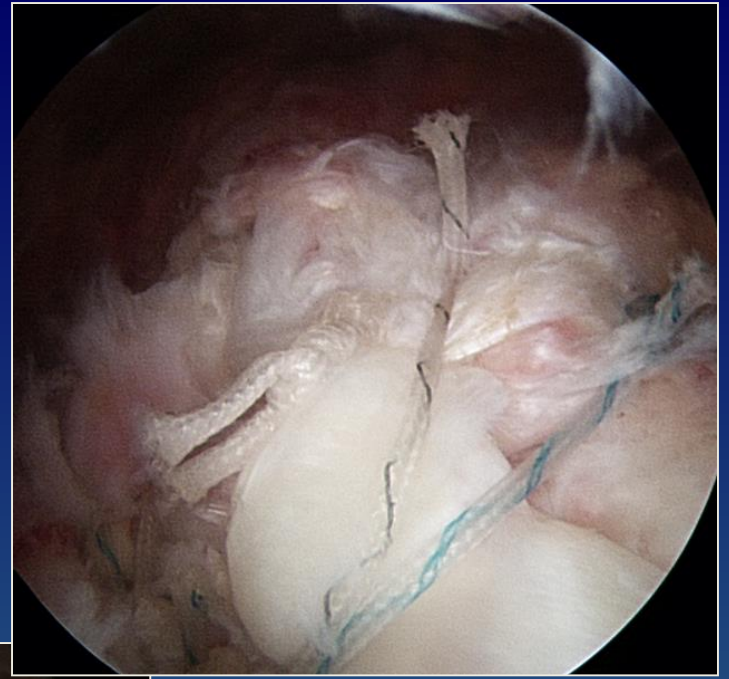
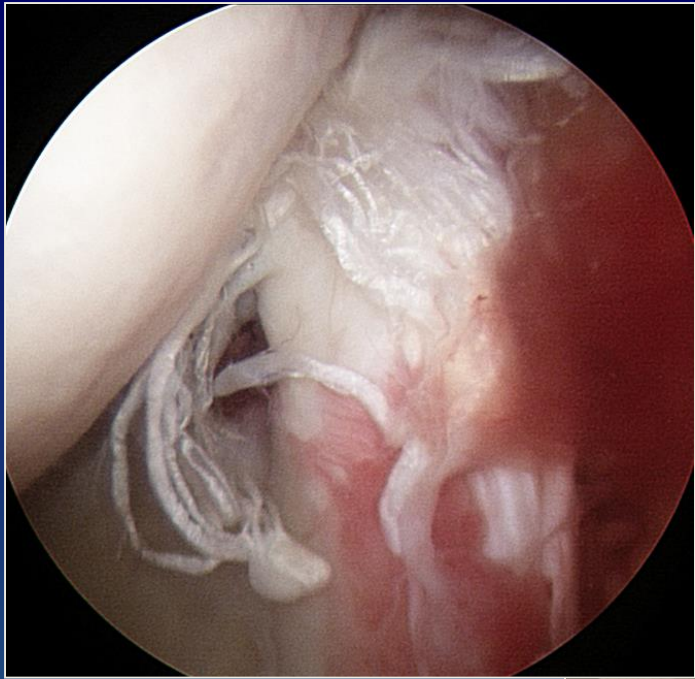
Young Non Arthritic



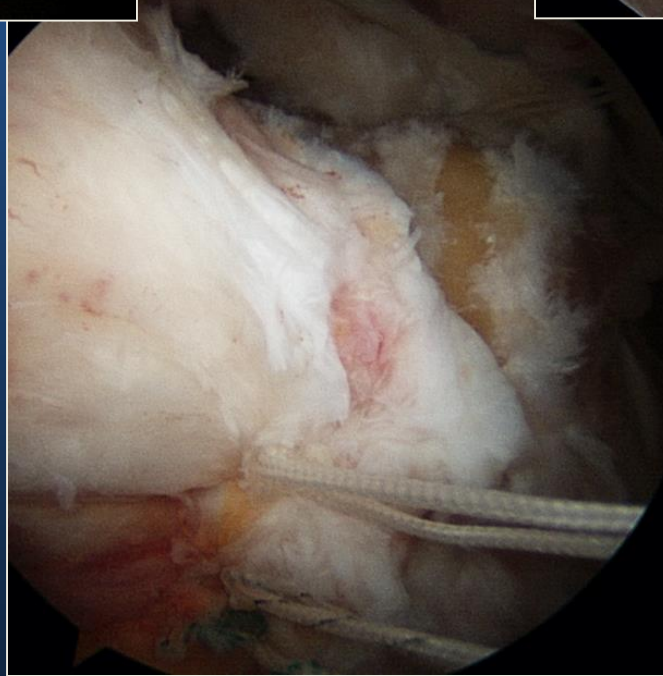
“Massive” Rotator Cuff Tear

- “Boutonniere”
- Moderate Pain
- Rotation weakness





Biceps Grafting



Considerations

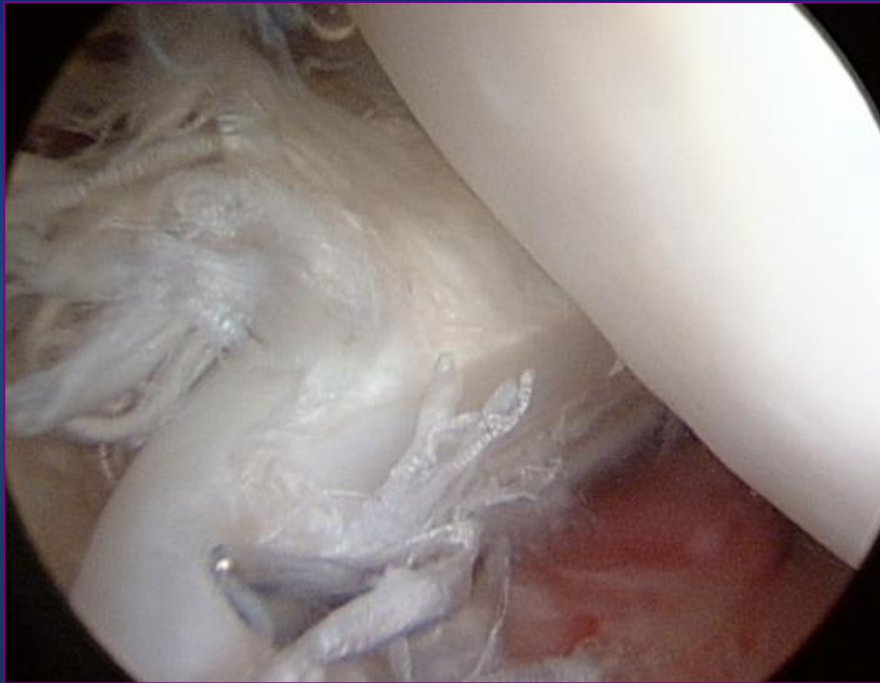
- Age
- Activity demands
- Joint quality
- Active motion
- Limitations
- Goals



ELDERLY, LIVES ALONE

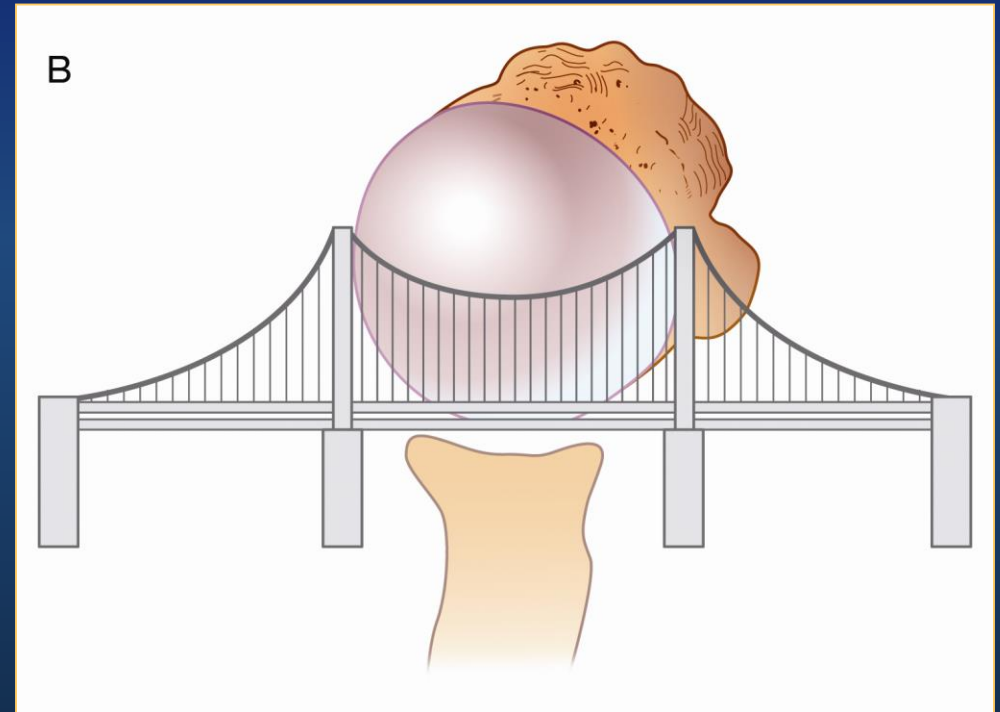
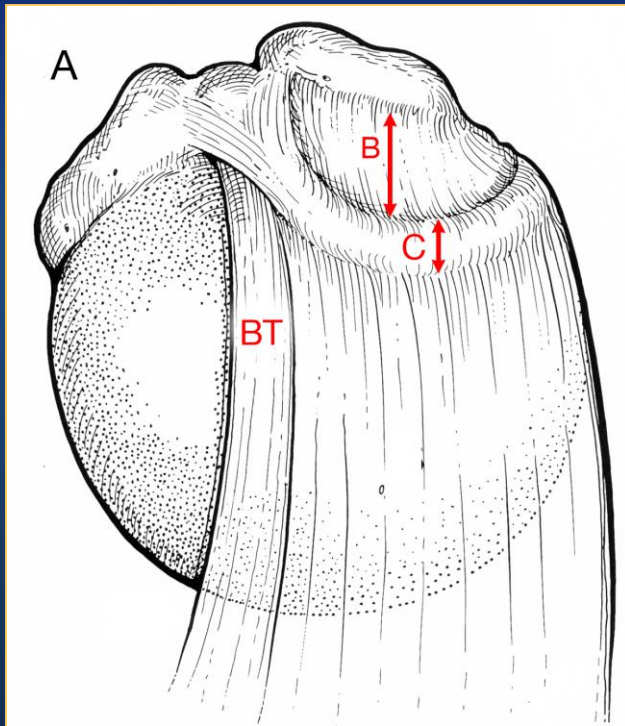


BICEPS SURGERY



Partial Repair

- Suspension bridge



Partial Repair Indications

Painful motion, sleep

Passive motion intact

XRay: No anterosuperior escape

Minimal degenerative joint change

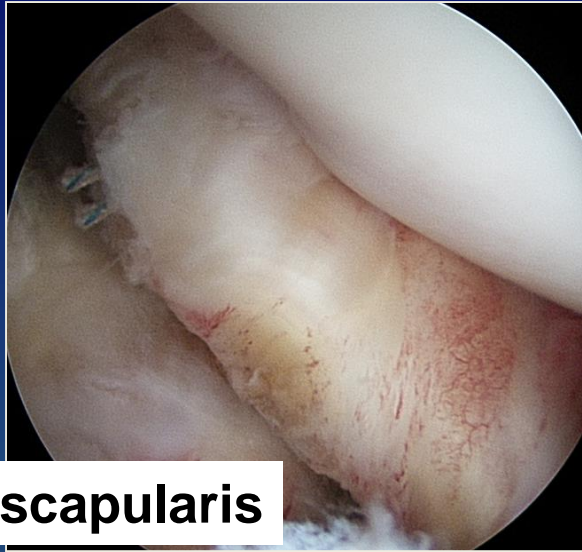
Weakness, but active motion

Able to rehabilitate

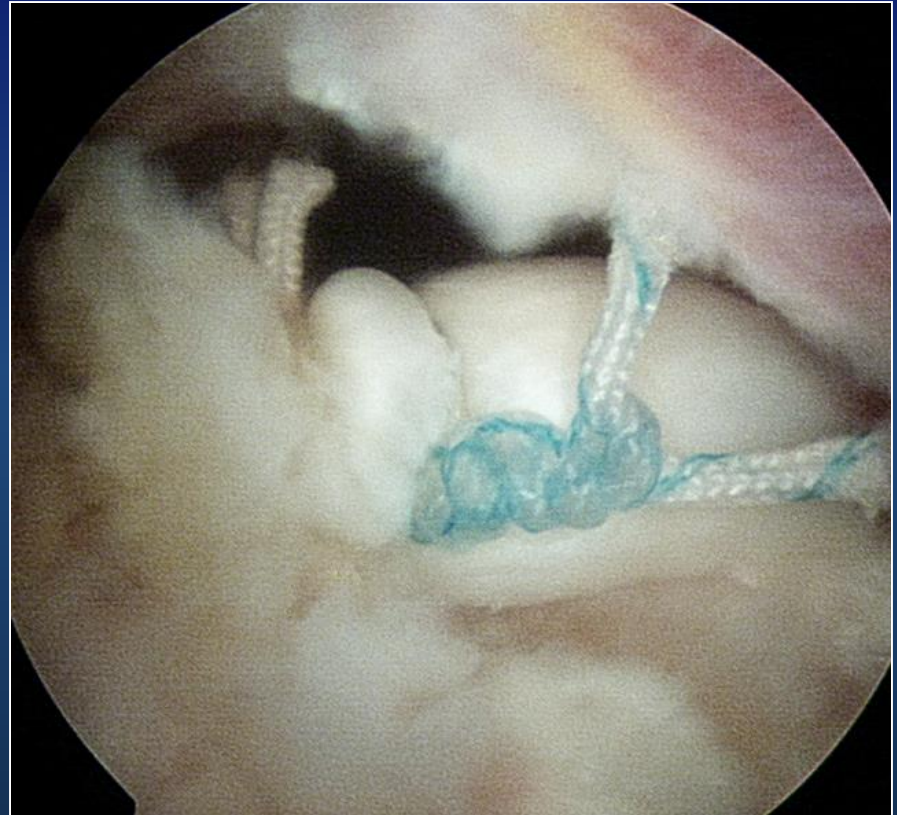
76 years Professor



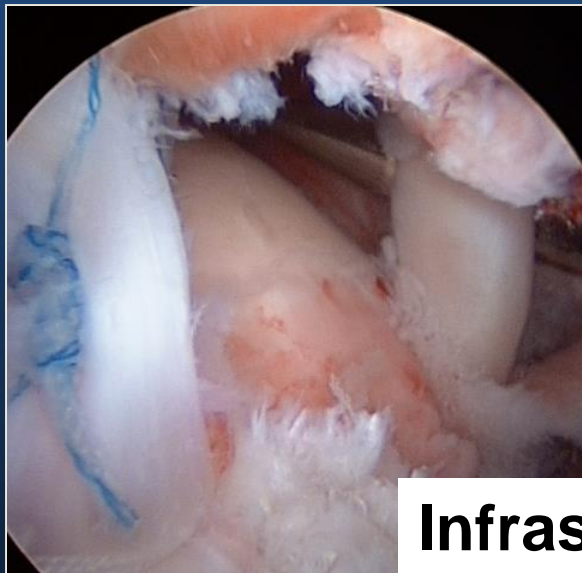
Force Couples



Subscapularis

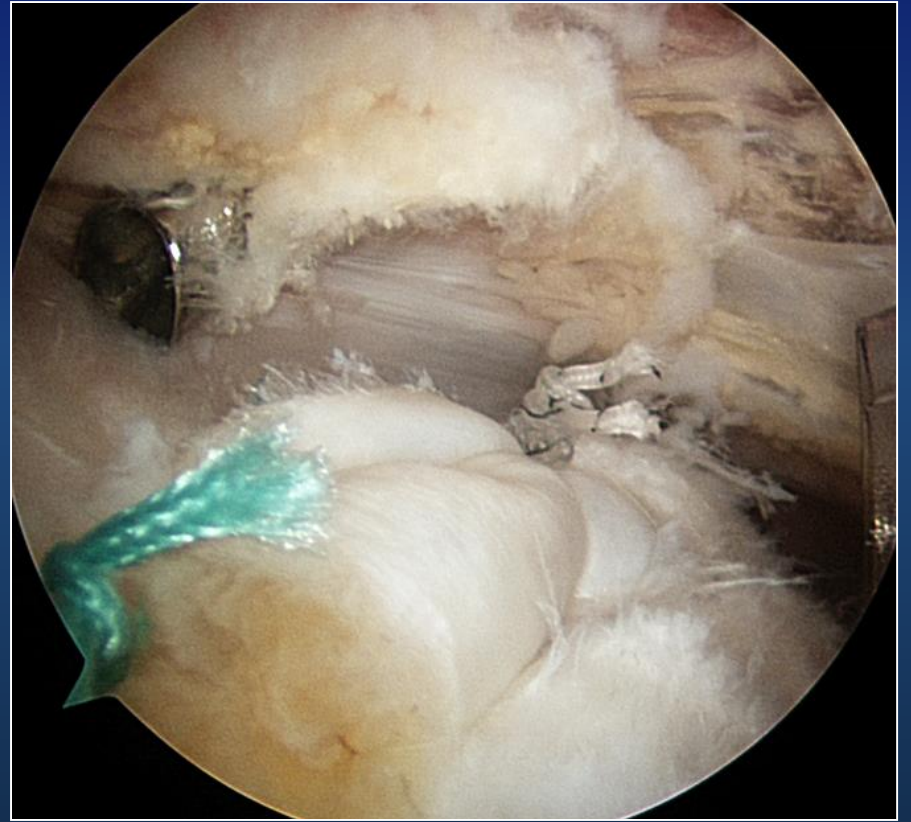
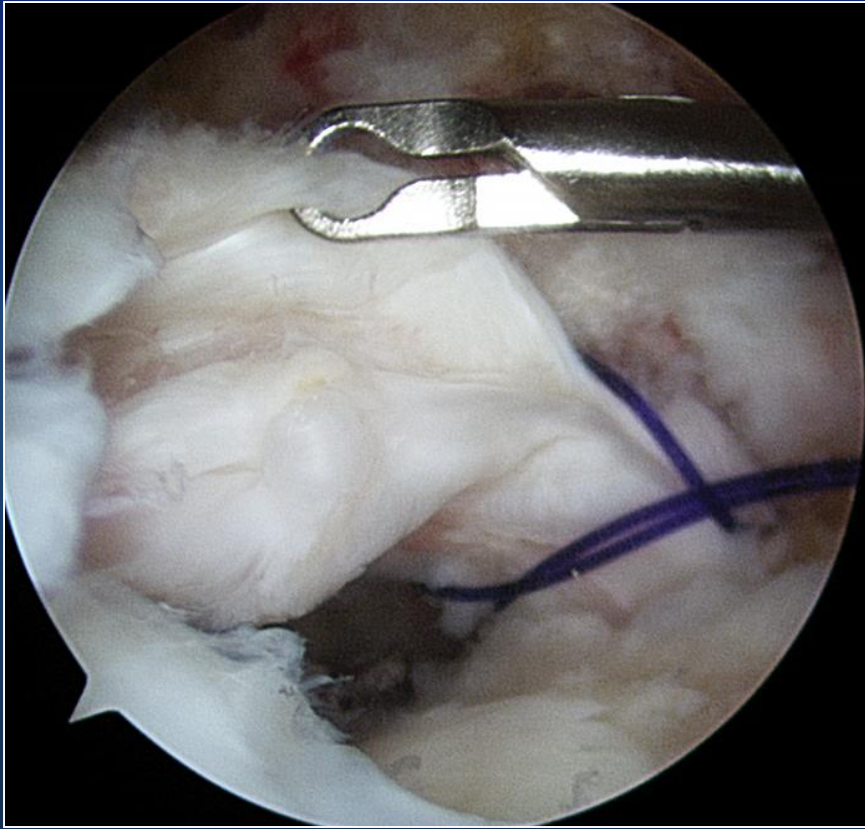


Biceps Bridge

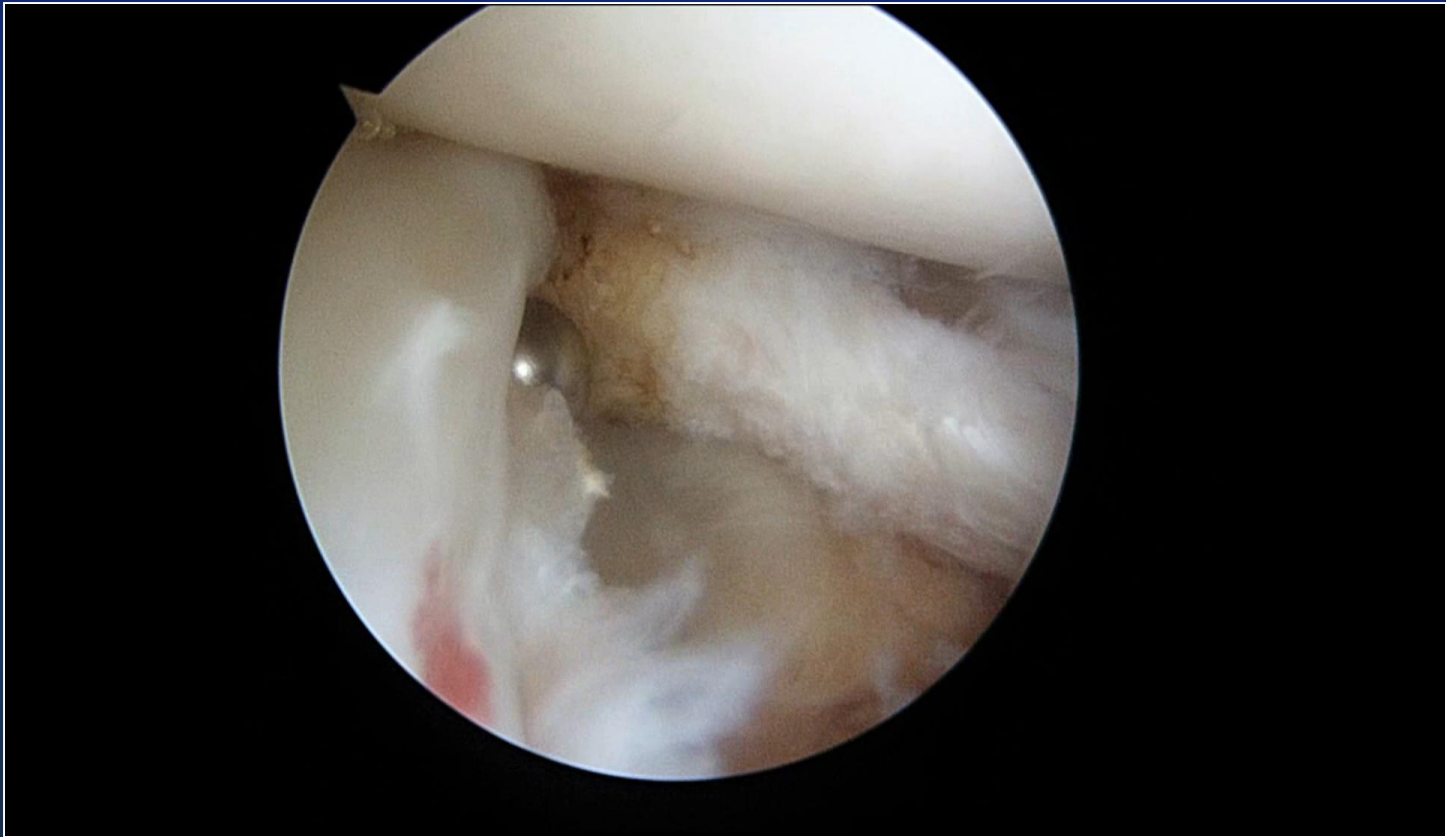


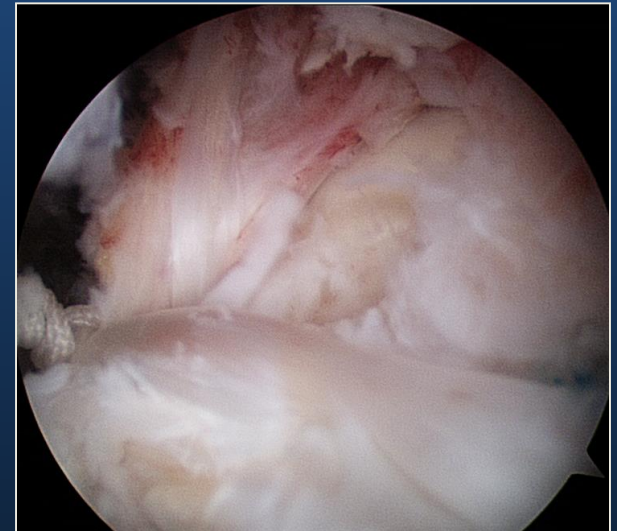
Infraspinatus

Tendon Reinforcement



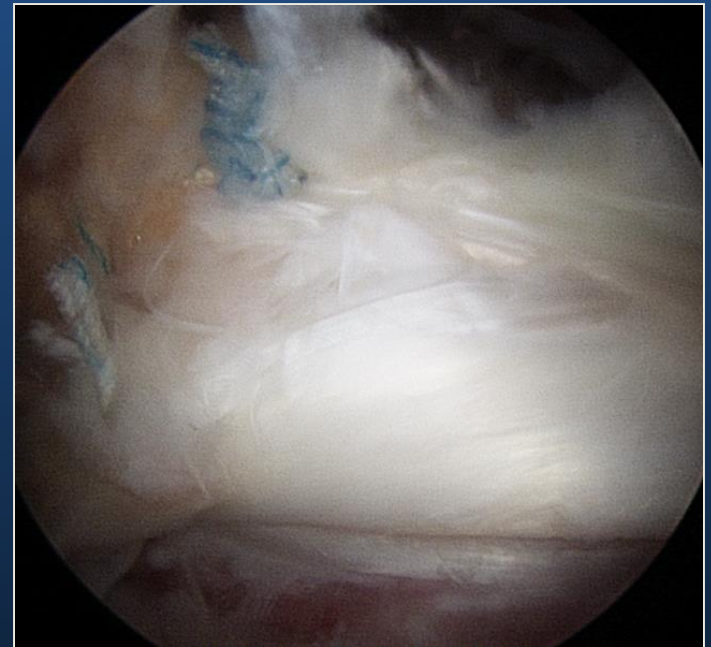
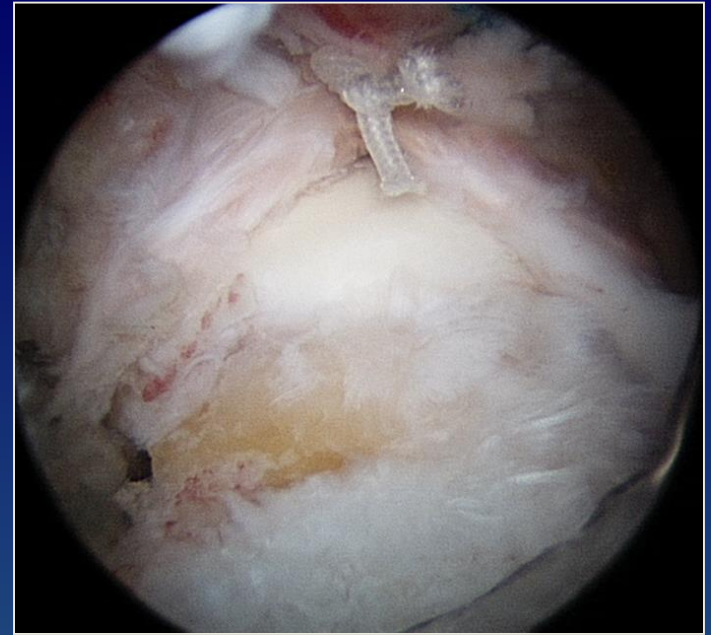
Technique: Tenodesis Cuff Repair





Durability

- Young
 - surveillance
 - ultrasound
- Elderly
 - active elevation
 - recreation
 - DJD



Partial Cuff Repair



REVISION SURGERY

Failed cuff repair

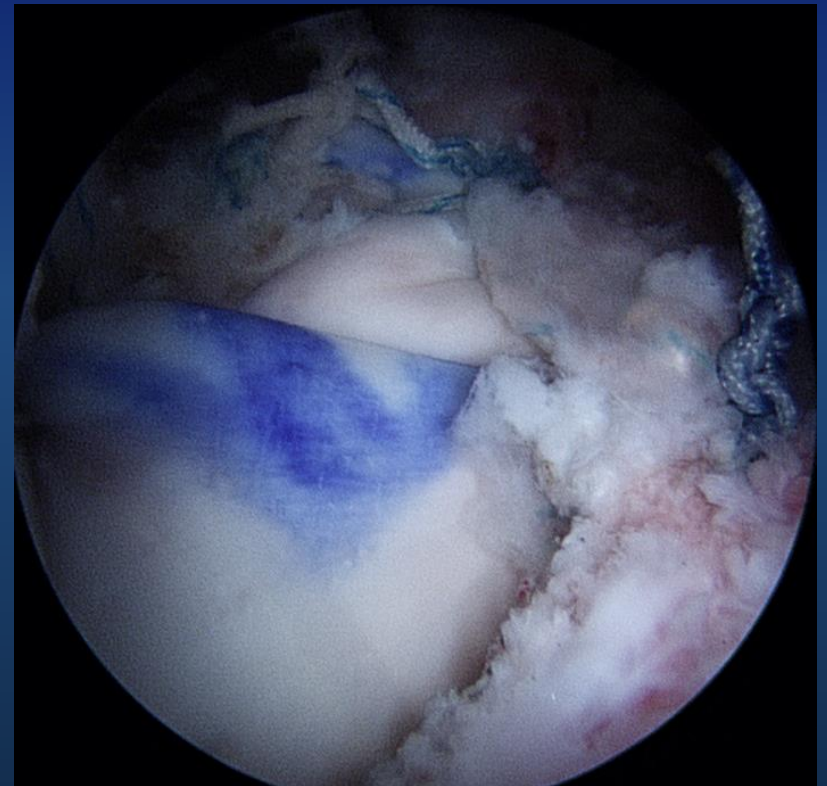
Pain management

Motion may improve

Strength, not as likely

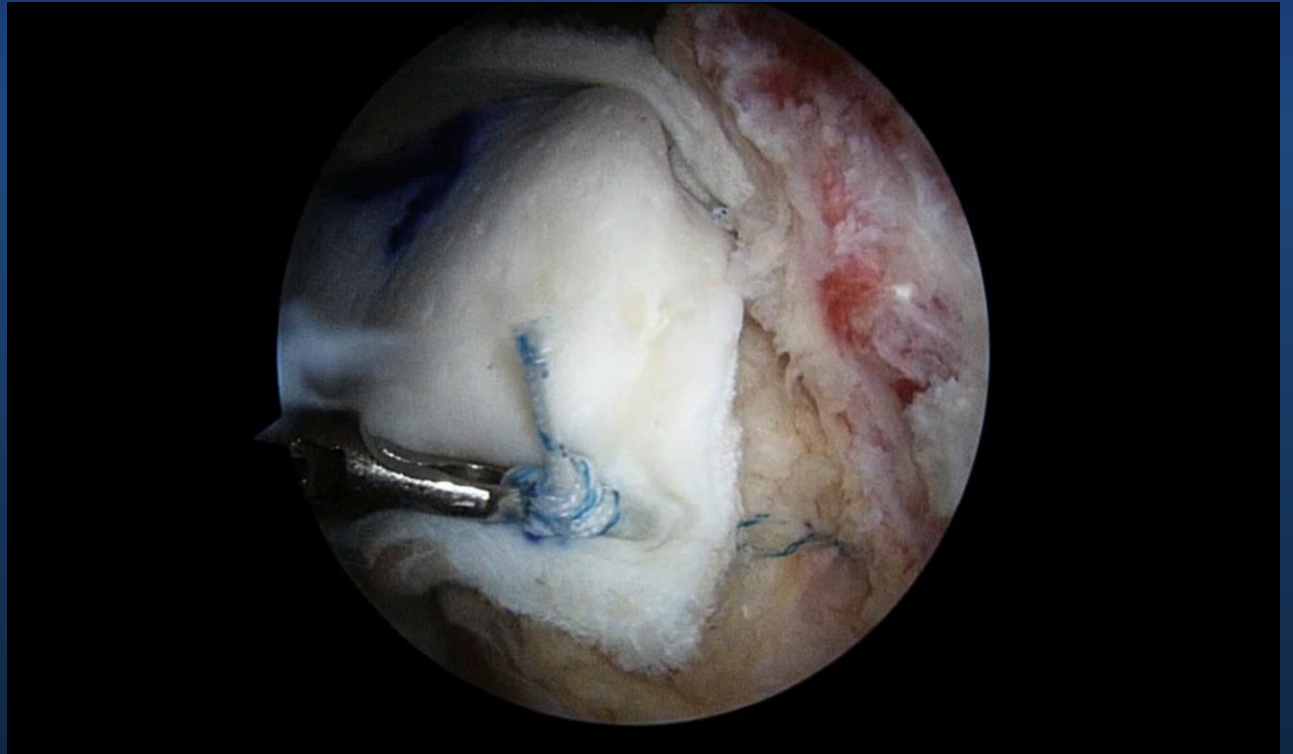
SCGR

Cuff reinforcement



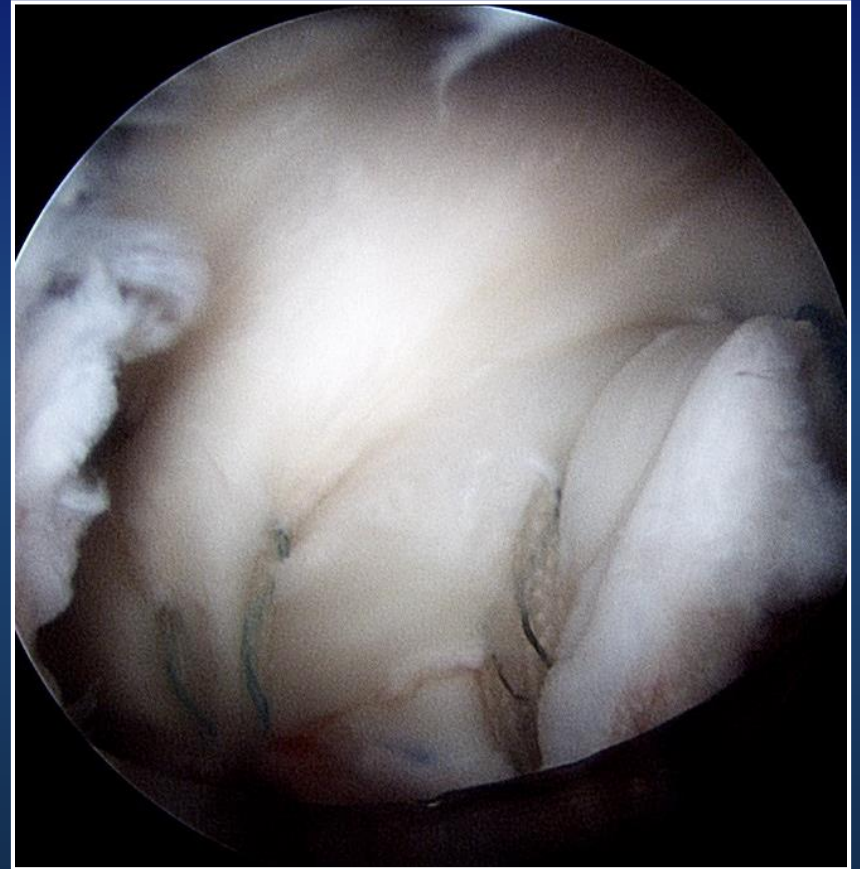
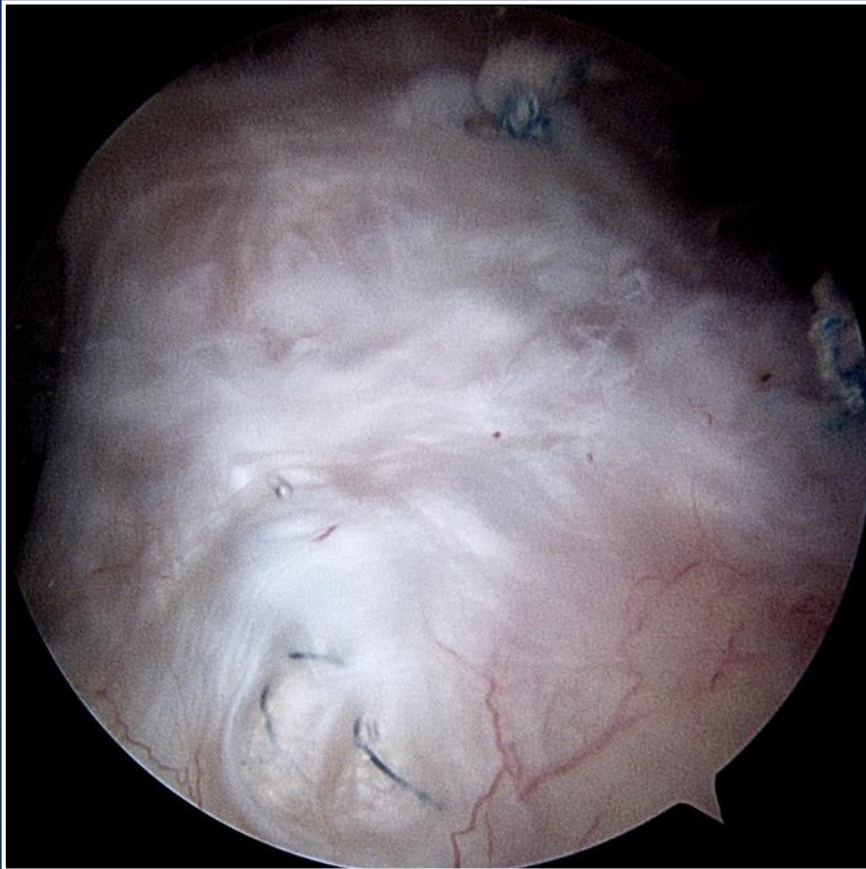
SUPERIOR CAPSULAR GRAFT







TENDON AUGMENTATION



Conclusions

- Cuff closure is the goal....but unable ?
- Partial rotator cuff repair
- Biceps bridge to reinforce repairs and cover defects
- Grafts: revision surgery

