Arthroscopic transosseous Rotator cuff repair, clinical result in 83 cases

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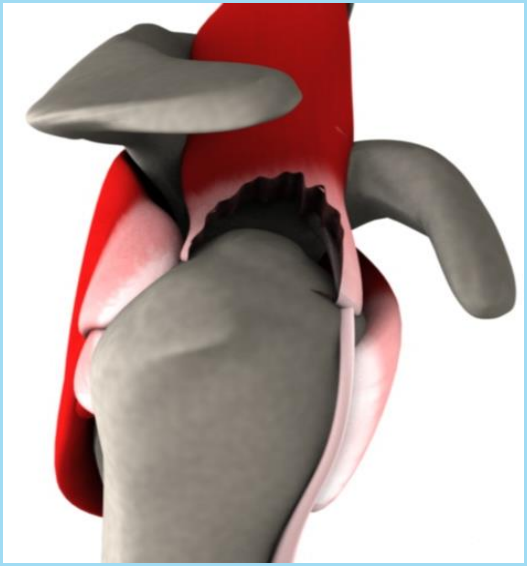
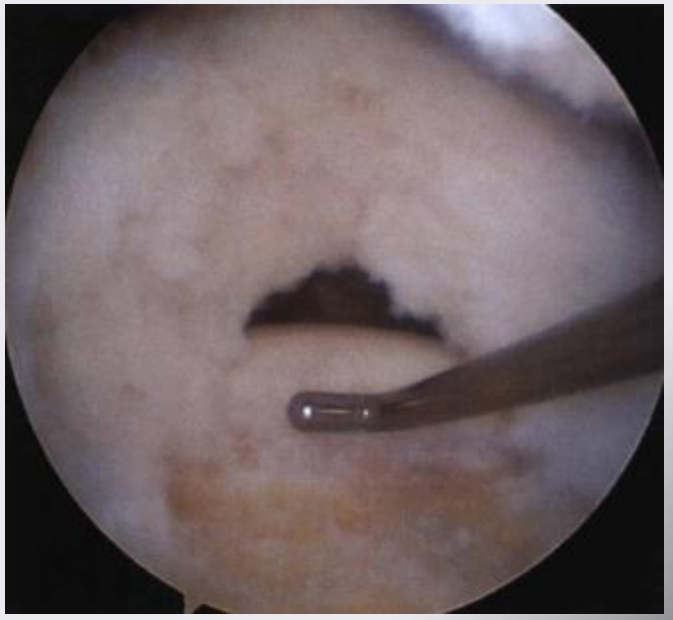


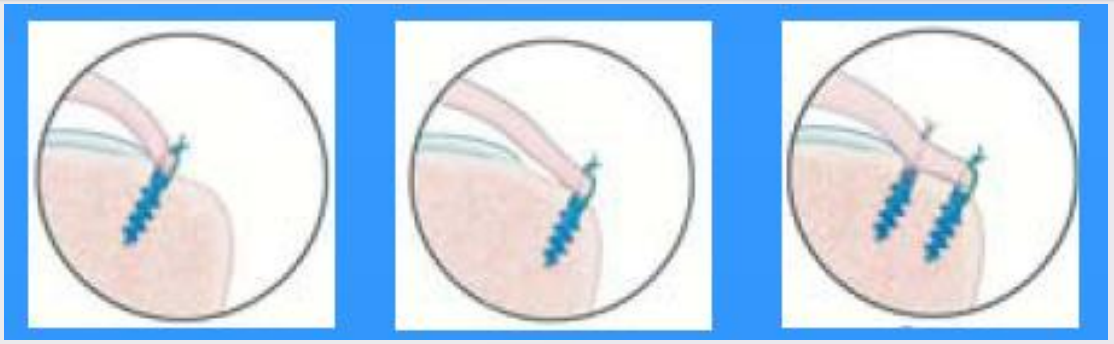
Arthroscopic repair of RC tears

- **results comparable to open repair**
  - better visualization of RC
  - Less deltoid morbidity
  - shorter hospital stay



Arthroscopic treatment

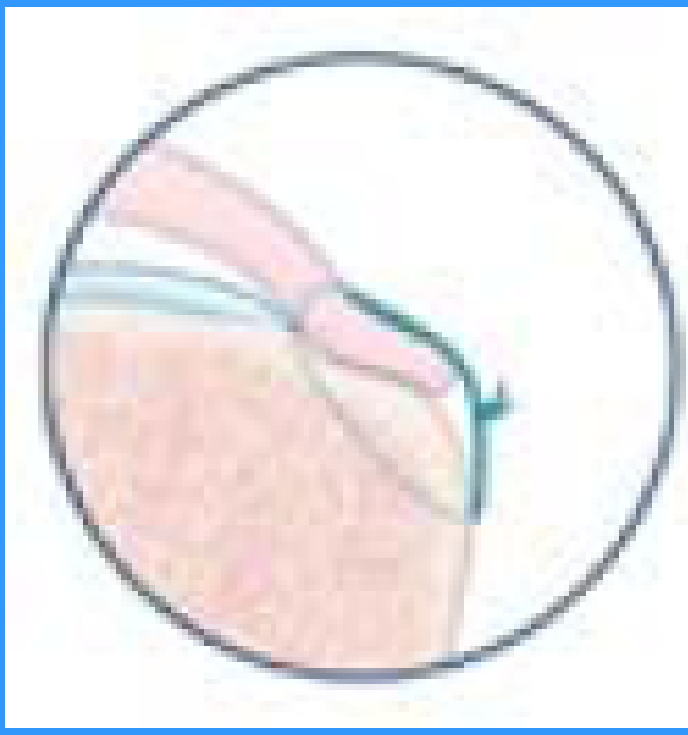
- Rigid fixation to bone



- **Problems with anchors :**
  - incorrect placement
  - migration after placement
  - loosening or breakage of anchors
  - Cost !

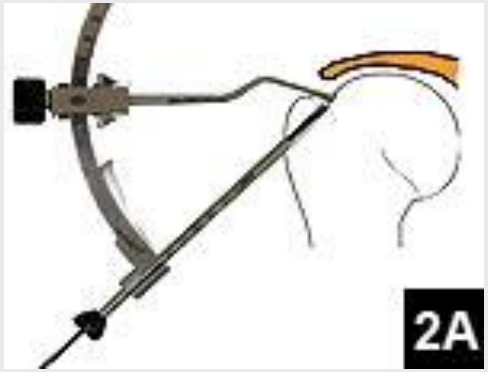
Transosseous repair

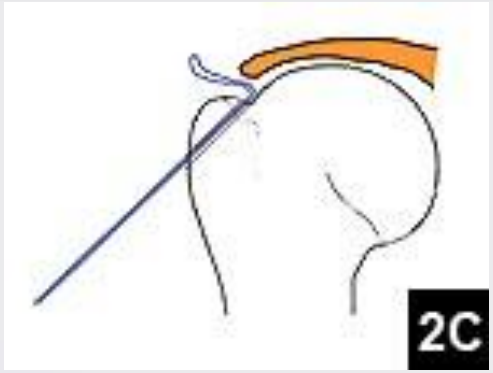
- Fixation of RC directly to bone is an ideal method especially by arthroscopic method

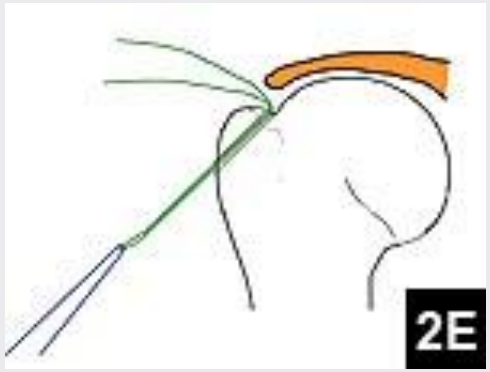


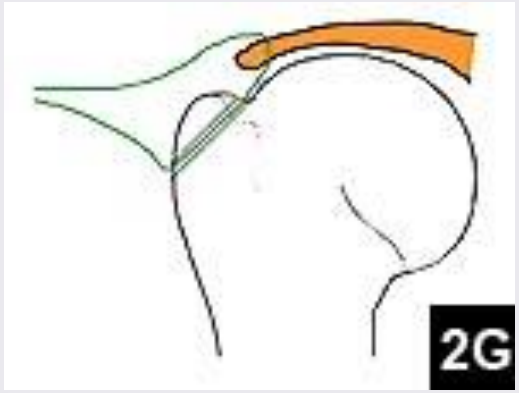
Transossous fixation

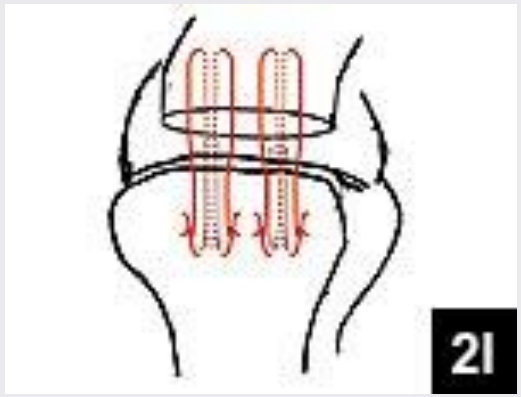
Arthroscopic transosseous repair







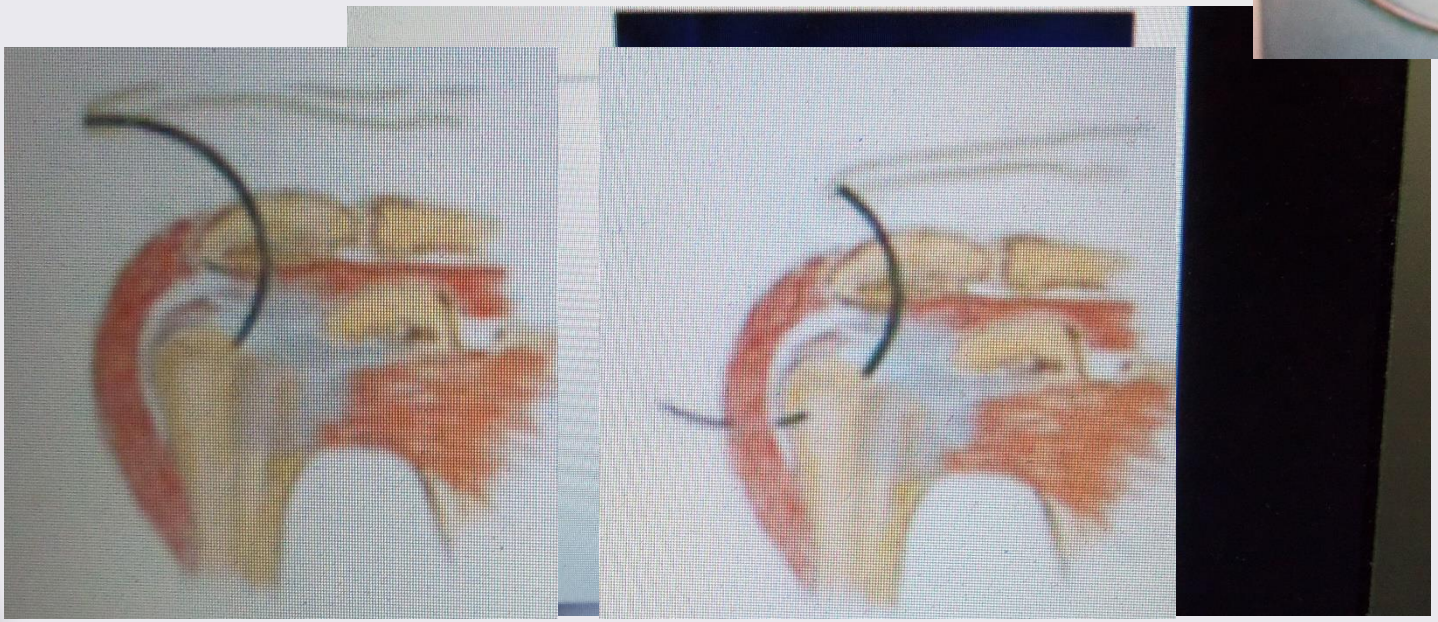




Arthroscopic Transosseous Rotator Cuff Repair. Kyung-Cheon Kim, et al ORTHOPEDICS April 2008;31(4):327.

Arthroscopic transosseous repair

Arthroscopic bone needle



The Arthroscopic Bone Needle

Clinical results and rerupture rate (MRI) of a new technique for rotator cuff reconstruction

J. Stehle, MD; H. Frick, MD; M. Haag, MD; M. Volz, MD

Arthrotunneler

Sumant G. Butch Krishnan

Technique animation

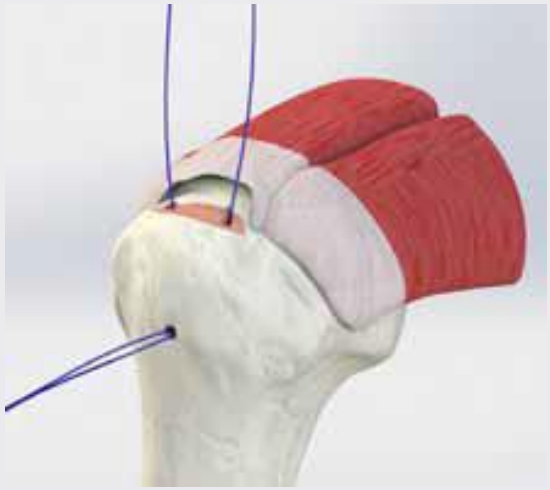
Taylor Stitcher & Sharc-Ft

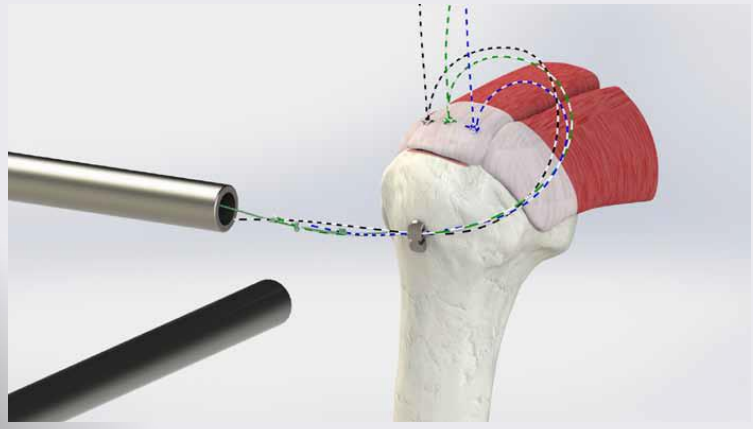
Pellegrini A., et al

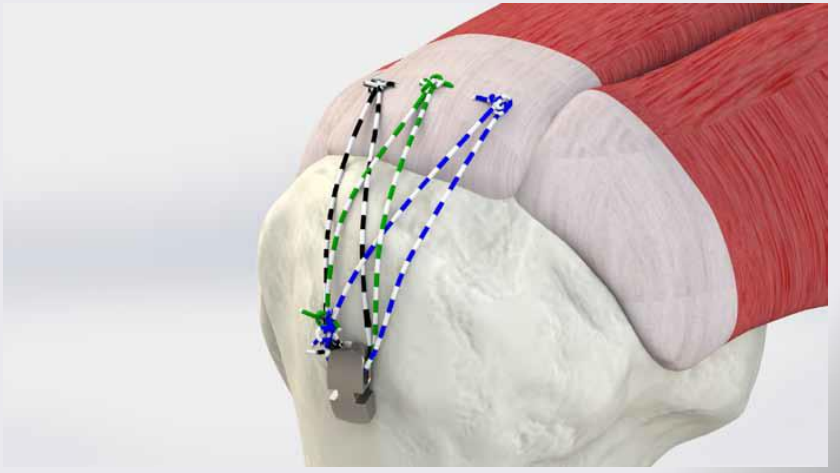
Arthroscopic Rotator Cuff Tear Transosseous Repair System: The Sharc-FT Using the Taylor Stitcher

Arthroscopy Techniques, Vol 4, No 3 (June), 2015: pp e201-e205

Taylor Stitcher & Sharc-Ft







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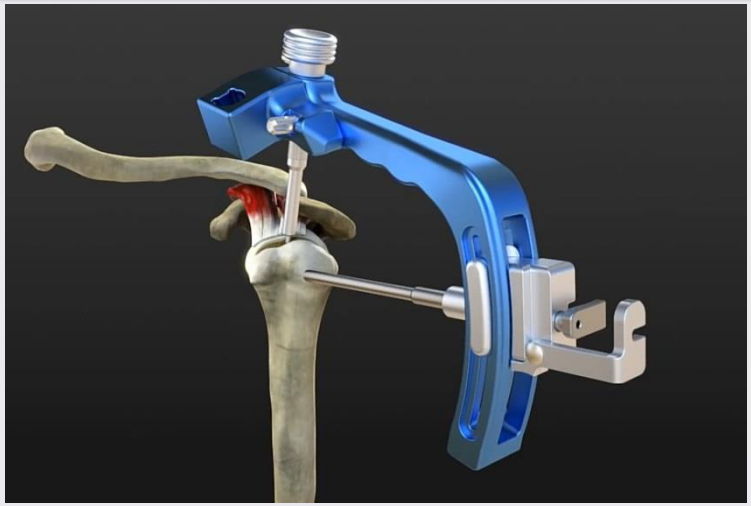
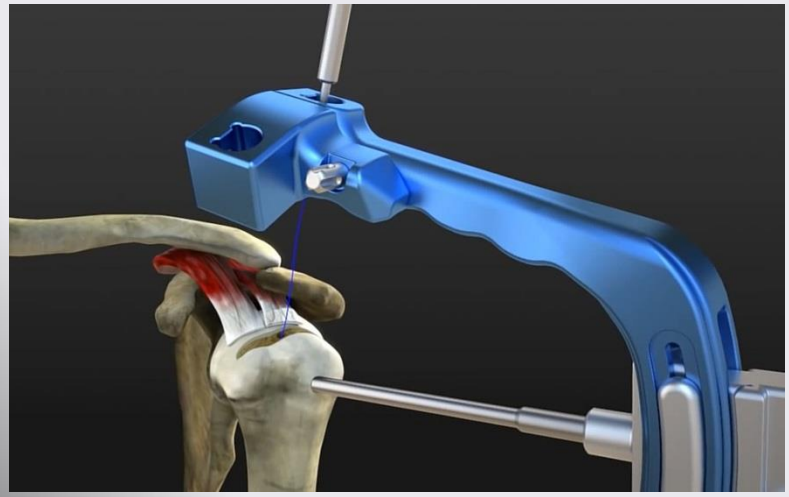
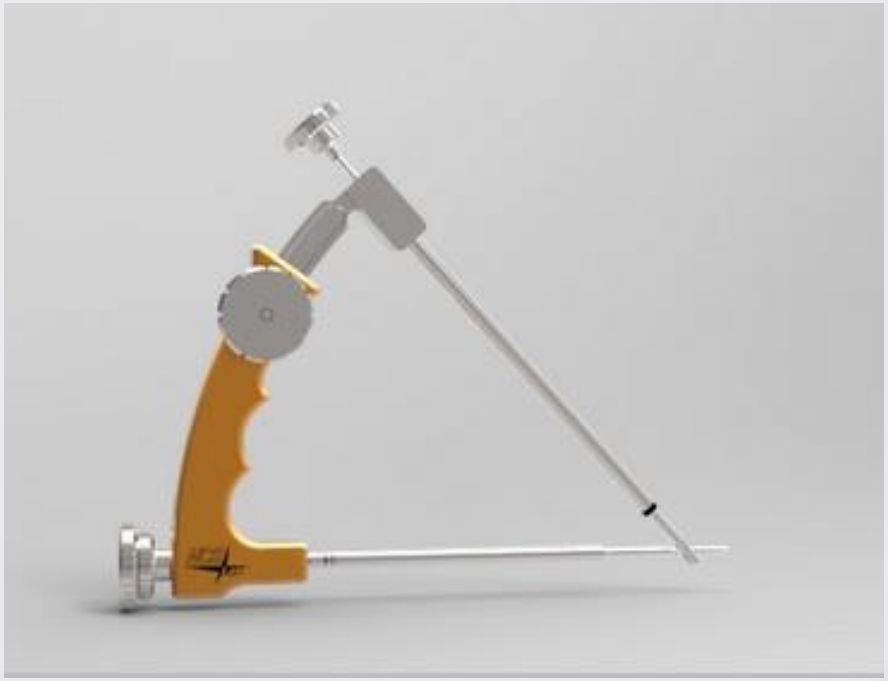
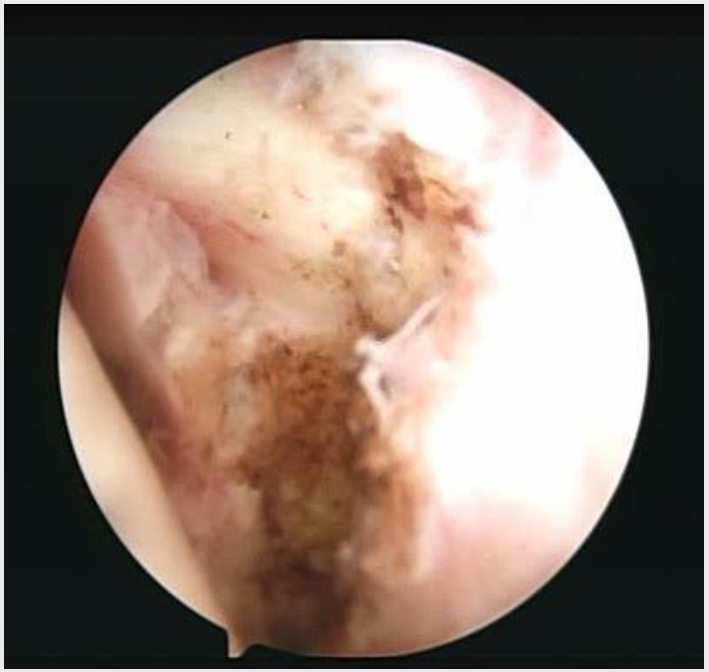


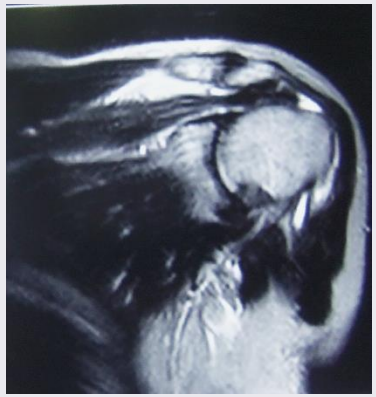




Our experience

- from 2010 to 2015 , 83 cases
- mean age = 52.8 years (range 37 to 70 y.)
- M/F = 42/41 , Rt shoulder =48 cases
- (76 cases) had large to massive tear
- In 14 patients subscapularis was involved
- follow up time = 11 month (6 – 24 m.)

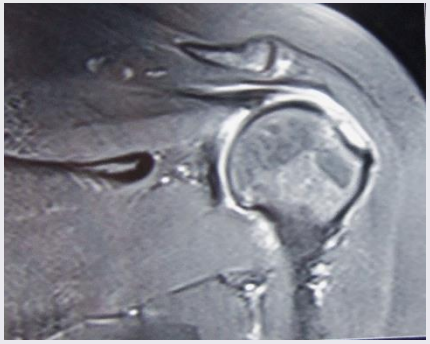




Our experience

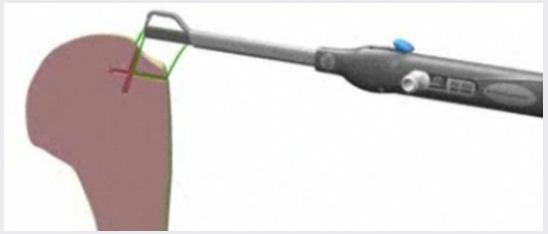
Results

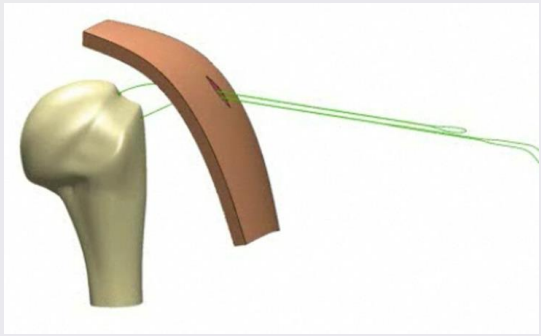
- Only in 4 case anchor was used with transosseous repair
- In 2 case with massive cuff tear partially repaired
- Constant score & Shoulder strength increased
- No infection
- ROM limited in 9 patients
- cost of operation was lower
- Technically more difficult



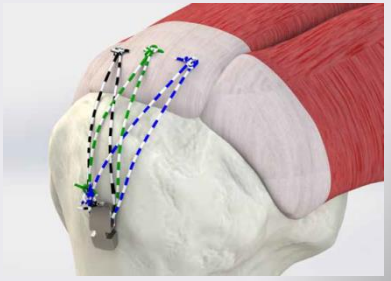
Summary

- Arthroscopic transosseous repair
  - A valuable option in cuff repair
  - No use of anchor
  - Primary results promising





longer learning curve



Thank you for attention