# Arthro-endoscopic, medial meniscal cyst excision & meniscal repair

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## Disclaimer

No conflict of interest



#### Case History

- 50 yr old female, daily wage labourer
- pain and swelling in her left knee 1year
- Severe pain and activity of daily living restricted
- Alleged history of skid in the farm yard a year ago

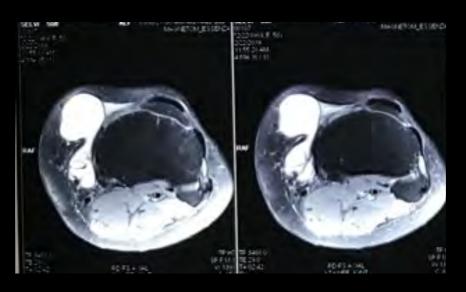




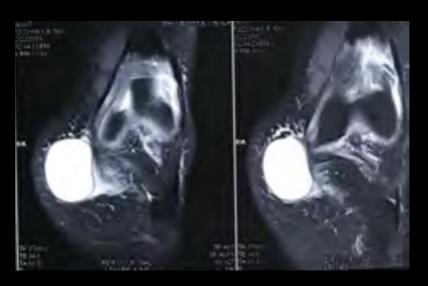


#### MRI









Large cystic swelling arising from the posteromedial aspect of the medial meniscus with extra-articular extra-capsular communication extending upto to the antero-medial aspect of the knee.



#### What do you need?

Real patience & some specific instruments

#### **Instruments used:**

- Standard 4mm arthroscope. Shaver
- Wissinger rod
- Radio frequency
- Metal Cannula
- All inside meniscal repair device





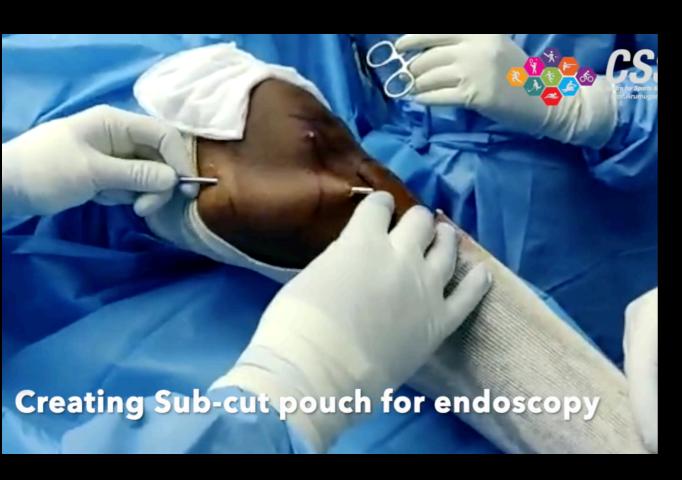
Expertise level: Advanced









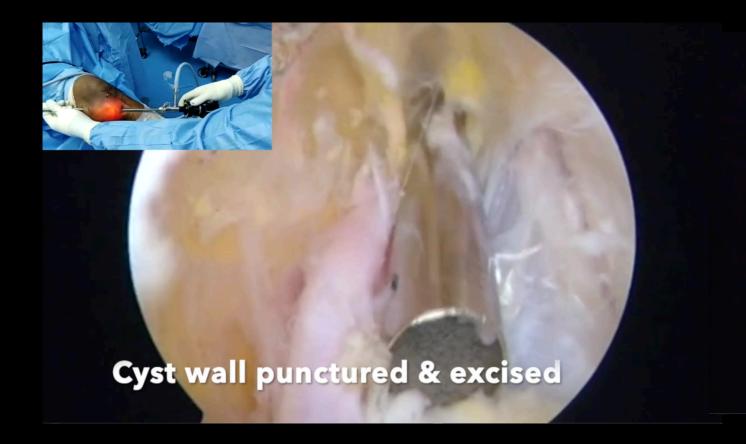










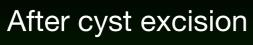














Follow up image



#### Why is this unique?

All endoscopic cyst removal & cyst tract excision

- Complete minimal access arthro-endoscopic resection of medial meniscal cyst
- Problems addressed: Meniscal tear, Intra articular cyst, extra-articular cyst, excision of communication channel.



#### Why is this unique?

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Standard AL, AM portal and PM portals for diagnostic arthroscopy

Antero-inferior para cyst portal & Mod PM portal used for separation of subcutaneous tissue overlying the cyst & for endoscopy.

Cyst wall dissected all around using RF. Isolated cyst is then punctured and then resected using a shaver.

The communications channel is also excised to prevent recurrence and the meniscus tear is repaired using all inside implants.



## Conclusion

Arthro-endoscopic meniscal cyst excision is an excellent choice as it serves the purpose.

Needs expertise & patience

Endoscopy work in extension

Removal of cyst tract & meniscal repair prevents recurrence



### Reference

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