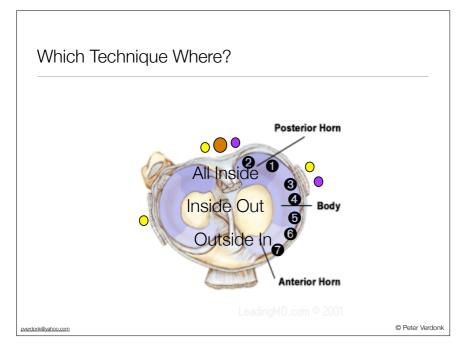
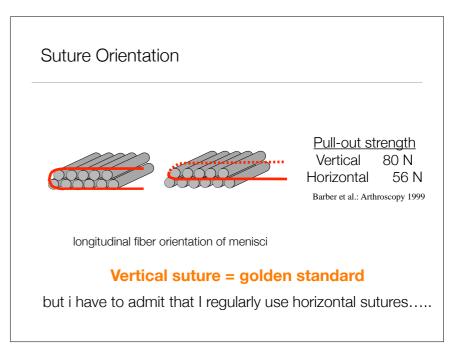


Meniscus Repair

Technical Notes

Peter Verdonk, MD, PhD from the Antwerp Orthopaedic Center, Monica Hospitals, Belgium.





Surgical Repair Principles •Preoperative planning •Arthroscopic evaluation •Freshen up the tear •Preoperative planning •Stimulate healing •Repair the meniscus •Check stability

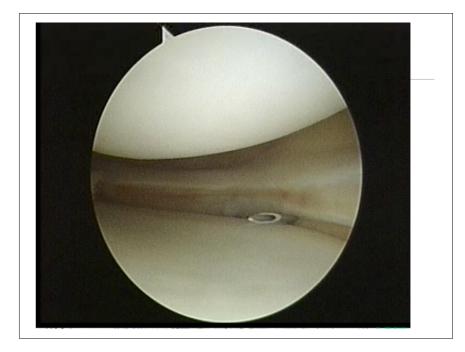


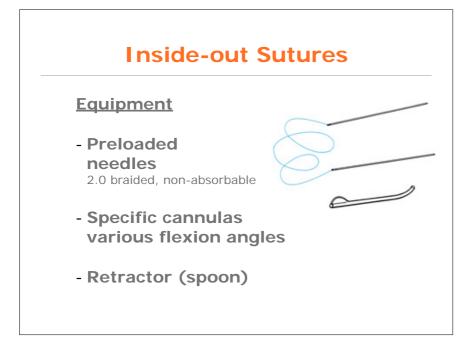
<image>











Inside out (1)



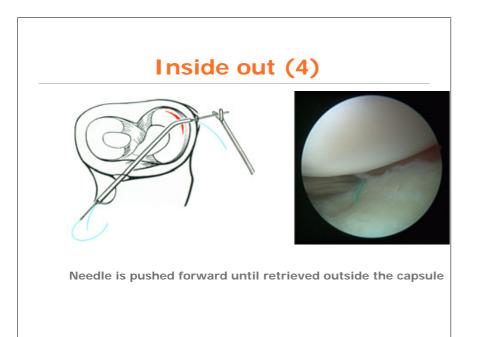


Introduction of curved cannula and reduction of the tear



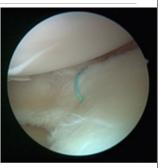


Passing another flexible needle through the cannula above the tear



Inside out (5)





Reduction of the lesion by pulling at both ends of the suture

<image><image>

Inside Out

- I pass my sutures through the skin first
- I make my skin incision inbetween the sutures
- make large enough incision and dissect onto capsula
- tie down sutures on capsule





Outside-In

Equipment

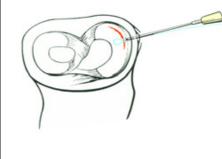
 2 spinal needles #1

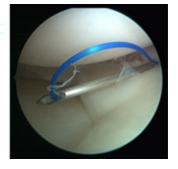
- Suture grasper

- Suture material
 2.0 Ethibond
 2.0/#0/ #1 PDS (absorb)
 2.0 Prolene (non-absorb)

Outside-in (1)

First Needle loaded with shuttle suture (2.0 ethilon) is passed through the capsule just above the lesion

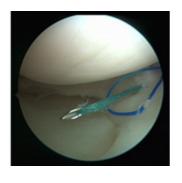




Outside-in (2)

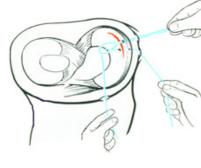
Second needle carrying repair suture is passed parallel to the shuttle suture through the capsule ideally passing the loop

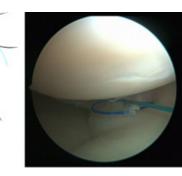




Outside-in (4)

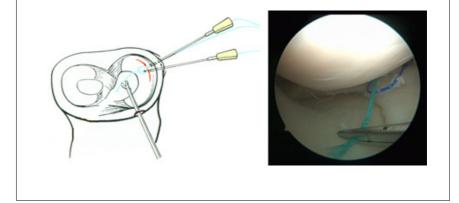
Needles are removed and free end of repair suture is shuttled through the capsule





Outside-in (3)

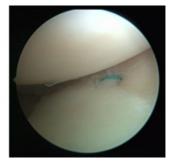
End of suture is caught with a suture grasper and retrieved anteriorly



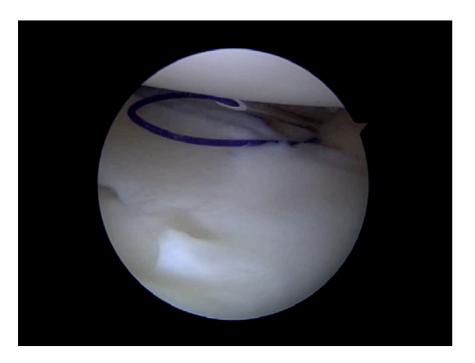
Outside-in (5)

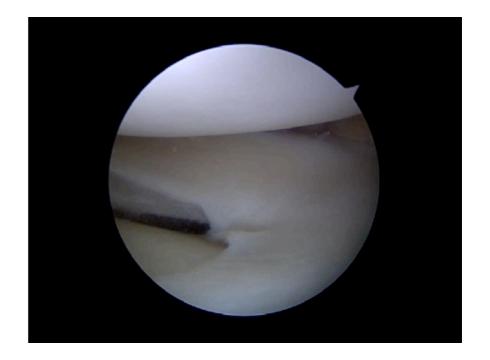
Reduction of the lesion by pulling at both ends of the suture outside the joint

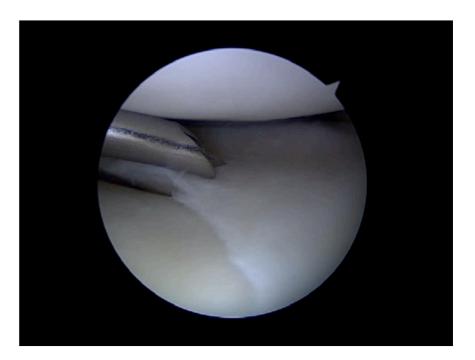


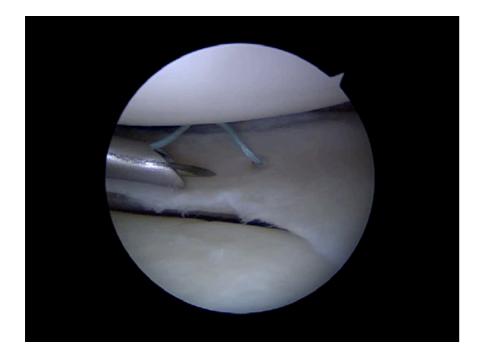


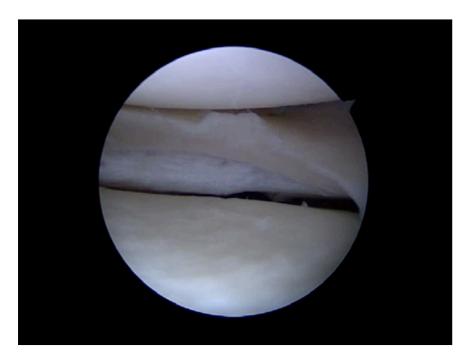
Outside in Sutures (vertical)Image: Superior rim

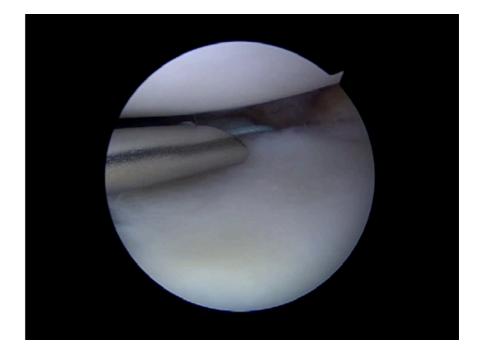


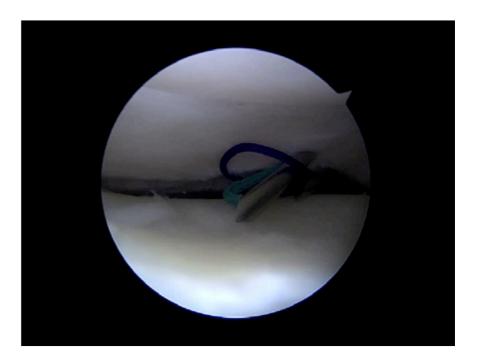


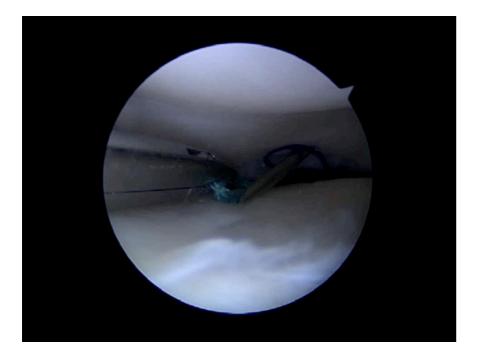


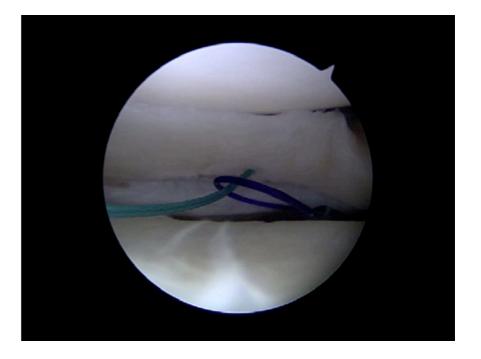








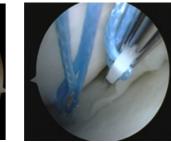




Suture techniques

ultra-fast rapid steady quick max fix....

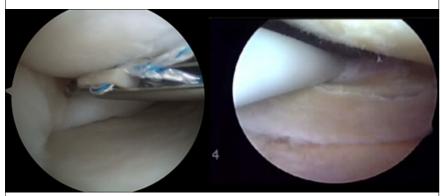




All-Inside technique golden standard for posterior horn lesions



All Inside



You can use your fastfix as a joystick

In large bucket handles start in the posteromedial or posterolateral corner



