

All Inside ACL Reconstruction

7th Annual DFW Sports Medicine Symposium
March 27th, 2010

Howard W. Harris, MD



Goals of ACL Reconstruction

- Restore normal anatomy
- Minimize Patient Risk
 - Surgical Time
 - Infection
 - Graft/Fixation Complications
- Minimize Pain
- Optimize Recovery Potential

All Inside Femoral Socket

Where should the femoral socket be and why?

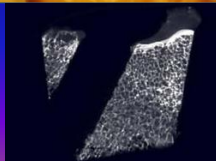
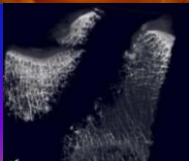


Transtibial vs medial portal reaming

All Inside Tibial Socket

- No dissection of proximal tibia
- No violation of tibial cortex and periosteum
- Minimizes fragmentation of subcondral bone
- Fixation at tunnel orifice
- Decreased risk of tunnel widening?
- Decreased synovial fluid migration?

All Inside Tibial Socket



RetroDrill Tibial Socket Technique

Tibial Tunnel steps:

1. Select Retrodrill tibial drill-guide position
2. Drill and engage RetroDrill into Retrocutter
3. Set black ring to drill sleeve
4. Drill RetroDrill on **forward**, pull down, create socket
5. Reload cutter to marking hook tip, **reverse** Retrocutter
6. Remove guide and cutter
7. Shuttle Fiberstick up RetroDrill into joint, out medial portal



All Inside ACL Graft

- No limitations of graft choice
 - BTB, HS, allograft
- Pass graft into knee through medial portal
- Femoral Fixation
 - Surgeons choice
- Tibial Fixation
 - Retroscrew for All Inside
 - Backup fixation is still an option

Video

