07/02/14











Realignment Surgery and OCD

But -failure to heal - sizeable defect

- * Non operative
- * Microfracture
- * Mosaicplasty
- * Cartilage restoration
- * Allograft

osteoarthritis than the other

groups"

If considering any of these, must check alignment and correct



Realignment Surgery and OCD Morrey 1989 * First reference to HTO for OCD * Reported on 33 CWHTO's-younger * Average follow up 7.5 years * 3 following OCD * 4 OCD and medial menisectomy * All had satisfactory results



Realignment Surgery and OCD

Slawski 1997

- * Further publication on OCD and realignment
- * Seven knees underwent CWHTO at average age 32
- * Four had achieved bony
- healing of fragment
- * Three fragment excised



Realignment Surgery and OCD Slawski 1997 * All maligned varusaverage o degrees tibio-femoral

- * Non involved limb averaged 5 degrees valgus
- * None had diffuse MC articular wear on XR & arthroscopy





2

Realignment Surgery and OCD

- * Epiphyseodesis
- * Nothing published in English literature



Summary

High Tibial Osteotomy and OCD

- * Role is to unload
- * Indicated pain & malalignment
- Mutated pair & malagnment
 * Best results with early surgery
 * Nothing in literature suggesting HTO improves healing by unloading
- * Nothing published on epiphyseodesis







High Tibial Osteotomy

- * Difficult to sell
- * Everyone has heard of arthroscopy and replacment
- * "You're going to break my leg....."
- * Most patients come with Xrays/MRI
- * No one arrives with long films





3



High Tibial Osteotomy

* 75 year old male

- * Pain and poor mobility
- * Good general health* Fed up with a bad knee











High Tibial Osteotomy

- * Navigate
- * To 2-3 degrees valgus
- * Opening wedge
- * Bank bone to defect
- * Non weight bearing 6 weeks



Rese











Methods

Delayed Gadolinium Enhanced MRI of Cartilage (dGEMRIC)

 uses negatively charged contrast agent (Gadolinium) to determine Glycosaminoglycan distribution within the cartilage

ney Orthopsecki Resea

















