References


10:31 – 10:36 am

**Arthroereisis? How do you spell that and did you mean arthrodesis?**

**Flexible Asymmetric Adult Flatfoot: Role of the Arthroereisis Subtalar Implant**

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I. What is happening to the subtalar joint in flatfoot?  
A. Lateral subluxation of calcaneus on talus  
B. Disassociation between talus and calcaneus

II. Definition: arthroereisis --> arthrorisis  
A. An operation for limiting motion in a joint in cases of undue mobility from paralysis, usually by means of a bone block.  
B. Synonym: arthroereisis.  
C. Origin: arthro-+ G. Ereisis, a propping up

III. Control subtalar joint alignment  
A. By fusion  
   1. Grice  
      a. Extra-articular subtalar fusion  
   2. Harra...
B. By implant
1. There are many options
   a. Screws
      (1) Cannulated
         i. Anatomic
         ii. Barrel
         iii. Wedge
      (2) Ingrowth
      (3) Various materials
         i. Titanium
         ii. Plastic
         iii. Resorbable
      (4) Most threaded
2. No great studies

IV. Reported indications are skeletally immature patient
A. In theory will remodel
B. Symptomatic flexible flatfoot
C. Dorsolateral peritalar subluxation
D. Giannini and Lara, FAI 2005
   1. Giannini endo-orthotic implant
   2. 65 feet (37 pts)
   3. Procedure:
      a. Subtalar implant
      b. Achilles lengthening (60%)
4. Pain reduction:
   5. 60% → 6%
   6. 50% took up sports postop

V. What about the skeletally mature patient?
A. Sometimes need more correction
B. Screw can be a nice easy to apply adjunct
      Van Aman, Scott E. MD; Schon, Lew C. MD
C. Can aid in correction
   1. Vora, Parks, Schon, JBJS, 2006
D. Role in adults?
   1. Adjunct to traditional flatfoot approach
   2. Lateral support for medial soft tissue procedures

References

Subtalar Arthroereisis


3. Needleman RL. A surgical approach for flexible flatfeet in adults including a subtalar arthroereisis with the MBA sinus tarsi implant. Foot Ankle Int. 2006;27(1):9-18

