

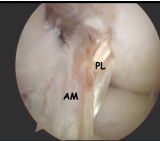
Gold Standard is still Single bundle



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Literature !!



- ✓ Pubmed
 - ✓ 154 in 10 years,
 - ✓ 141 since 2005
 - ✓ 38 in 2009
- ✓ Science direct
 - ✓ 378 in 10 years
 - ✓ 205 since 2006
 - ✓ 77 in 2009

Biomechanics
Anatomical
Techniques
Results @ short term
Comparative studies !


DB for kinematics?

- ✓ Better control pivot shift Zantop AMJS 2007
- ✓ in comparison with SB ?? made ??
- ✓ SB reproduce one bundle (AM or PL)
Mae Arthroscopy 2001, Yagi AJSM 2002, Yamamoto AJSM 2004,...
- ✓ No ≠ when SB centered on footprints
Markolf JBJS 2008, Albuquerque Clinics 2007
Ho & al Arthroscopy 2009

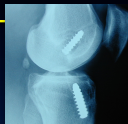
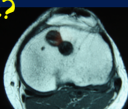
DB for clinical results?

- ✓ RCT = NS ++ Ferretti AJSM 2008, ..., Meredick AJSM 2008
- ✓ except for promotor
- ✓ Short term FU Siebold 2008, Aglietti 2008, Kondo 2008
- ✓ Good results with good tunnels in SB
» Loh Arthroscopy 2003, Scoop Arthroscopy 2004

DB other issues


- ✓ Economy 
- ✓ Technically
 - ✓ So many techniques!!
 - ✓ = proof of non recognized one

Complication rate

- ✓ Complications SB : 10 to 25% 
- ✓ DB = double trouble should be still true for standard (even good) surgeon
- ✓ How to deal with a DB failure?

- ✓ 2 stages

Rationale


- ✓ Numbers / ACL repair per year
 - ✓ US : 110 000
 - ✓ Europe : Probably dramatically more
- ✓ Numbers performed / surgeons per year
 - ✓ > 20 : 22 %
 - ✓ < 20 : 78 % (& 10% < 12)
- ✓ % age of DB surgeons
 - ✓ AOSSM survey 2008 : 1,8%
 - ✓ France : 4,6%
 - ✓ And not for every patient.....



What are the reasons / DB

- ✓ Learn how to perform a single bundle
- ✓ Native footprint at both tibia and femur

Ho & al Arthroscopy 2009
Bedi & Altchek Arthroscopy 2009



December 2010 2nd, 3rd, 4th






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