



Türk Ortopedi ve Travmatoloji
Birlięi Derneęi

27.

**Ulusal Türk
Ortopedi ve Travmatoloji
Kongresi**

"Uluslararası Katılımlı"

24-29 Ekim 2017

**Sueno Belek Kongre Merkezi
Antalya**

ÖÇB Rekonstrüksiyonunda Güncel Yaklaşımlar

Tünellerin Yerleşimi

DR. EMİN BAL



Başarısız ÖÇB Rekonstrüksiyonunda en sık etken **TÜNEL YERLEŞİM HATALARI**

Howell SM, Clark JA (1992) Tibial tunnel placement in anterior cruciate ligament reconstructions and graft impingement. Clin Orthop 283:187–195

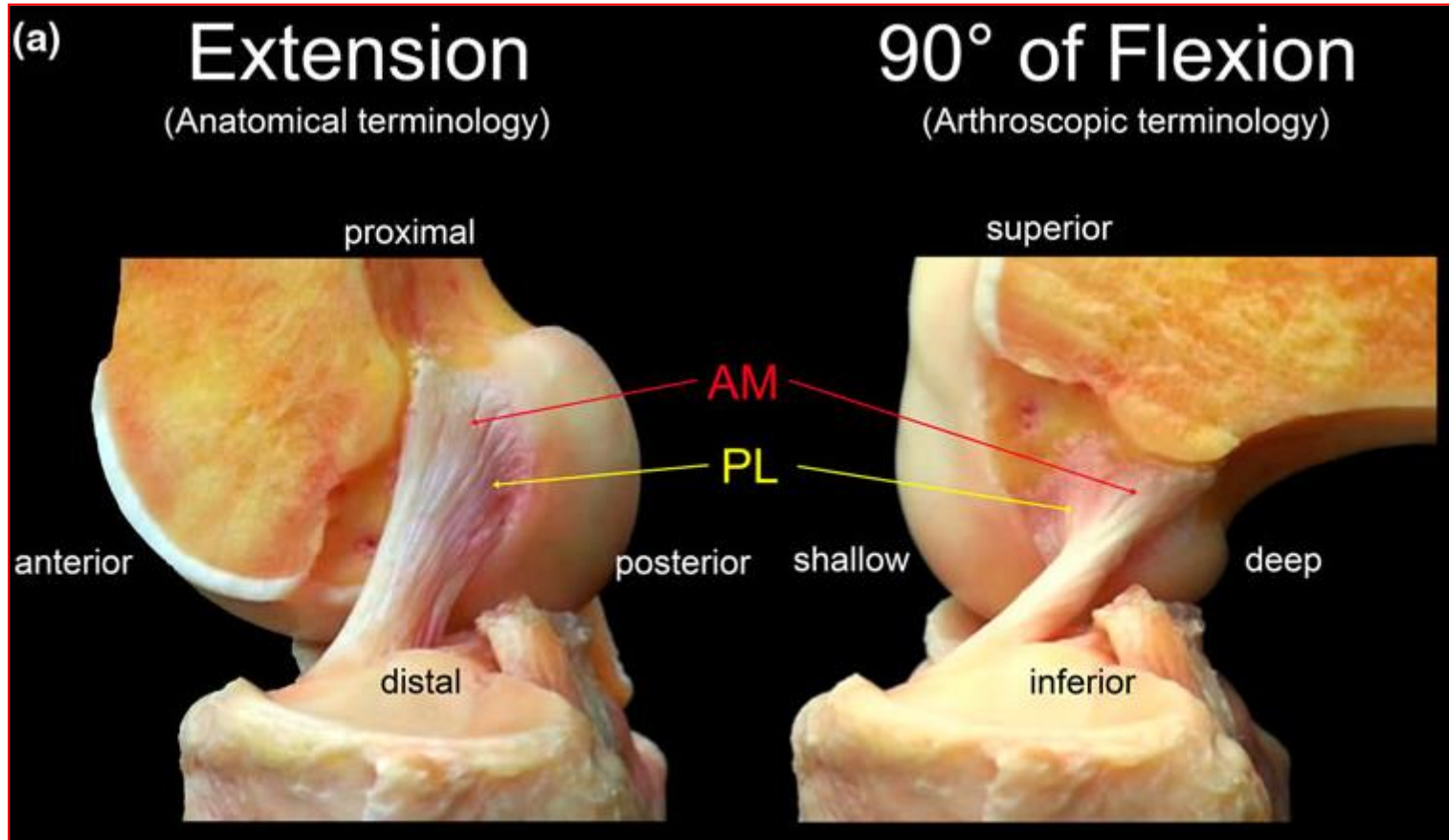
Description of the attachment geometry of the anteromedial and posterolateral bundles of the ACL from arthroscopic perspective for anatomical tunnel placement
Joan W. H. Luites Æ Ate B. Wymenga Æ Leendert Blankevoort Æ Jan G. M. Kooloos
Knee Surg Sports Traumatol Arthrosc (2007) 15:1422–1431

ÖÇB Rekonstrüksiyonunda **Güncel** ?

İZOMETRİK  **ANATOMİK**

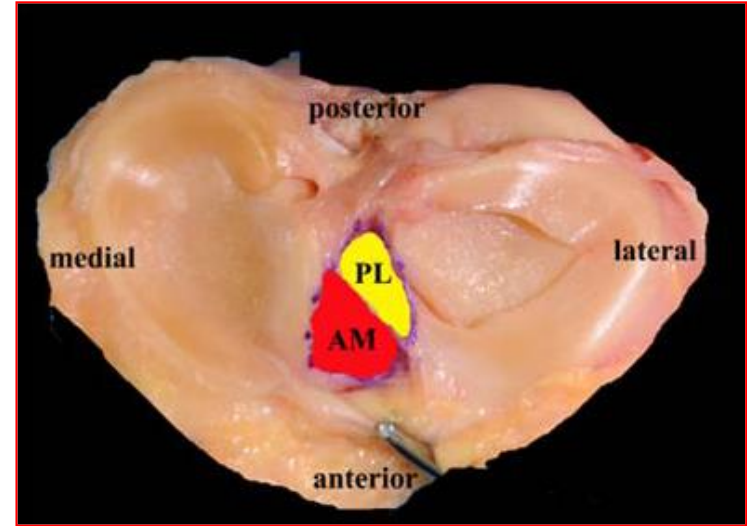
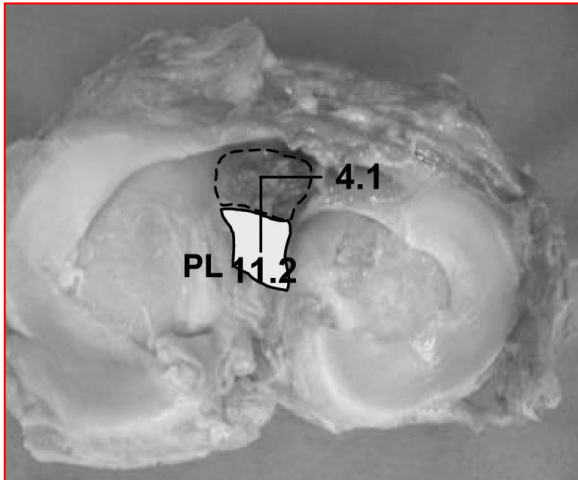
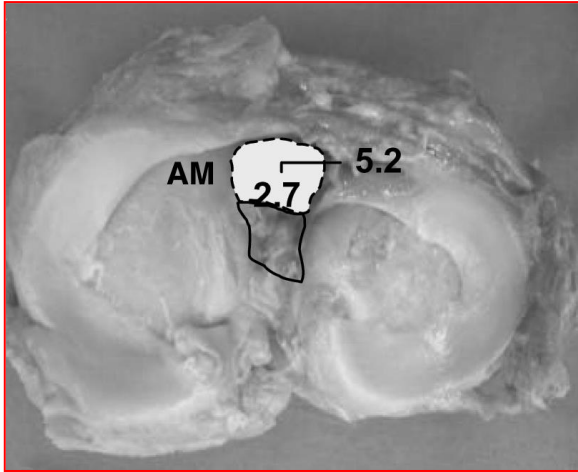


ÖÇB ANATOMİSİ



Transtibial ACL reconstruction technique fails to position drill tunnels anatomically in vivo 3D CT study
Sebastian Kopf • Brian Forsythe • Andrew K. Wong • Scott Tashman • James J. Irrgang • Freddie H. Fu

Tibial Yapışma Yeri

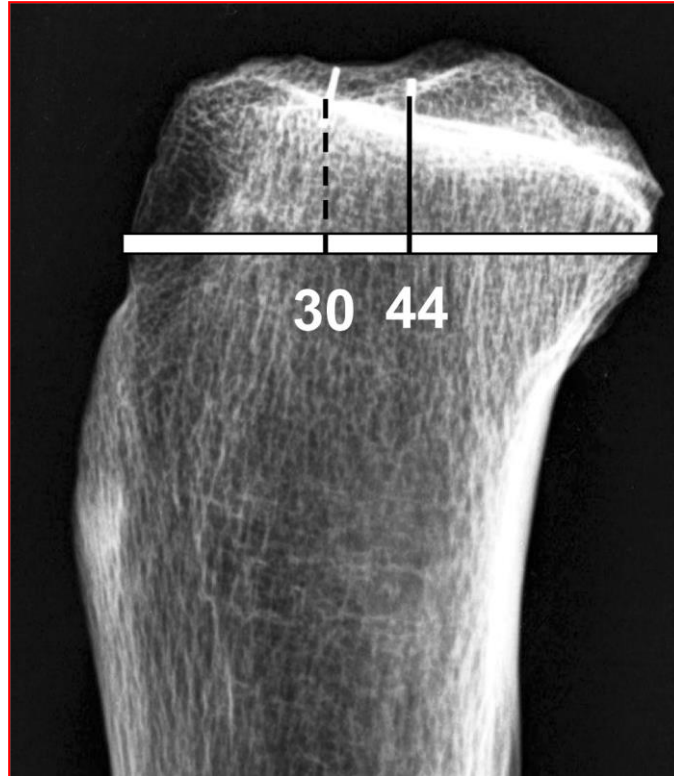


A systematic review of the femoral origin and tibial insertion morphology of the ACL
Sebastian Kopf Æ Volker Musahl Æ Scott Tashman Æ Michal Szczodry Æ Wei Shen
Æ Freddie H. Fu

Knee Surg Sports Traumatol Arthrosc (2009) 17:213–219

Tunnel Positioning of Anteromedial and Posterolateral Bundles in Anatomic Anterior Cruciate Ligament Reconstruction : Anatomic and Radiographic Findings
Thore Zantop, Mathias Wellmann, Freddie H. Fu and Wolf Petersen
Am J Sports Med 2008 36: 65 originally published online October 11, 2007

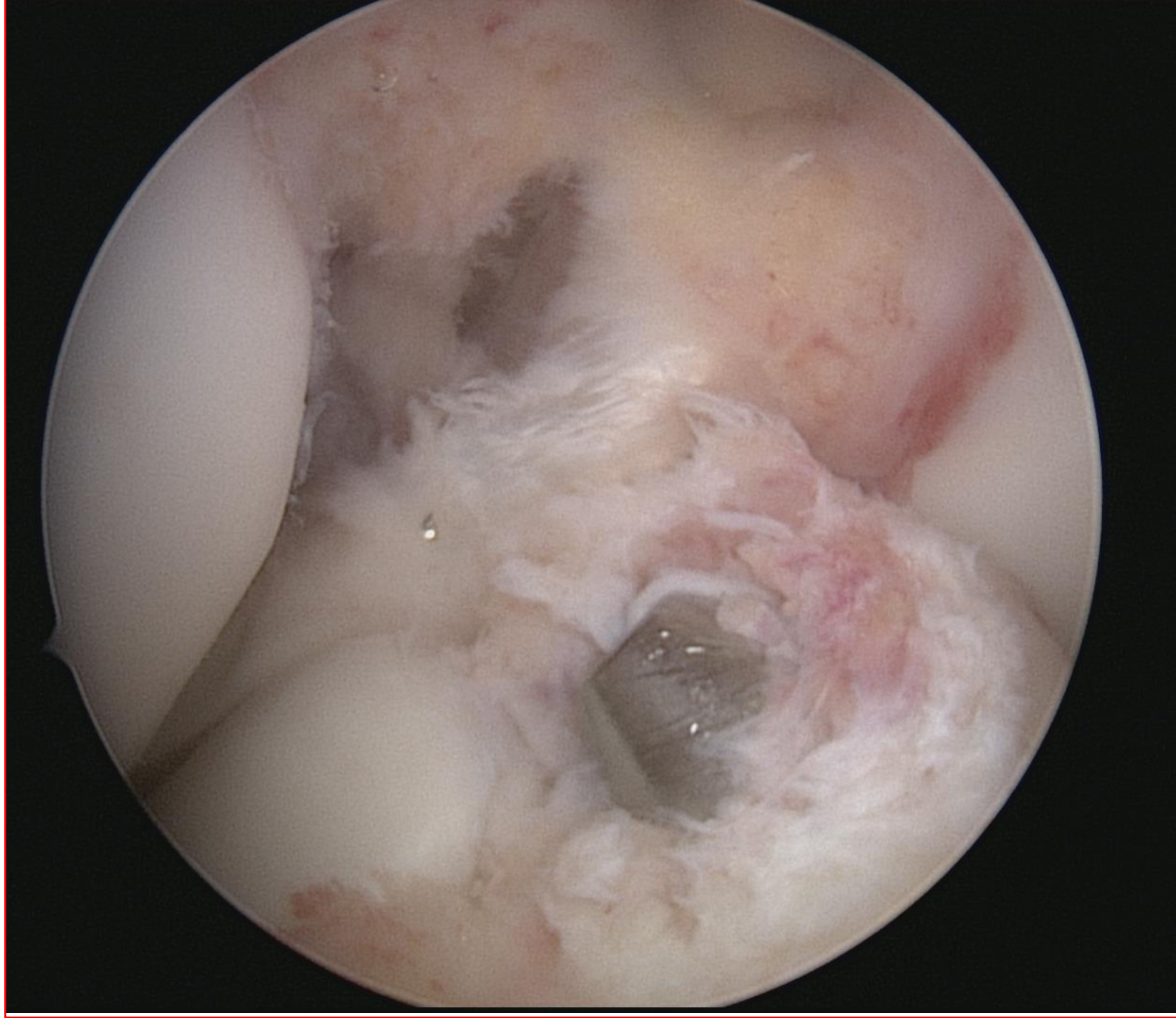
Tibial Yapışma Yeri



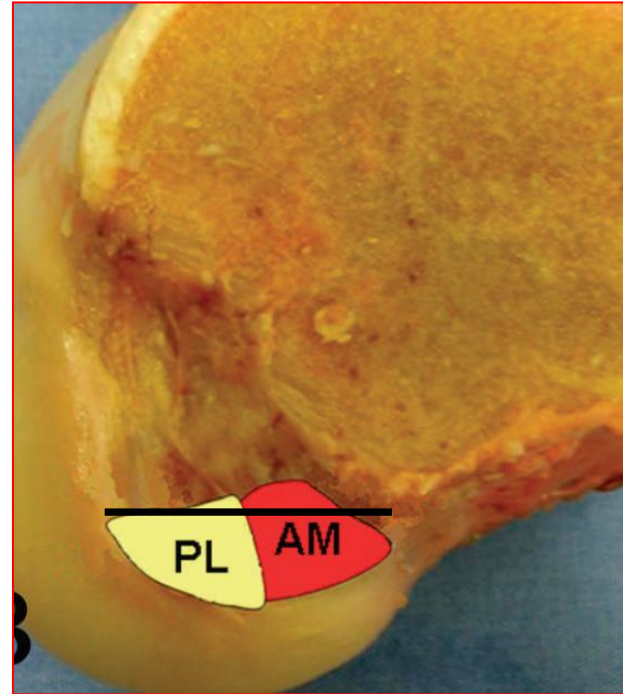
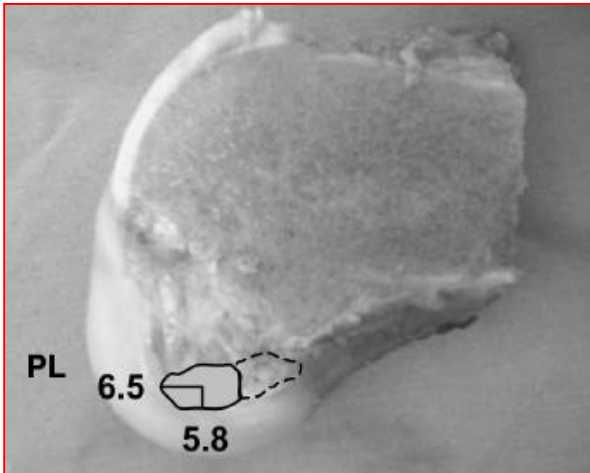
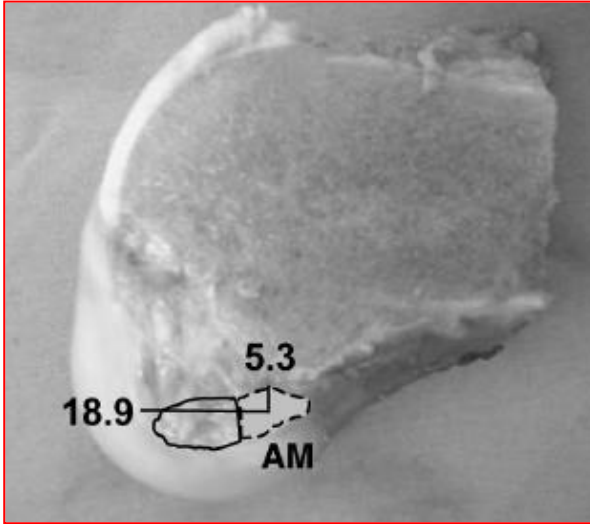
Tunnel Positioning of Anteromedial and Posterolateral Bundles in Anatomic Anterior Cruciate Ligament Reconstruction : Anatomic and Radiographic Findings

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Tibial Yapışma Yeri



Femoral Yapışma Yeri

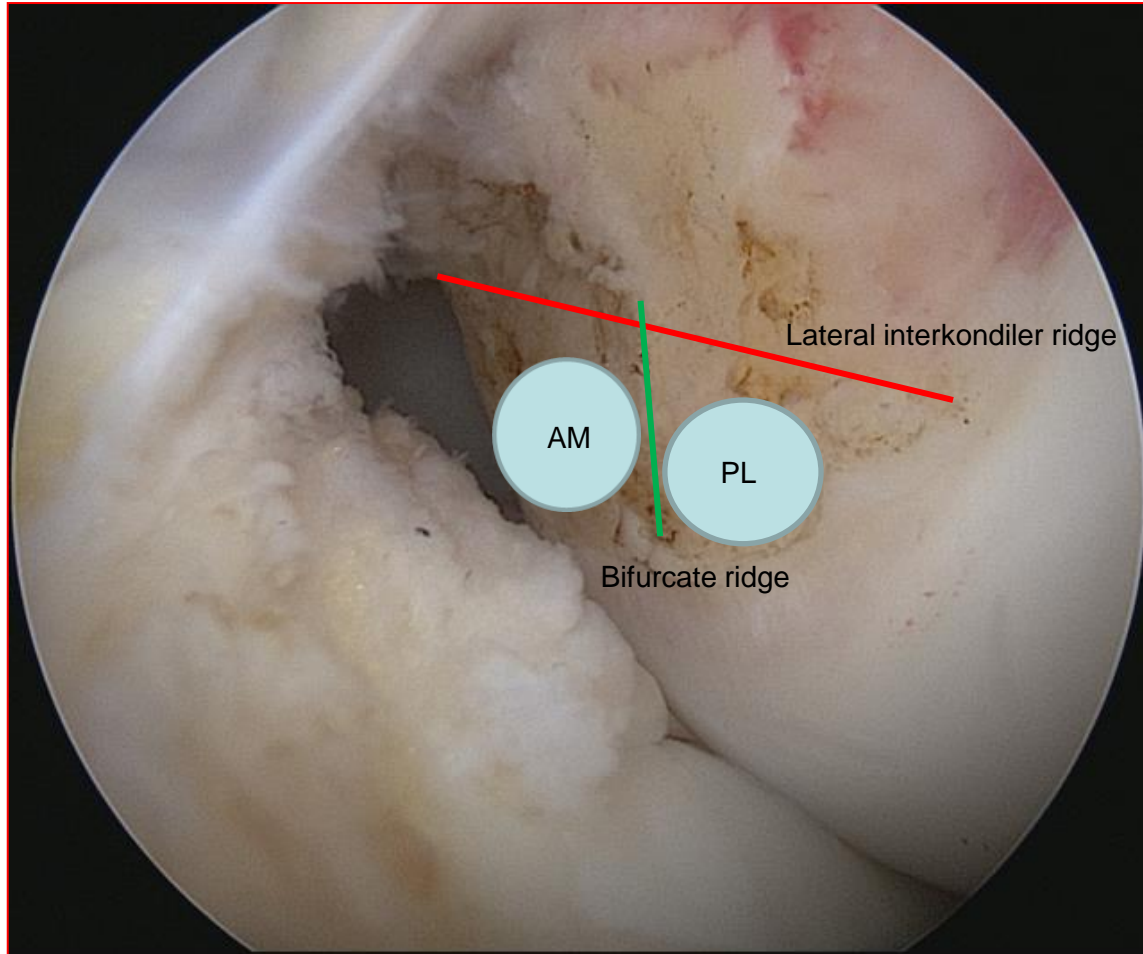


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Femoral Yapışma Yeri



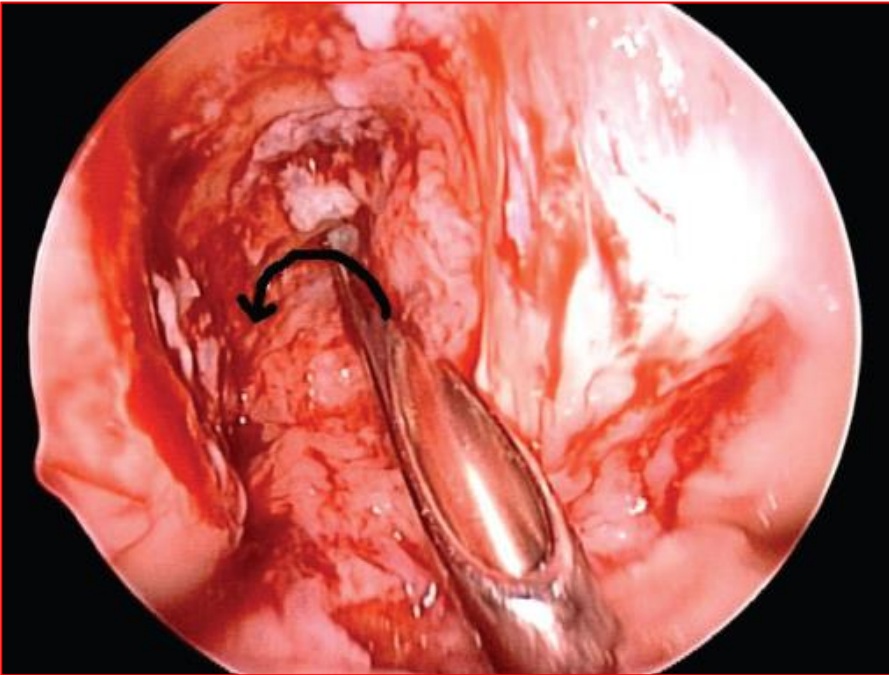
Ferretti M, Ekdahl M, Shen W et al (2007) Osseous landmarks of the femoral attachment of the anterior cruciate ligament: an anatomic study. Arthroscopy 23:1218–1225

Tünellerin Hazırlanması

Femoral Tünel

Transtibial

Aksesuar Medial Portal



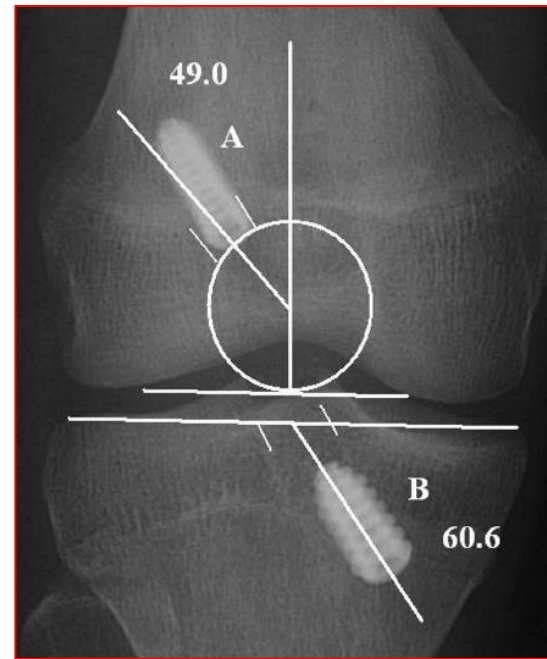
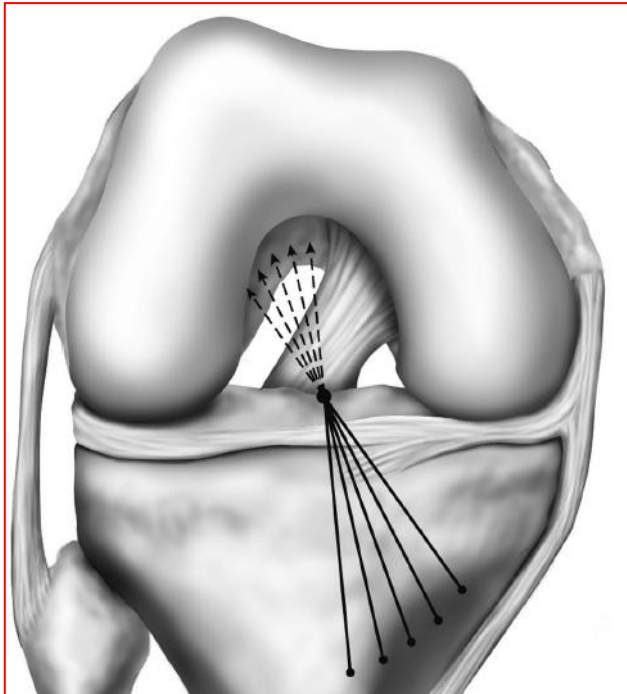
Single-Bundle Anterior Cruciate Ligament Reconstruction: Technique Overview and Comprehensive Review of Results

John-Paul H. Rue, Paul B. Lewis, A. Dushi Parameswaran and Bernard R. Bach, Jr.
J Bone Joint Surg Am. 2008;90:67-74. doi:10.2106/JBJS.H.00651

Tünellerin Hazırlanması

Femoral Tünel

Transtibial



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Tünellerin Hazırlanması

Femoral Tünel

Aksesuar Medial Portal

Anatomik femoral yapışma noktalarına ulaşma oranı
daha yüksek

Oval femoral tünel oluşumunu azaltır

Comparison of transtibial and transportal techniques in drilling femoral tunnels during anterior cruciate ligament reconstruction using 3D-CAD models

This article was published in the following Dove Press journal:
Open Access Journal of Sports Medicine
4 April 2014

Transtibial ACL reconstruction technique fails to position drill tunnels anatomically in vivo 3D CT study

Sebastian Kopf · Brian Forsythe · Andrew K. Wong ·
Scott Tashman · James J. Irrgang ·
Freddie H. Fu

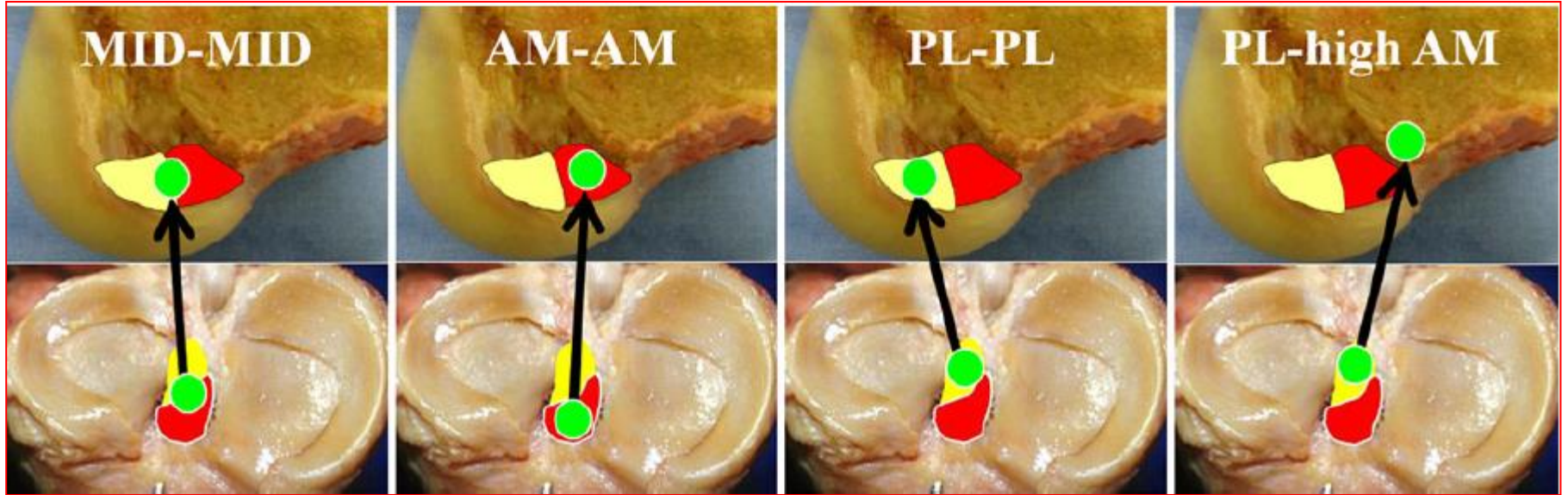
Knee Surg Sports Traumatol Arthrosc (2012) 20:2200–2207

Anatomic Femoral Tunnel Drilling in Anterior Cruciate Ligament Reconstruction: Use of an Accessory Medial Portal Versus Traditional Transtibial Drilling

Marc Tompkins, Matthew D. Milewski, Stephen F. Brockmeier, Cree M. Gaskin, Joseph M. Hart and Mark D. Miller
Am J Sports Med 2012 40: 1313 originally published online April 20, 2012

Tek Tünel Anatomik ÖÇB Rekonstrüksiyonu

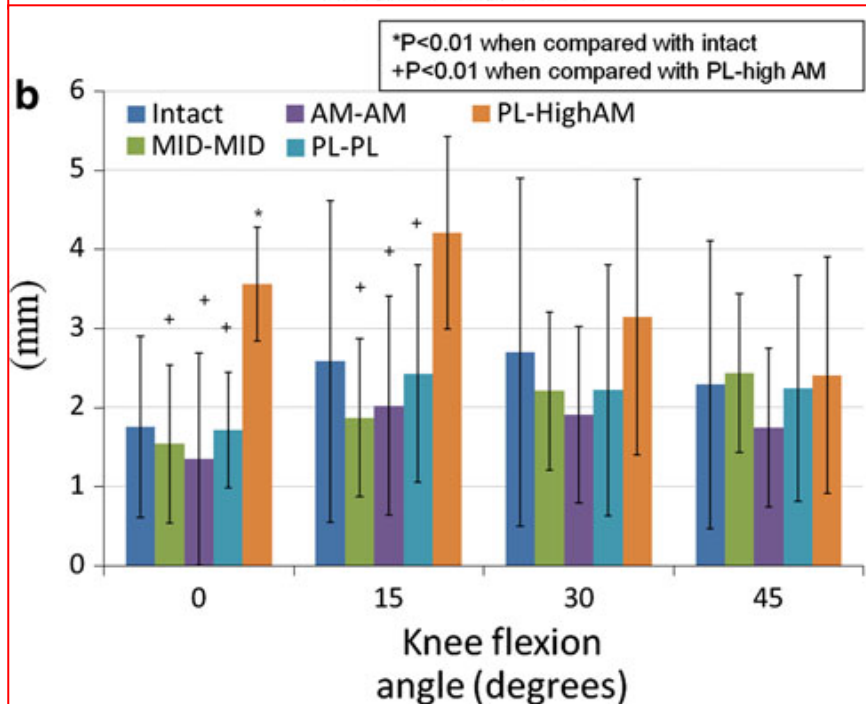
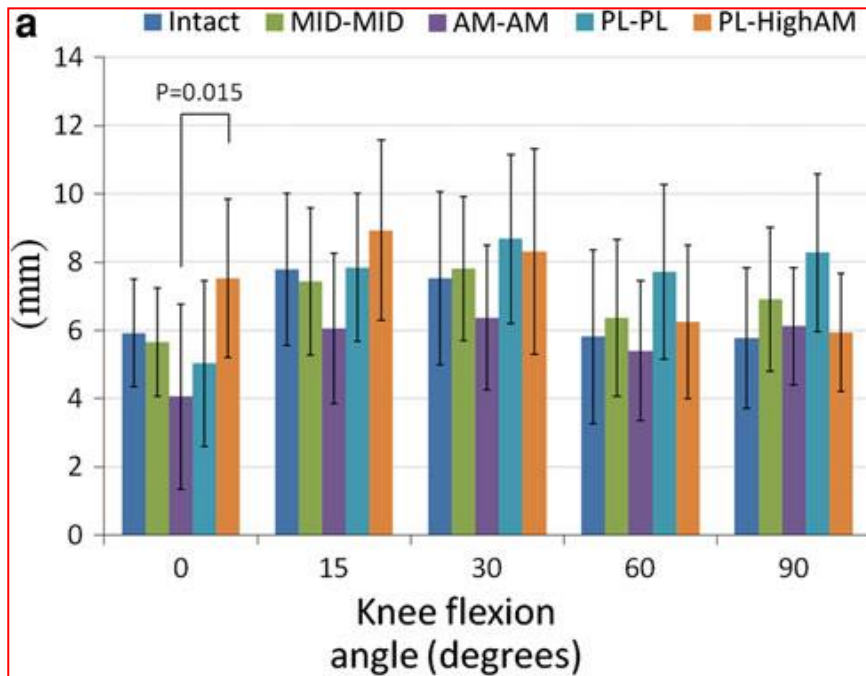
Tünellerin Yeri ?



**Biomechanical comparison of different graft positions
for single-bundle anterior cruciate ligament reconstruction**

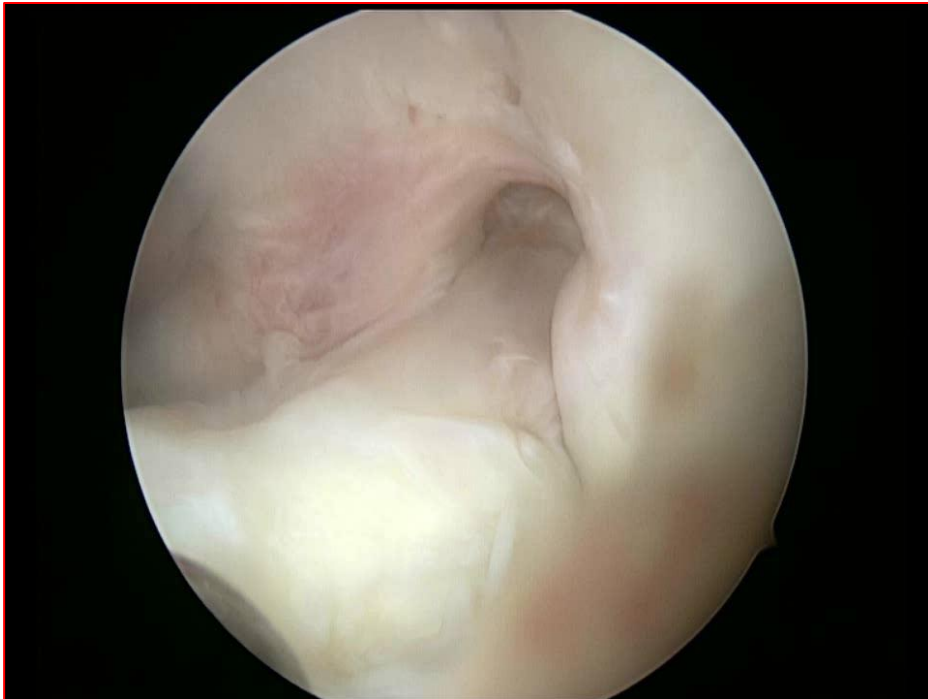
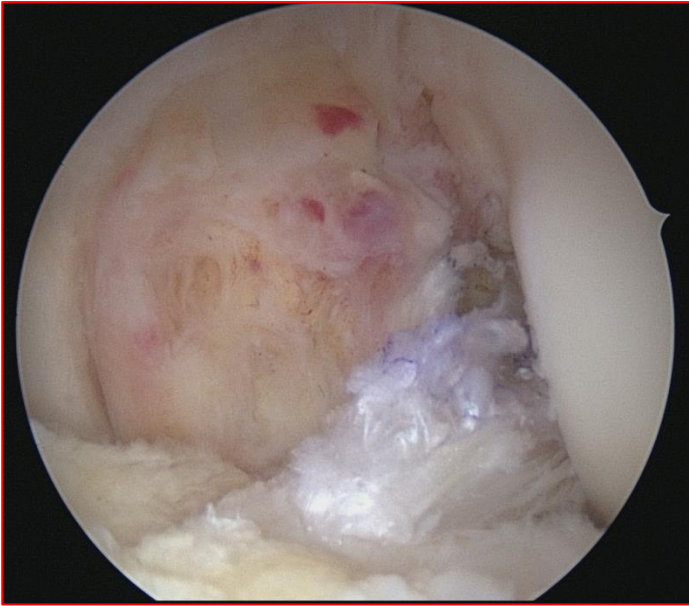
Yuki Kato · Akira Maeyama · Pisit Lertwanich · Joon Ho Wang ·
Sheila J. M. Ingham · Scott Kramer · Cesar Q. A. Martins ·
Patrick Smolinski · Freddie H. Fu

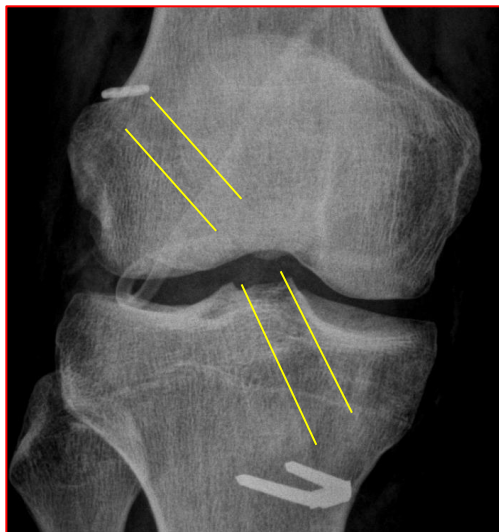
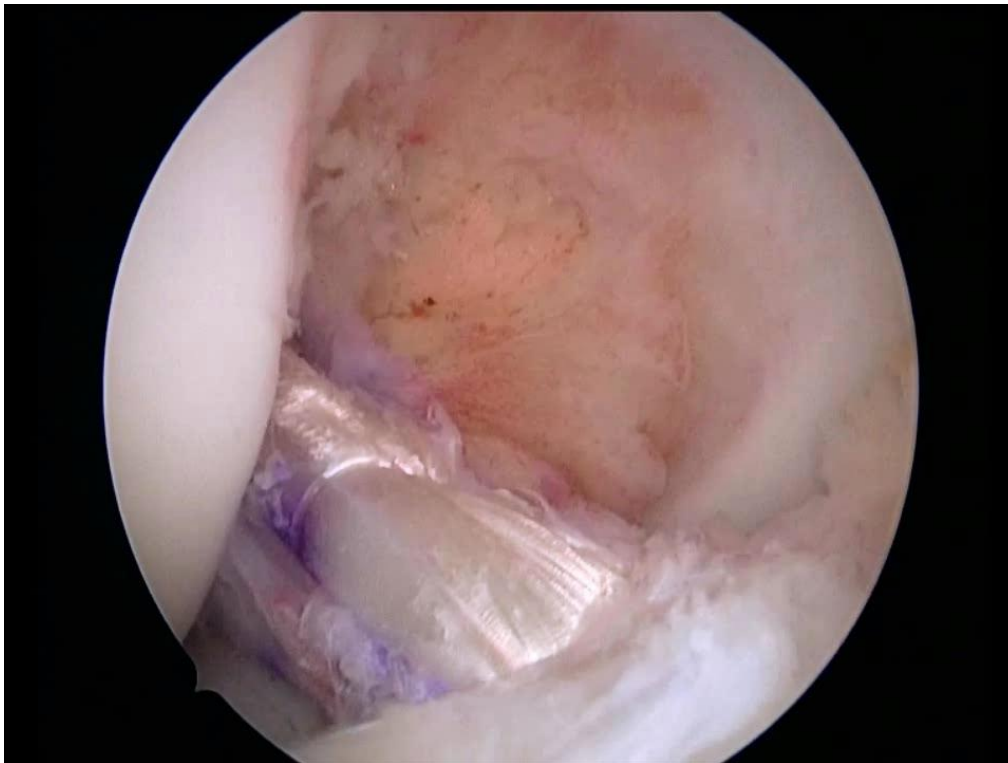
Knee Surg Sports Traumatol Arthrosc (2013) 21:816–823



The in situ force and stability of the intact ACL was most closely reproduced by AM-AM single-bundle ACL reconstruction technique, as compared to the other ACL reconstruction techniques tested.







İLGİNİZE TEŞEKKÜR EDERİM

