

How I do a PCL double reconstruction

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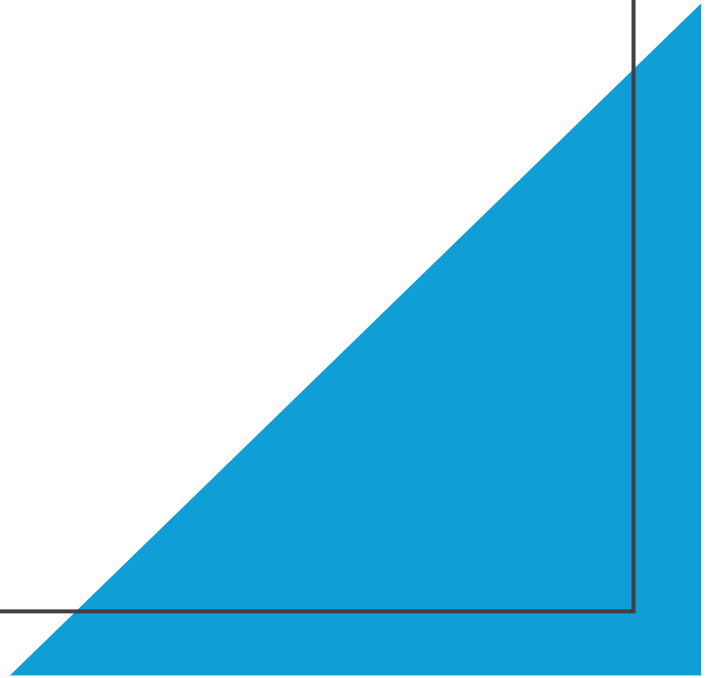


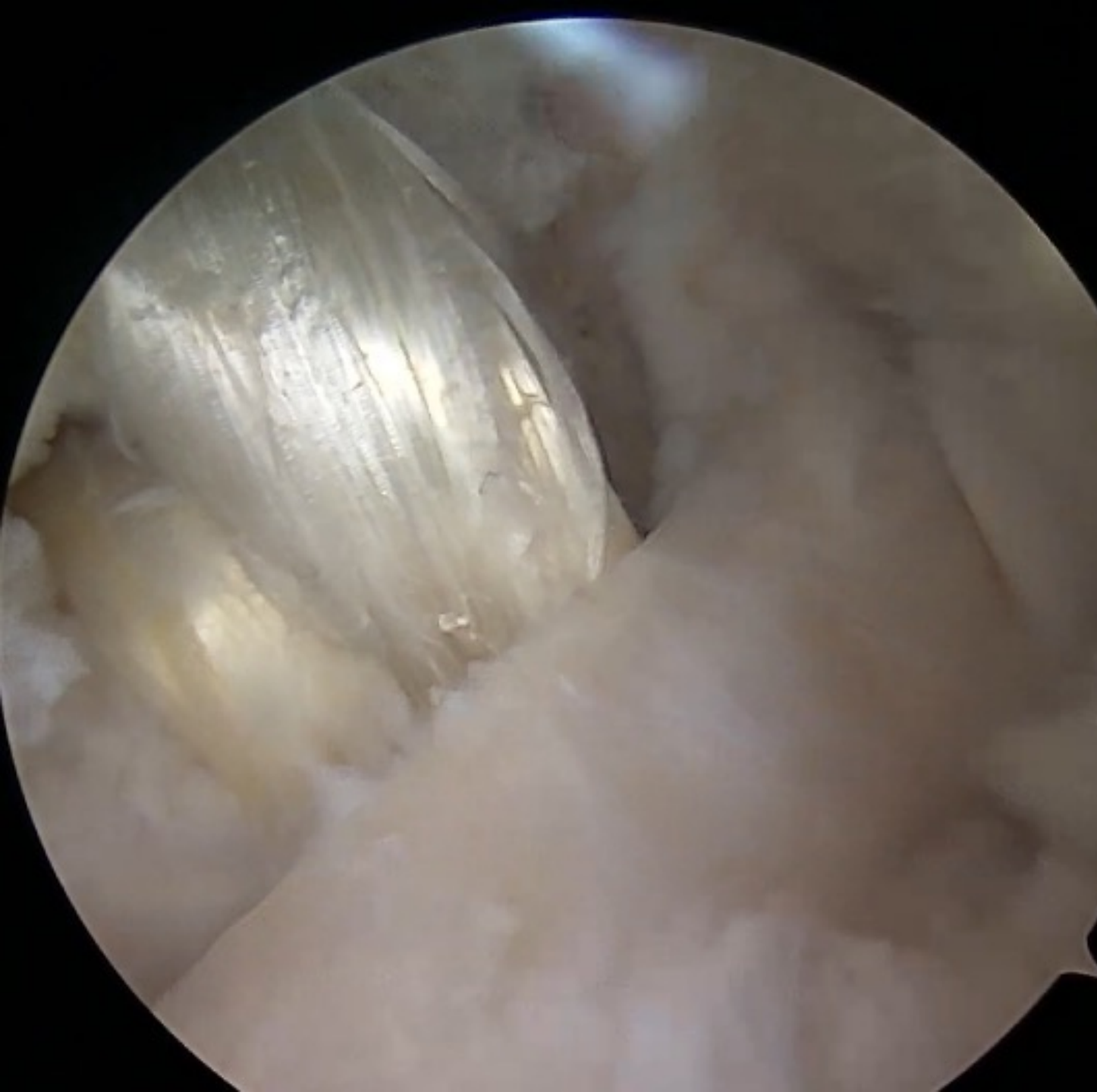
LYON KNEE
SCHOOL of SURGERY

S.ANTY[®]
MEDICAL
INNOVATION
IN MOTION

Disclosure

- Consultant: Arthrex, NewClip Technics
- Royalties: NewClip Technics, X Nov

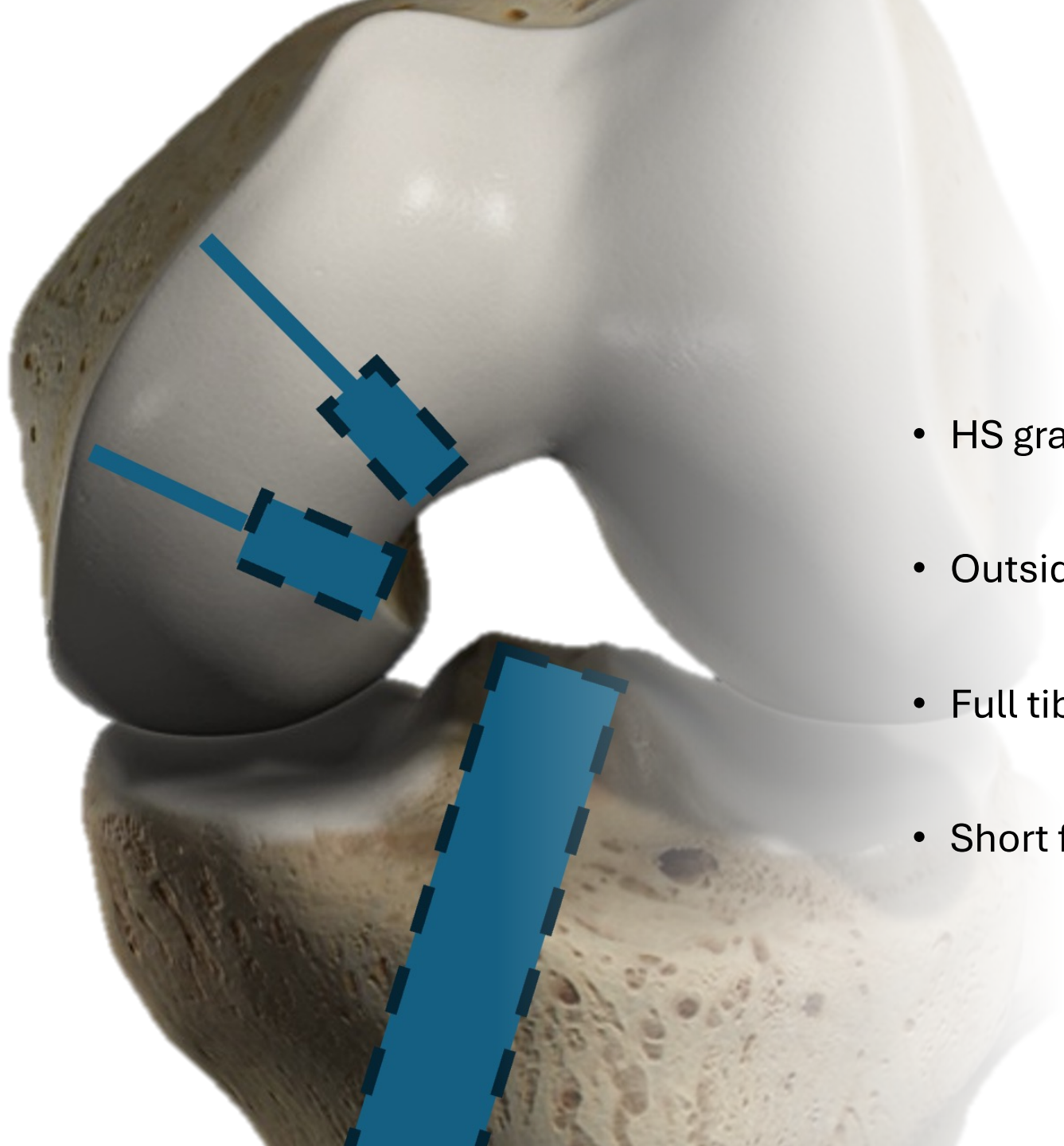




DB PCL reconstruction

- Described to improve knee biomechanics compared to standard SB reconstruction techniques.
- Goal: anatomic reconstruction of AL and PL bundles.
- ALB tight in flexion
- PMB tight in extension.

Van Dommelen, B.A. · Fowler, P.J.
Am J Sports Med. 1989
Girgis, F.G. · Marshall, J.L. · Monajem, A.
Clin Orthop Relat Res. 1975



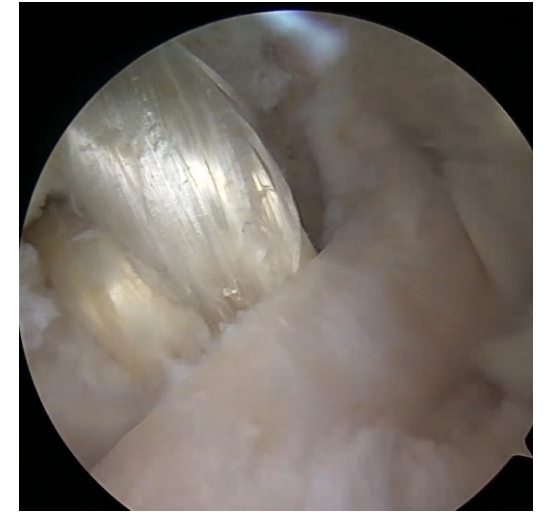
- HS graft
- Outside-in technique
- Full tibial tunnel
- Short femoral tunnels

A close-up photograph of a surgical procedure on a patient's leg. A surgeon's gloved hand is using a surgical instrument to make an incision in the skin. The patient's leg is positioned on a blue surgical drape. The text "Hamstring harvesting" is overlaid at the bottom of the image.

Hamstring harvesting

PCL DB reconstruction

- Biomechanically effective:
Efficient both in extension and flexion
Reduce posterior drawing



Harner, C.D. · Janaushek, M.A.

Am J Sports Med. 2000

Race, A. · Amis, A.A.

J Bone Joint Surg. 1998

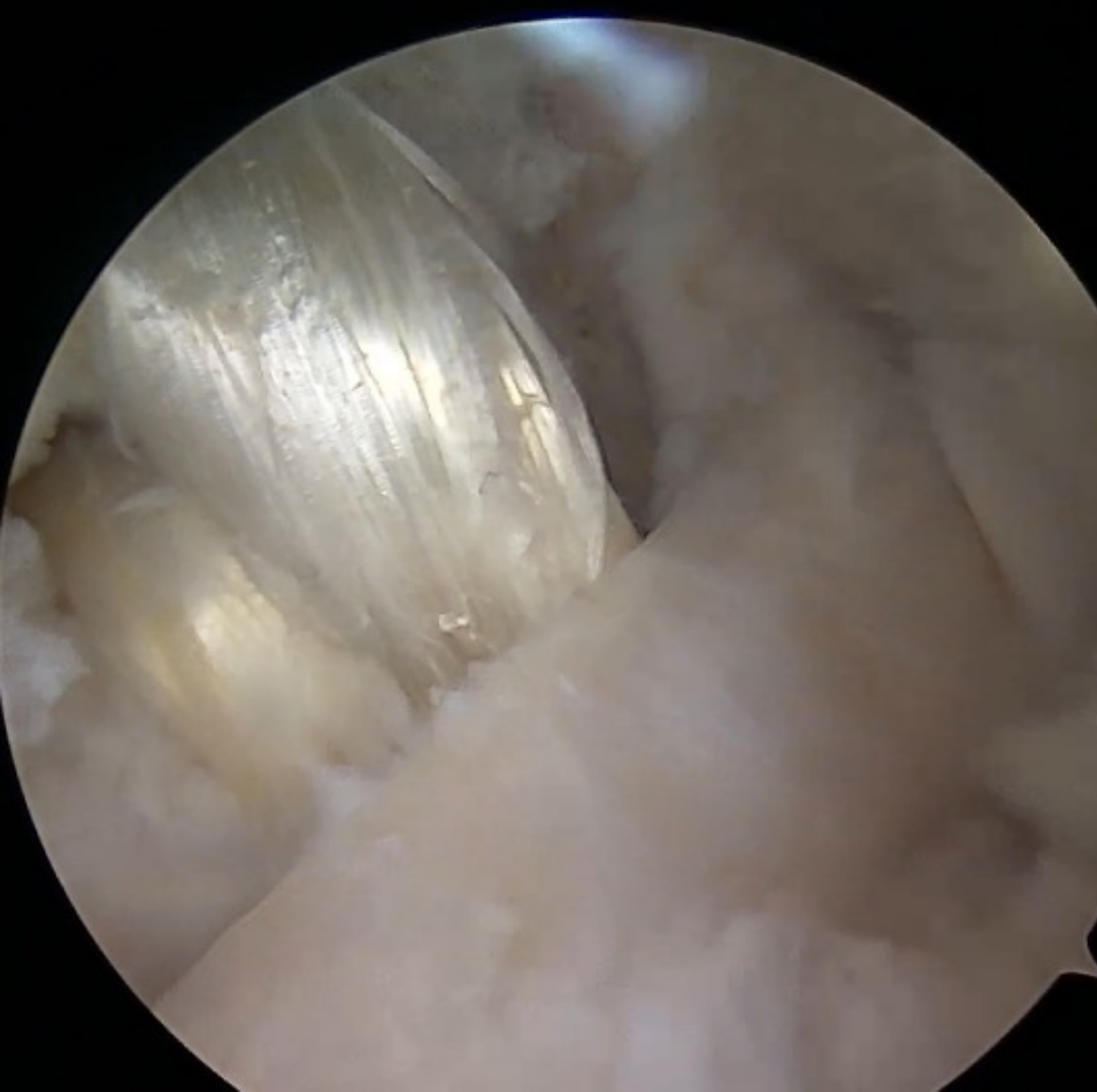
- Clinical results similar to SB reconstruction

Kohen, R.B. · Sekiya, J.K.

Arthroscopy. 2009

Spiridonov, S.I. · Slinkard, N.J. · LaPrade, R.F.

J Bone Joint Surg Am. 2011



PCL DB reconstruction

- Technically demanding:
 - 25% longer
 - Arthroscopic control of deployment of the endobutton

Abed Ali A et al.
Arthrosc Tech. 2024

- Indications: Isolated grade II/III PCL tears

Thank you

