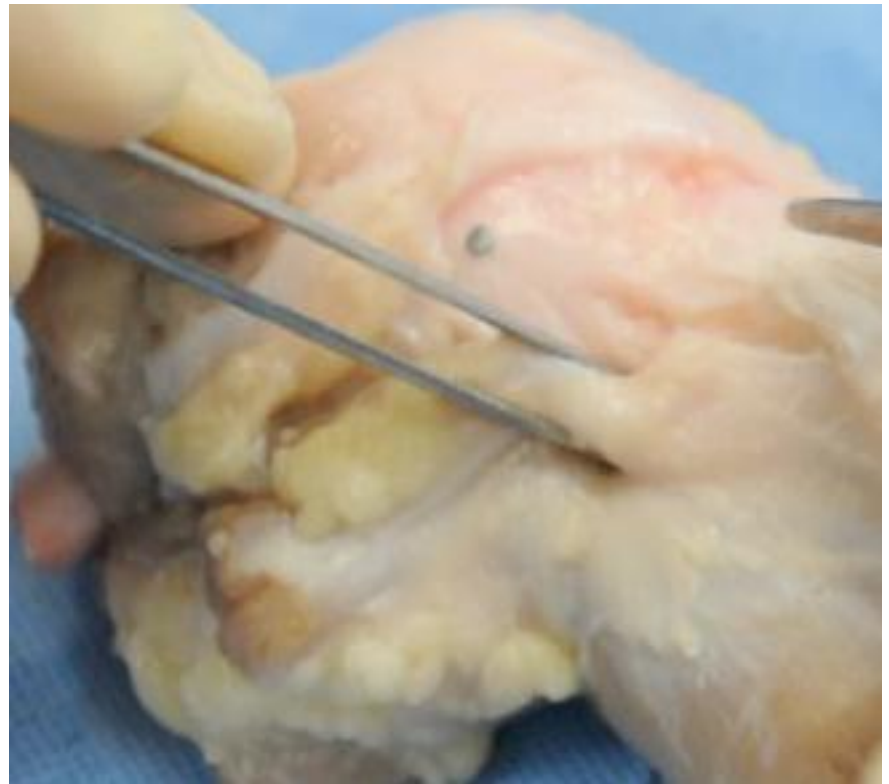


The Anterolateral Ligament of the Knee: An Inconsistent Finding in Pediatric Cadaveric Specimens

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Anterolateral Ligament (ALL)

- Ligamentous structure located at the anterior lateral aspect of the knee capsule
 - Prevents internal rotation
- ALL first described as “Segond’s pearly band” in 1879
- Other terms used to describe this structure
 - Anterior band of LCL, anterior oblique band, etc

Anterolateral Ligament

- Claes et al:
 - 41 adult cadaver knees evaluated for presence of ALL
 - ALL identified in 40/41
 - Courses from lateral femoral epicondyle to proximal tibia between fibular head and Gerdy's tubercle

Purpose

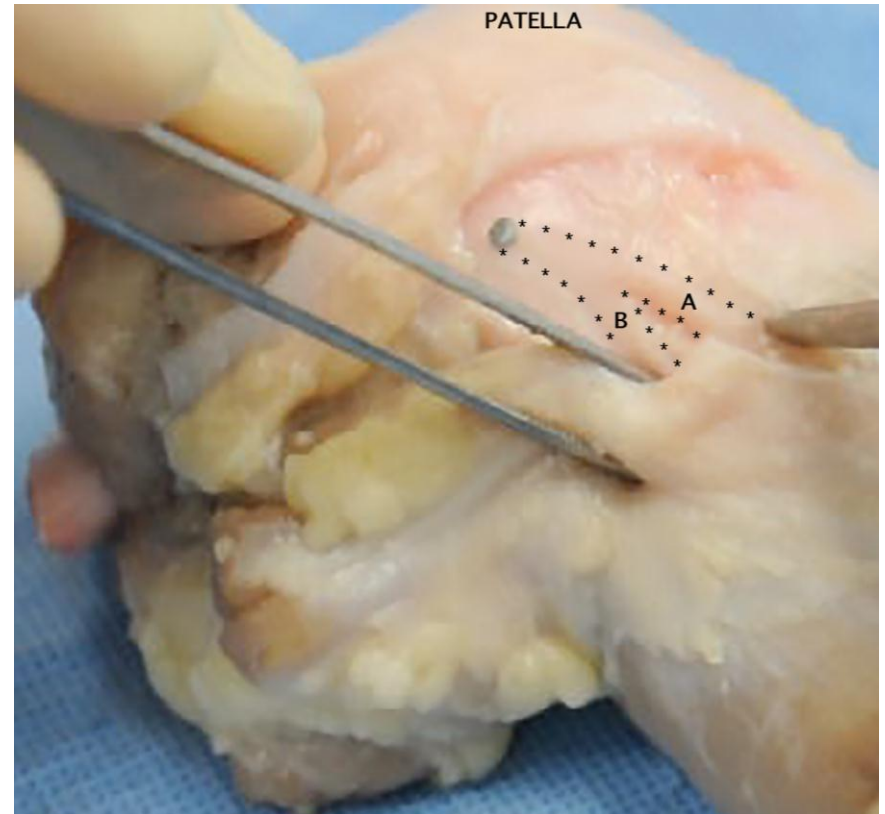
- The purpose of the current study was to:
 - Evaluate pediatric cadaver knees for the presence of the anterolateral ligament
 - Compare these findings to previously published reports of the anterolateral ligament

Methods

- 8 skeletally immature cadaver knees
 - Ages: 3, 4 months; 1, 2, 3, 3, 8, 10 years
- 3 male, 5 female
- 7 right, 1 left
- Presence or absence of ALL evaluated by consensus in a group of fellowship trained pediatric orthopedic surgeons

Results

- ALL identified in only 1/8 specimens
 - 1 year-old female, right knee
- Located in anterolateral joint capsule
- Clearly identified with internal rotation of the knee



Conclusions

- ALL is previously described as a consistent structure in adult knees
- The ALL was identified inconsistently in pediatric cadaver knees
 - Anterolateral joint capsule of the knee

Conclusions

- Future research with a larger sample size should be conducted
- Unsure of the implications of ALL injury to anterior cruciate ligament reconstruction
- Future research should be done to assess the biomechanical significance of this structure

Questions