Trends and outcomes of anterior cruciate ligament injury treatments in children

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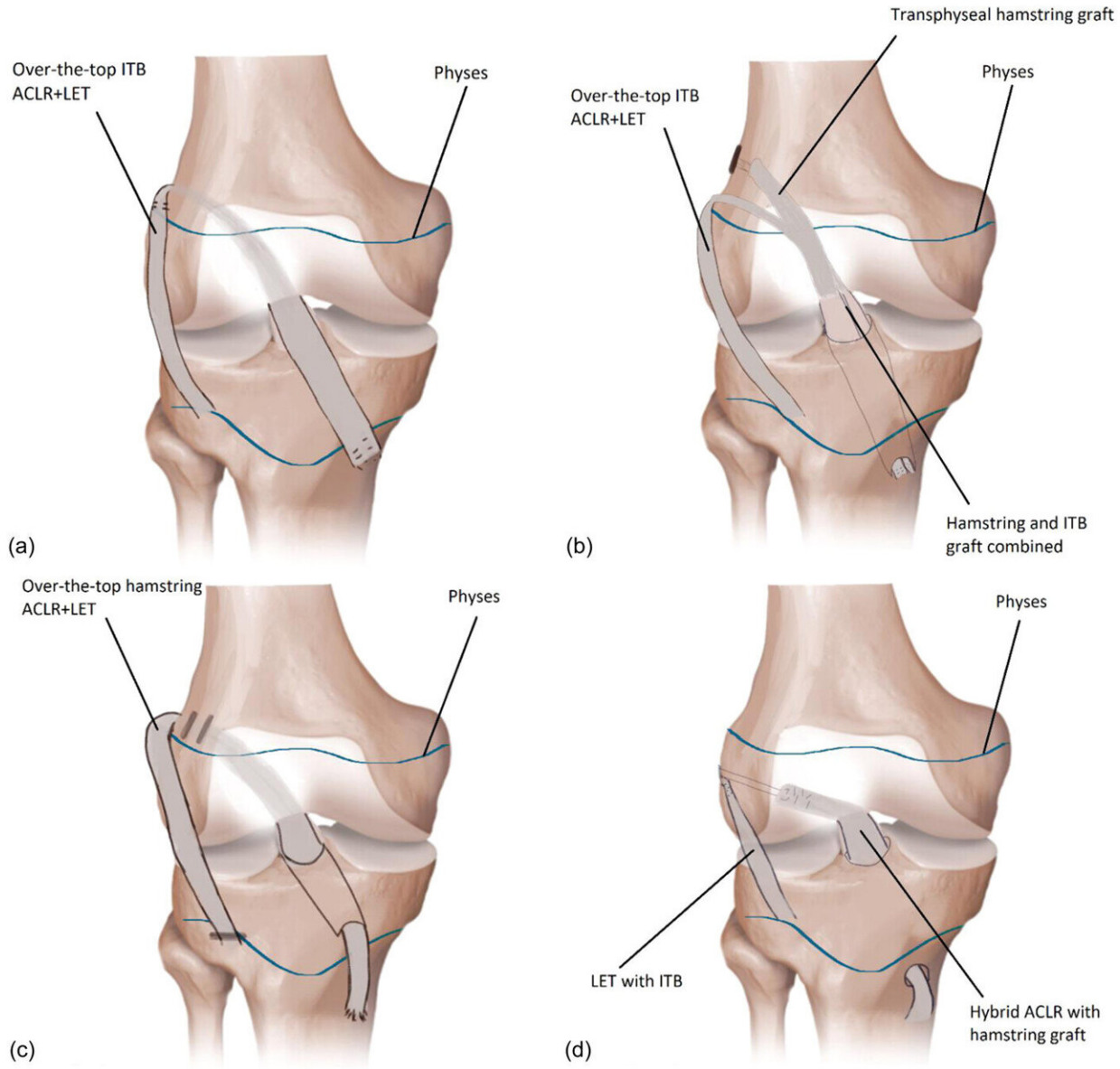

Different techniques of anterior cruciate ligament reconstruction (ACLR) in combination with lateral extra-articular tenodesis (LET). Credit: *Journal of Experimental Orthopaedics* (2024). DOI: 10.1002/jeo2.12012

Anterior cruciate ligament (ACL) injuries have increased in recent decades among children. Because re-injuries after ACL reconstruction are higher in children compared with adults, anterolateral augmentation procedures may reduce re-injury rates after ACL reconstruction in youth.

A comprehensive review published in the *Journal of Experimental Orthopaedics* marks the first attempt to present the outcomes and surgical methods of anterolateral augmentation procedures for skeletally immature patients.

"We found many different surgical techniques of anterolateral augmentation in this population with promising results. Future studies must evaluate the effectiveness and safety of these procedures regarding re-injuries, growth disturbances and overconstraint," said corresponding author Martijn Dietvorst, MD, Ph.D., an orthopedic trauma surgeon at Máxima Medisch Centrum, in the Netherlands.

"We believe that this review will give a complete overview of current techniques and considerations."

More information: Martijn Dietvorst et al, Anterolateral augmentation procedures during anterior cruciate ligament reconstructions in skeletally immature patients: Scoping review of surgical techniques and outcomes, *Journal of Experimental Orthopaedics* (2024). DOI: 10.1002/jeo2.12012

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