



Abstract: Knee lateral extra-articular tenodesis (LET) can be combined with anterior cruciate ligament (ACL) reconstruction with a goal of reducing anterolateral rotatory instability. Like double-bundle ACL reconstruction, LET combined with ACL reconstruction reduces pivot-shift, a subjective test, but results in no significant difference in clinical outcome.

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The knee anterolateral ligament is a hot topic,¹⁻⁴ but clinical study of anterolateral ligament reconstruction is lacking. On the other hand, if we consider knee anterolateral ligament reconstruction to be a variant of knee lateral extra-articular tenodesis (LET), then we must note that LET has been very well studied and, in this issue of *Arthroscopy*, Hewison, Tran, Kaniki, Remtula, Bryant, and Getgood from Fowler Kennedy Sport Medicine Clinic in London, Ontario, present their systematic review “Lateral extra-articular tenodesis reduces rotational laxity when combined with anterior cruciate ligament reconstruction: A systematic review of the literature.”⁵ Hewison et al. searched nine databases for studies comparing anterior cruciate ligament (ACL) with and without LET and found an impressive number of published comparative studies (8 randomized and 21 nonrandomized). ACL combined with LET reduces pivot-shift,⁵ a subjective test, which is notably similar to double-bundle ACL reconstruction.⁶ No differences were found in clinical outcomes,⁵ which is also notably similar to double-bundle ACL reconstruction.⁶

James H. Lubowitz, M.D.
Editor-in-Chief

References

1. Pomajzl R, Maerz T, Shams C, Guettler J, Bicos J. A review of the anterolateral ligament of the knee: Current knowledge regarding its incidence, anatomy, biomechanics, and surgical dissection. *Arthroscopy* 2015;31:583-591.
2. Lubowitz JH, Provencher MT, Brand JC, Rossi MJ. The knee anterolateral ligament. *Arthroscopy* 2014;30:1385-1388.
3. Van der Watt L, Khan M, Rothrauff BB, Ayeni OR, Musahl V, Getgood A, Peterson D. The structure and function of the anterolateral ligament of the knee: A systematic review. *Arthroscopy* 2015;31:569-582.
4. Claes Steven, Luyckx Thomas, Vereecke Evie, Bellemans Johan. The Segond fracture: A bony injury of the anterolateral ligament of the knee. *Arthroscopy* 2015;30:1475-1482.
5. Hewison C, Tran MN, Kaniki N, Remtula A, Bryant D, Getgood AM. Lateral extra-articular tenodesis reduces rotational laxity when combined with anterior cruciate ligament reconstruction: A systematic review of the literature. *Arthroscopy* 2015;31:2022-2034.
6. Mascarenhas R, Cvetanovich GL, Sayegh ET, Verma NN, Cole BJ, Bush-Joseph C, Bach BR Jr. Does double-bundle anterior cruciate ligament reconstruction improve post-operative knee stability compared with single-bundle techniques? A systematic review of overlapping meta-analyses. *Arthroscopy* 2015;31:1185-1196.