

عنوان مقاله:

Functional Outcomes of Anatomic Single Bundle Primary ACL Reconstruction with Peroneus Longus Tendon (Without a Peroneal Tenodesis) Versus Hamstring Autografts

محل انتشار:

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خلاصه مقاله:

Objectives: There is a paucity of comparative studies on the Peroneus longus tendon versus conventional hamstring autograft use in primary single-bundle ACL reconstruction. To date, there are no studies that reported donor ankle functional outcomes when a peroneus longus graft is harvested without performing a tenodesis to peroneus brevis. **Methods:** A single-center retrospective comparative study was undertaken to evaluate the functional outcomes (IKDC & Tegner-Lysholm scores) of primary isolated single bundle anatomic ACL Reconstruction with Peroneus Longus tendon (PL group) versus Hamstring (HT group) autografts. Further, an evaluation of donor ankle morbidity using the AOFAS score for the PL group and persistent anteromedial thigh pain and paraesthesia around the knee for the HT group was also performed. **Results:** 30 patients were evaluated in each group. The mean graft diameter was 8.61 +/- 0.66mm (HT) & 9.6 +/- 0.84mm (PL) and the mean graft length was 7.39cm (HT) & 7.86cm (PL) respectively. The mean IKDC scores were 58.2 (Pre-op) & 89.52 (1 year) for the HT group and 61.8 (Pre-op) & 90.9 (1 year) for the PL group respectively. The mean Tegner-Lysholm scores were 69.83 (Pre-op) & 91.96 (1 year) for the HT group and 70.66 (Pre-op) & 92.36 (1 year) for the PL group respectively. 10% of the HT group had residual anteromedial thigh pain & 6.7% had paraesthesia at one-year follow-up. In the PL group, the mean AOFAS score was 96.37 +/- 2.49 at the end of one year. Two cases (6.66%) reported paraesthesia around the harvested site. **Conclusion:** Peroneus longus tendon appears to be a better autograft choice than hamstrings for primary ACL reconstruction. Further, without a peroneal tenodesis, the functional outcomes of the donor ankle remained excellent. Level of evidence: III

کلمات کلیدی:

ACL reconstruction, Ankle, Hamstring, peroneus longus tendon, tenodesis

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