

언어구분 KOR 논문구분 원저/구연 논문분야 슬관절

논문제목 후방 십자 인대 재건술 환자에서의 관절경 추시 - 아킬레스건 동종 이식
대 혼합 이식(동종 및 자가)의 비교

영문제목 **Second-Look Arthroscopic Assessment of Arthroscopic Single-Bundle Posterior Cruciate Ligament Reconstruction: -
Comparison of Mixed (Allo- and Auto) Graft vs. Achilles
Tendon Allograft**

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서론 : While controversy continues over the choice of graft tissue, including autografts, allografts and synthetic ligaments for posterior cruciate ligament (PCL) reconstruction, the use of mixed graft, that is that is the hamstring (semitendinosus and gracilis) autograft + tibialis anterior allograft tendon, had not been studied in detail.

재료 및 방법 : While controversy continues over the choice of graft tissue, including autografts, allografts and synthetic ligaments for posterior cruciate ligament (PCL) reconstruction, the use of mixed graft, that is that is the hamstring (semitendinosus and gracilis) autograft + tibialis anterior allograft tendon, had not been studied in detail.

결과 : The Lysholm knee scores in groups A and B increased from an average of 43 and 50 preoperatively to 90 and 88 at the follow-up, respectively. The IKDC grade and Tegner activity scores were also significantly improved in both groups. Stability was improved in both groups, with an average posterior laxity of 3.0 mm (Group A) and to 3.3 mm (Group B) at follow-up period ($p>.05$). However, there were four intraoperative complications in group B; two bone fractures and two graft pull-outs during the precyclic tensioning. Second look arthroscopies revealed partial tear in 8 (40%) cases from Group A and 15 (71.4%) cases from Group B ($p=.03$). All of the partial tears were located in the femoral aperture area. Complete synovial coverage was demonstrated in 10 (50%) cases from group A and 5 (23.8%) cases from group B. The clinical outcomes and the stability, however, were not affected by the arthroscopic graft appearance.

결론 : Satisfactory results were obtained for Group A and B in patients who underwent reconstruction for isolated PCL injury. However, four (14.3%) intraoperative complications were encountered during the use of Achilles tendon allograft (group B) with a relative higher rate of partial tear and less synovialization in the femoral aperture area.

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isolated posterior cruciate ligament injury, reconstruction, mixed graft,
Achilles tendon allograft
