SCIENTIFIC PAPER

Short-term Results for Anterior Cruciate Ligament Reconstruction
Using Autologous Hamstring Graft with the Cross-pin Femoral Fixation Technique

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ABSTRACT

Objective: To assess the clinical result of anterior cruciate ligament reconstruction using autologous hamstring graft with the cross-pin femoral fixation technique.

Patients and Methods: In this retrospective study, 30 patients who received anterior cruciate ligament reconstructions were reassessed approximately 65 weeks (average) after reconstruction.

Results: Ninety percent of patients attained normal and near-normal overall International Knee Documentation Committee score after the anterior cruciate ligament reconstruction, with an average improvement of 39.3%. The average postoperative Cincinnati knee score was 81.2. Ninety three percent of patients had side-to-side difference of less than 5 mm as assessed by the KT-1000 arthrometer.

Conclusion: The overall satisfaction rate was excellent for 6 patients, good for 21, and fair for 3.

Key Words: Anterior cruciate ligament, Hamstring, Reconstruction

中文摘要

經股骨針固定自體 繩肌腱十字韌帶重建術之短期臨床報告

佘冠文，潘綺紅，黃月琴，簡家傑

外科手術治理前十字韌帶功能不全在二十世紀發生了很大的演變。因為有良好的骨與骨癒合，髕骨跟腱一向被視為前十字韌帶重建術的標準移植物。但由於該方法容易引起相應侷部部位的併發症，因此自體髕織肌腱移植在前十字韌帶重建術中的應用近年來漸為普及。本院共有三十名前十字韌帶不全的病人利用髕織肌腱為移植物，經股骨針固定，行前十字韌帶重建術。本文回顧我院此手術的短期臨床效果。百分之九十一之人經 International Knee Documentation Committee 等級平定為正常和近乎正常。平均術後膝關節測試為 81.2 分。百分之九十二之病人於術後關節範圍小於 5 毫米。整體術後滿意程度為非常滿意 (6 例)，滿意 (二十一例) 和接受 (三例)。整體臨床效果理想，病人狀況得到明顯改善。