

Anterior cruciate ligament reconstruction combined with valgus tibial osteotomy (combined procedure)

A Boss, Gordian Stutz, C Oursin & A Gächter

We assessed the patients who were operated on in a combined procedure from 1980 to 1992 with anterior cruciate ligament (ACL) insufficiency, cartilaginous lesions of the medial compartment, lesion of medial meniscus and varus malalignment. The combined operative procedure was autologous intra-articular ACL reconstruction with the middle third of the patellar ligament--partially augmented with Kennedy-ligament augmentation device (LAD) in hot dog technique--and high tibial osteotomy. The patients were examined according to the criteria of IKDC including testing of anterior stability with the KT-1000 arthrometer. Radiographically we checked axis and arthritis according to a modified score of Kannus. Twenty-seven of 34 patients who fulfilled the inclusion criteria could be followed up in three categories (2-5 years post-operatively, 5-10 years postoperatively, over 10 years post-operatively). Total qualification was good in 37%; there were no perioperative complications. Rehabilitation was not prolonged. Eighty-nine percent practised their preoperative job, over 50% had a higher level of sports activities than preoperatively, and more than 25% regained their pretraumatic sports capacity. Two-thirds had no giving way and less than 3 mm translation difference in comparison to the contralateral knee. Seventy-five percent of patients would accept the operation again. Radiological findings had no correlation to overall qualification. The encouraging results with respect to many of the criteria suggest using the combined procedure in a young patient with ACL insufficiency, varus malalignment and medial compartment damage including medial meniscus lesion.

| | |
|---------------------------|--|
| type | journal paper/review (English) |
| date of publishing | 0-1995 |
| journal title | Knee surgery, sports traumatology, arthroscopy : official journal of the ESSKA (3/3) |
| ISSN print | 0942-2056 |
| pages | 187-91 |