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COMPARISION OF STRENGTH OF PERONEUS LONGUS HARVESTED ANKLE WITH NORMAL ANKLE

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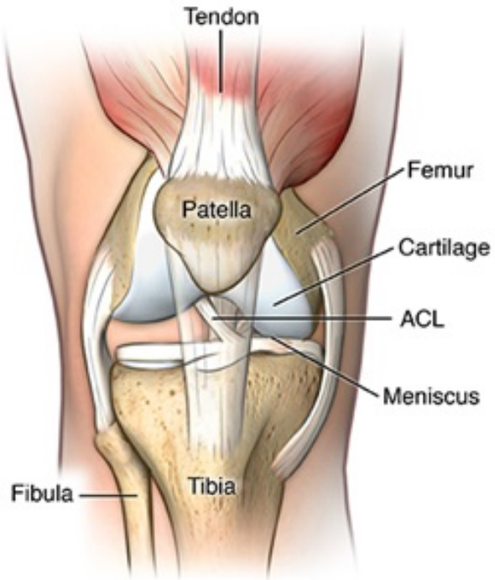
Faculty Disclosure Information

- No Disclosures

INTRODUCTION

- Knee ligament injury are most common ligament injuries among young athletic individuals and motorcyclists either as a individual cruciate ligament injury or associated with collateral ligaments



Normal knee

AIM & OBJECTIVES

- Our aim of the study is to compare the strength of peroneus longus harvested ankle with normal ankle using dynamometer and AOFAS score

Methods and materials

- Type of study : ANALYTICAL CROSS SECTIONAL STUDY
- Sample size : 30
- Study period : 3 yrs

SELECTION CRITERIA

Inclusion criteria

- Patient with any ligament injury
- Willing for Peroneus graft

Exclusion criteria

- Patients who are not fit for Surgery

Study Protocol

- Patient will be selected according to inclusion and exclusion criteria
- The selected patients will be explained about the surgical procedure in detail and consent obtained
- Strength of peroneus longus is harvested using dynamometer
- Values will be recorded and tabulated and evaluated using AOFAS score

Follow up

- Follow up in 1 st and 3rd month of post operative period
- In every follow up look for strength of the ankle using dynamometer
- To assess for functional outcome of the ankle and foot using AOFAS score

RESULTS

- At 3rd month, plantar flexion (83.20 + 11.75) and eversion (47.73 + 8.26) regained its strength similar to the normal ankle where the values were 86.16 + 16.38 and 50.48+ 7.39 respectively.

CONCLUSION

The peroneus longus tendon harvest had same strength, functional improvement and alignment as that of the normal ankle. It is also necessary to do study with long-term follow up.

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