

# NEGLECTED PATELLAR TENDON RUPTURE. RECONSTRUCTION USING ISOLATED GRACILIS TENDON: CASE REPORT

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## INTRODUCTION:

Patella tendon rupture usually occurs before age of 40 especially in person who active in sports. Commonly occur over the proximal part of the tendon. Management for the acute rupture is by direct repair, either by tendon to tendon or tendon to bone. If the rupture was undiagnosed or neglected the condition becomes chronic. Surgery involves reconstruction using graft with or without additional procedure to protect the repair temporarily.

## CASE REPORT:

14 years old boy presented with 4 month history of left knee deformity associated with instability upon ambulation. Patient give history of motorvehicle accident prior to deformity but only seeks for traditional treatment. Examination revealed knee sagging with patella palpable superiorly. There was loss of extensor mechanism.

Patient was then undergone patella ligament reconstruction using isolated gracilis tendon autograft.

Intraoperatively, patella was noted to be situated proximally and unable to oppose the gap. Additional procedure which was quadriceps plasty was done to advance the patella downward.

Post operatively patient was given regular physiotherapy and outpatient clinic follow up. Patient recovered well after 6 month will full weightbearing and full range of motion.

## DISCUSSION:

Extensor mechanism injury divided into patella ligament rupture, patella fracture and quadriceps tendon rupture. Previous studies had proposed multiple technique for reconstruction, either using isolated semitendinosus or together with gracilis tendon, contralateral patellar ligament, tendoachilles tendon or bone-patella tendon-

bone graft depending on the severity of the injury.

Gracilis tendon is commonly used in sports surgery especially in knee ligament reconstruction.

Some authors suggested additional procedure done using wire to protect the repair.

## CONCLUSION:

Patella tendon reconstruction using gracilis graft has shown to have good outcome to the patient despite lack of the reported literature.

## REFERENCES:

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