

## Sub-Periosteal Repair of Tendon Achilles

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### INTRODUCTION:

Tendon Achilles (TA) is the largest tendon in the body and when injured it warrants repair. There are various methods and implants used to address TA rupture however it depends on the soft tissue condition, anticipated post operative complication and cost that factors into choosing the best method and implant

### REPORT:

MR Y whom is a 42 years old laborer sustained a deep laceration wound over the posterior aspect of his ankle and was diagnosed with partial rupture of TA after being involved in an accident. In view of contaminated wound as we were worried of higher chance of wound breakdown, the close proximity of the wound to the plantar aspect of the hindfoot where if TA tendon repair would be done using a button it could lead to pressure necrosis over the plantar aspect of foot, poor socioeconomic status where patient couldn't afford for Fibre Wire repair let alone anchor suture. We decided to proceed for wound debridement and TA tendon repair.

The wound was debrided thoroughly and running repair sutures by Krackow technique along the TA tendon using braided sterile sutures over the proximal stump. In view of the distal stump of TA being just right at the insertion of TA on the calcaneum tuberosity, two holes were drilled onto the calcaneum, and suture passer were used to pass the suture through the distal stump subperiosteally along the calcaneum and repaired. TA tendon repair was tested intraoperatively and appeared stable. Post operatively patient was put on a dorsal slab in line with the TA repair protocol.



### CONCLUSION:

TA Rupture is a challenging injury to deal with as various factors must be taken into account to treat patients and to choose the best choice of implant. Despite all the challenges, one should always repair TA injuries as they have excellent outcome when addressed.

### REFERENCES:

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