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# ***Greens Surgicals Pvt Ltd.***

***SURGICAL TECHNIQUE  
FOR INTERLOCKING TIBIA NAIL***

# STEPS OF OPERATION FOR FEMUR INTERLOCKING NAIL

## Making Opening

Position the patient and reduce the fracture

Incision- 1.5cm above the Tibial Tubercle,  
Length of incision-3cm

Retract the Ligamentum Patellae  
one side or split it vertically

Make an opening above tibial Tubercle  
with diamond pointed curved Awl

## Medullary Cavity Preparation

Insert GUIDE ROD in the proximal fragment. Reduce  
the fracture and proceed it to distal fragment

Put Plastic Medullary Exchange Tube over  
Guide Wire to the Distal Fragment

Remove the Guide Wire and put the  
REAMING ROD (with olive point, 95cm length)

Ream the Medullary Canal with Flexible/Fixed  
Reamer at the steps of 0.5mm difference

Assess the Medullary cavity Diameter

Medullary Cavity  
Preparation

Ream at least 1mm over the Nail diameter or  
preferably 2mm for easy insertion of Nail

Put Plastic Medullary Exchange Tube over  
reaming rod and remove reaming rod

Put Guide Wire and remove  
Plastic Medullary Exchange Tube

## Nail Insertion

Determine the length and diameter of nail to be used

Insert the nail over Guide Wire

Hammer it below the surface of the bone to prevent irritation of Ligamentum Patellae

## Screw Placement

Fix it with Interlocking Bolts with the help of JIGS or free hand

Put the Nail cap to prevent ingrowth of bone inside the Nail to facilitate easy extraction

Close the incision