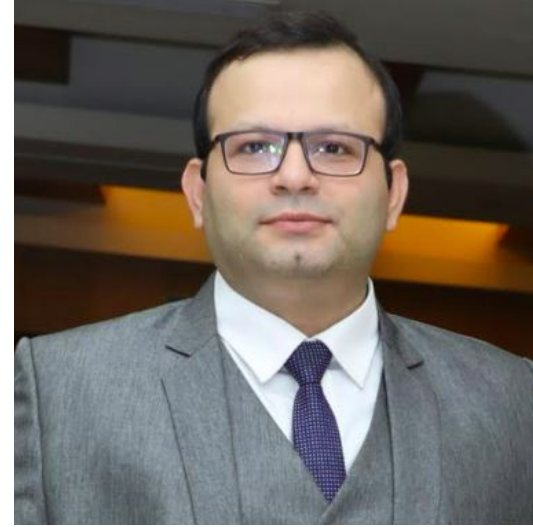


# Live surgery-9

- Case: Malunited calcaneal fracture with subtalar arthritis left ankle
- Procedure: Open distraction subtalar arthrodesis with tricortical iliac crest bone graft left ankle



# BRIEF HISTORY

- 60yr/M
- Complaints of pain over **left ankle** since 5 months
- Alleged history of fall from height (10 feet)
- He took conservative treatment in the form of POP cast for 3 months
- Unable to walk on uneven surfaces
- No known comorbidities

# CLINICAL EXAMINATION

## Left foot

- Gait - antalgic gait with reduced stance phase

- INSPECTION-

1. Swelling over lateral aspect of subtalar joint
2. Forefoot and midfoot - normal
3. Hindfoot in varus
4. Widening of heel

### PALPATION-

1. Tenderness over subtalar joint
2. ROM

Plantarflexion 0-35°

Dorsiflexion 0-20°

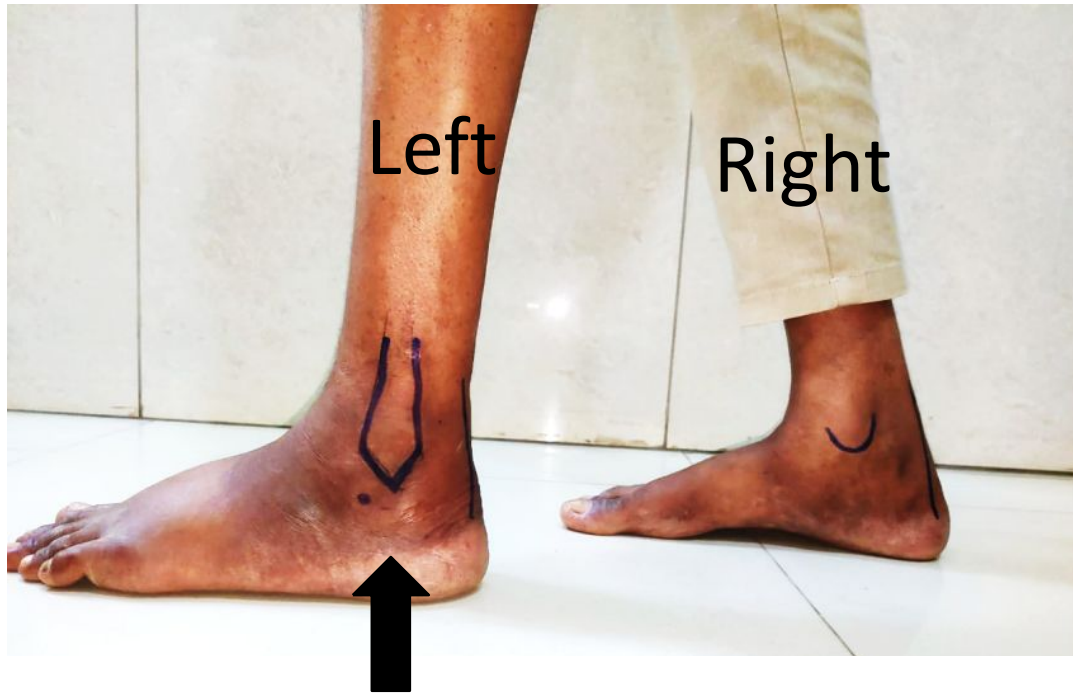
Inversion – restricted and painful

Eversion – restricted and painful

Sensations – intact

No distal neurovascular deficits.

# CLINICAL PICTURES

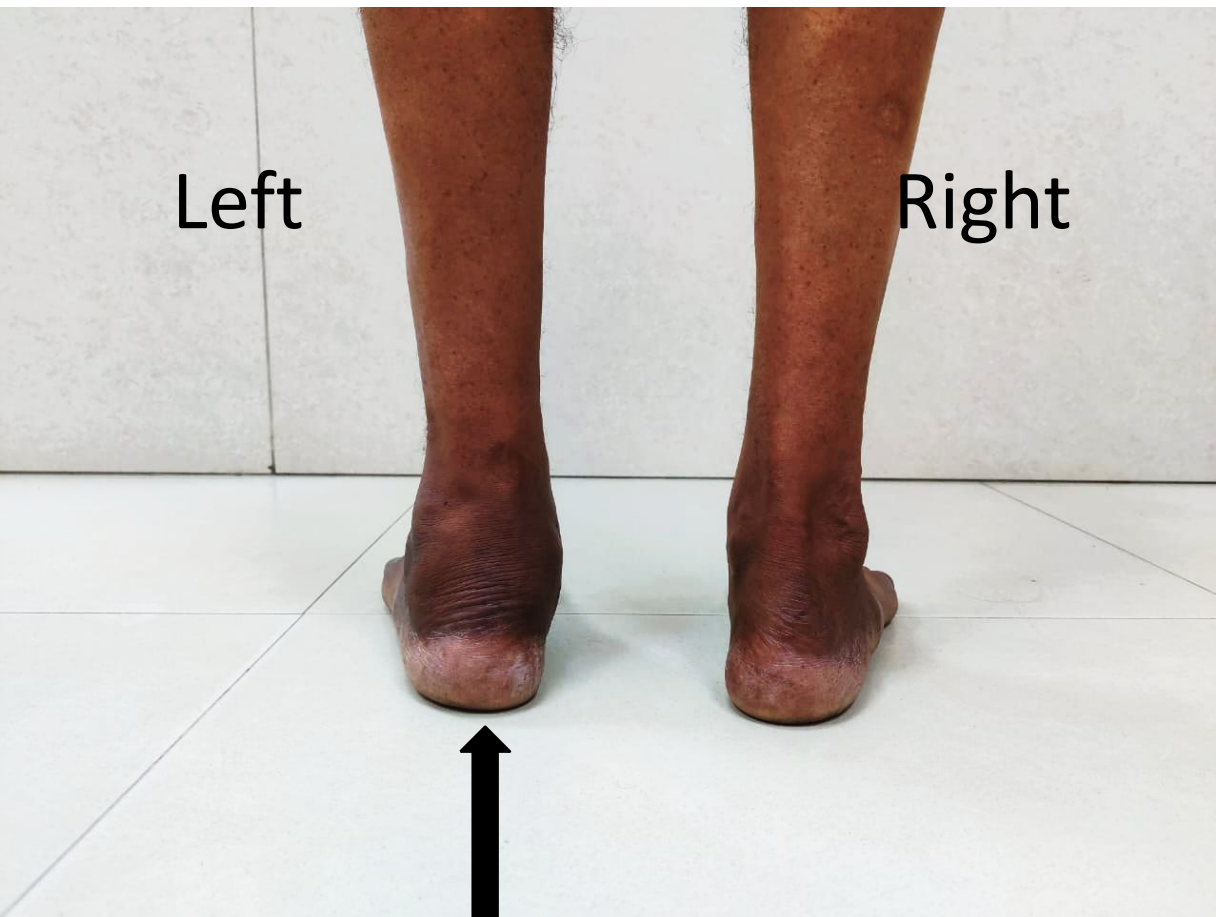


FULLNESS AROUND SUB-FIBULAR REGION



FULLNESS AROUND SUB MALLEOLAR REGION

Left foot affected side



Left

Right



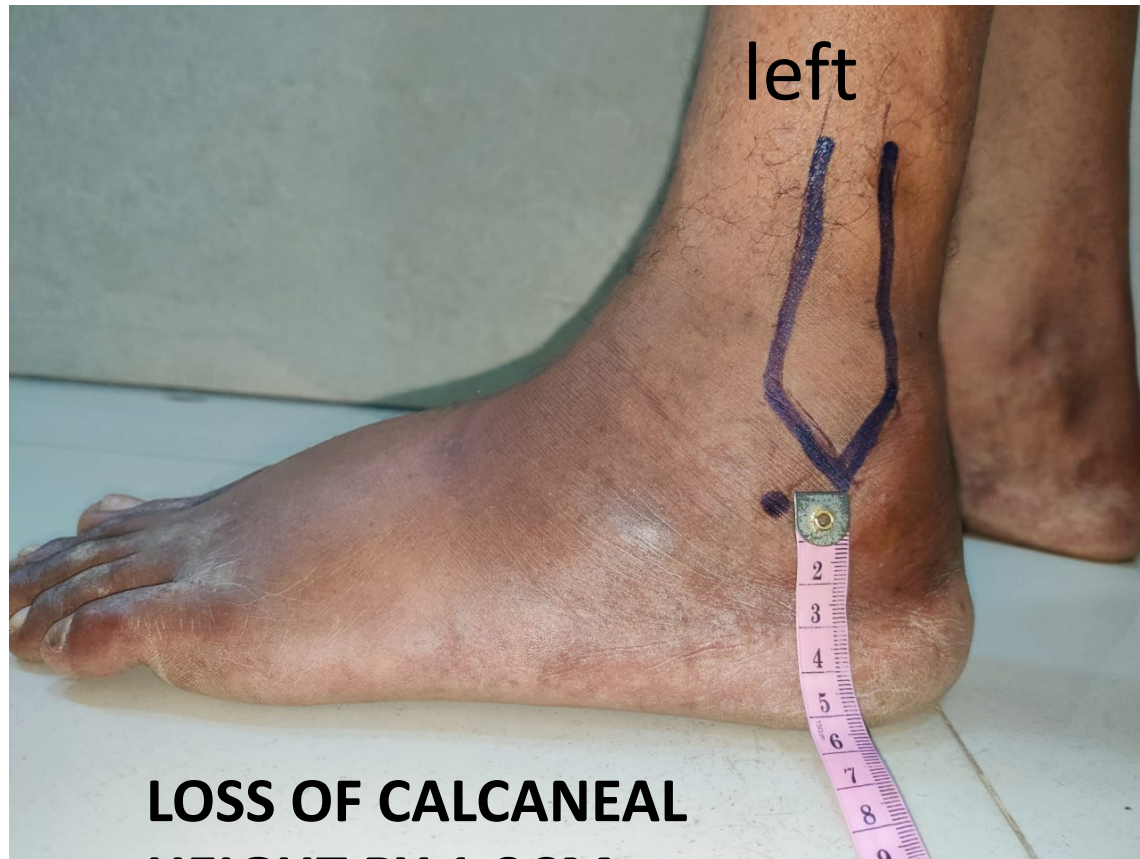
WIDENED HEEL

Left foot affected side



SWELLING OVER  
SINUS TARSI





**LOSS OF CALCANEAL  
HEIGHT BY 1.2CM**



**NORMAL SIDE 6.2 CM**

**Left foot affected side**

# CLINICAL VIDEOS



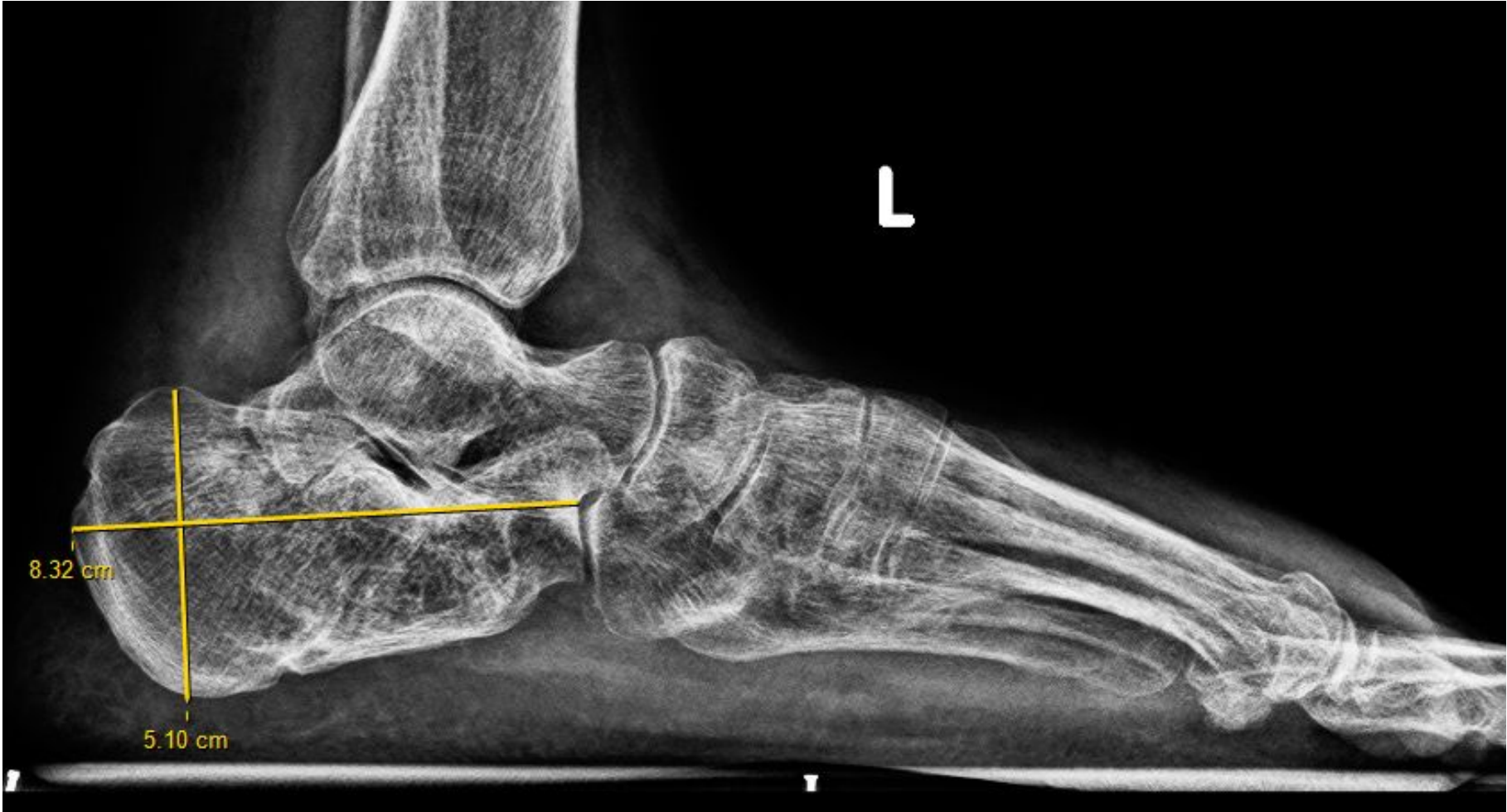
Left foot  
affected  
side

DEPRESSED  
MALUNITED  
POSTERIOR FACET





MAINTAINED CALCANEAL  
TUBEROSITY HEIGHT AND  
CALCANEAL LENGTH



MAINTAINED CALCANEAL  
PITCH





GISSANE CRITICAL ANGLE – 113°  
NORMAL – 120-145°



BOHLER ANGLE – 3.9°  
NORMAL – 25 – 40°





INCREASED CALCANEAL  
WIDTH



HINDFOOT VARUS OF  
18.4°





# Plan –

- Surgeon: Dr Girish Motwani
- Moderators : Dr Rahul Upadhyay, Dr Chandan Narang
- Case: Malunited calcaneal fracture with subtalar arthritis left ankle
- Procedure: Open distraction subtalar arthrodesis with tricortical iliac crest bone grafting left ankle

