# Ortho-SUV in Correcting Neglected Distal Femur Fracture

[1]FF Ten,[2]N Yacob,[1]PFX Kong
[1]Department of Orthopaedics, Sarawak General Hospital ,Kuching, Sarawak
[2]Department of Orthopaedics, Hospital Sultanah Nur Zahirah ,Kuala Terengganu, Terengganu

## Introduction:

Neglected femur fracture is not uncommon and the correction of the deformity can be challenging in restoring the length, axis, and rotation. We describe a case of using Ortho-SUV to correct a case of neglected distal femur fracture.

## Report:

A 36 years-old lady with underlying rheumatoid arthritis on DMARDS treatment presented with procurvatum deformity over the left knee secondary to malunited distal femur fracture. She had an alleged fall 2 months ago, however did not seek medical attention. Ortho-SUV was applied over the deformity and osteotomy done over the preplaned site. Computer-assisted programming was done to calculate the correction required through the hexapod and desired alignment was achieved after 2 weeks of gradual correction. Ortho-SUV was kept for another 6 weeks for callus formation before it was removed and distal femur locking plate applied. Serial radiographs during follow up showed good alignment and bone consolidating.

**Figure 1: Radiographs showing malunited distal femur fracture**

**Figure 2: Ortho SUV application over the deformity**

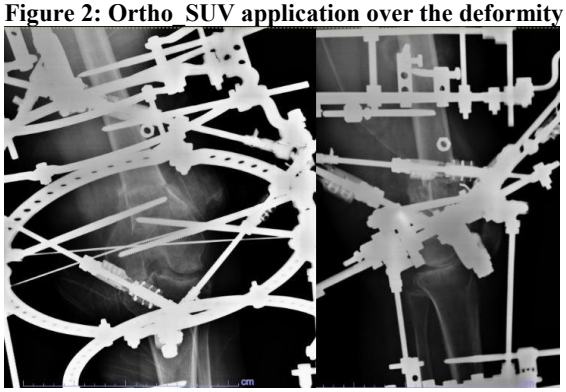

**Figure 3: Post plating of distal femur**

## Conclusion:

Ortho-SUV can be used as one of the methods in correcting deformity as it has the advantages of three-dimensional control of bone segments. Definitive osteosynthesis can be applied after the desired alignment, rotation and length achieved through Ortho-SUV.

## References:

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3. Van Heerwaarden R, et al, correction of femoral valgus deformity. J knee surg.2017