



Complex Ankle Deformity Correction With Software Guided Hexapod Fixator

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Introduction

- It is a software guided realignment device.
- Clinically reliable and efficacious tool.
- Achieves accurate realignment of periarticular deformities.
- Offers simultaneous multidimensional correction.
- Avoid intricacies of conventional maneuvers and simplifies task of deformity correction.



Objectives

- The goals are maximum correction with minimal bone resection and the establishment of a functional, pain-free, and plantigrade foot with good mobility.

Case Presentation

- A child with post traumatic varus deformity of foot presented to LNH.
- Full assessment of patient done and patient planned for operative management.

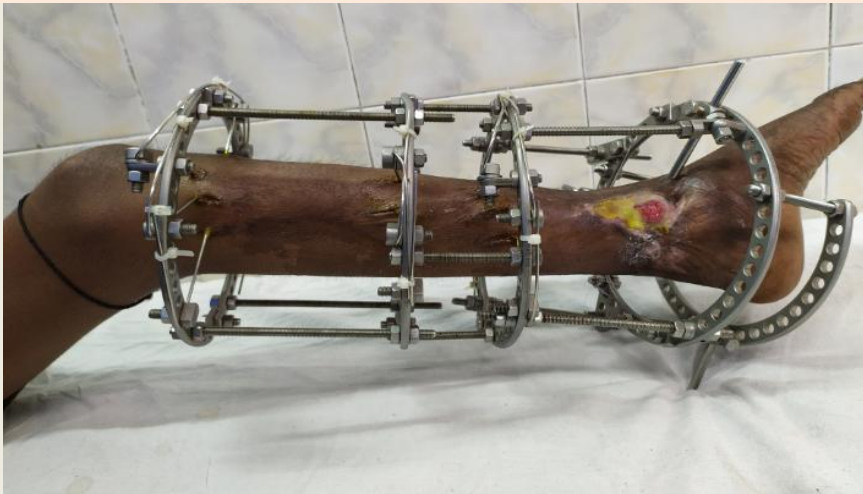


Operative Procedure

- Supramalleolar osteotomy with fibular epiphysiodesis was done in the affected limb.
- With corticotomy using 1 cm incision.
- Gradual correction was done with distraction and computer software assisted planning.

Results

A modified ilizarov method combined with soft tissue release and/or osteotomy enabled good correction of rigid deformity.



Discussion

- The ilizarov procedure is selected for complex foot deformities to maintain foot length in the process of deformity correction.
- It is less invasive
- It allows for simultaneous correction of all components of deformity without bone resection or foot shortening.
- Soft tissue viability and function can be assessed directly and rate of correction can be adjusted.



Conclusion

With gradual correction good functional and radiographic results can be obtained from Ortho SUV

References

Munetomo Takata, Victor A. Vilensky, Hiroyuki Tsuchiya et al. The Journal Of Foot And Ankle Surgery 52 (2013) 324-330

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