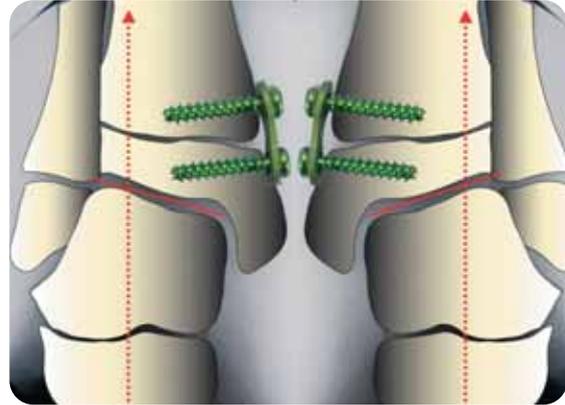


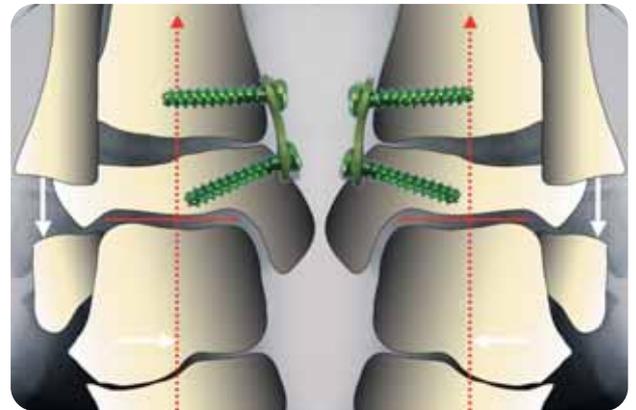
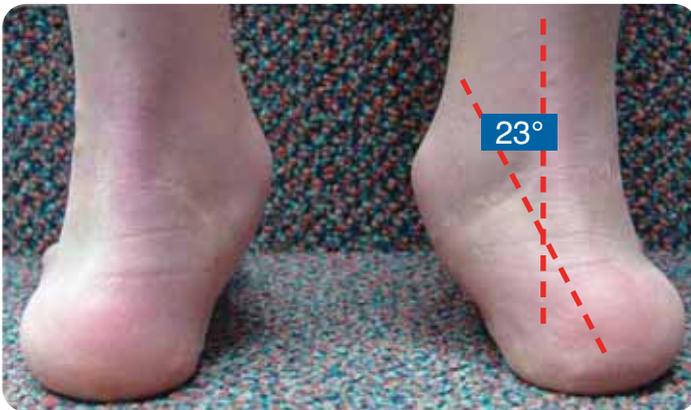
# Developmental or Neurological Ankle Valgus

Case study provided by Peter M. Stevens, M.D., University of Utah

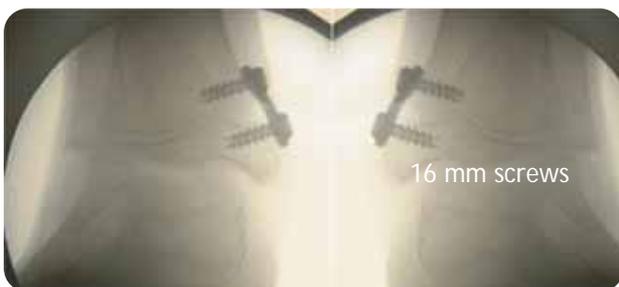


Conditions Including:

- Cerebral Palsy
- Spina Bifida
- Down's Syndrome
- Multiple Epiphyseal Dysplasia
- Congenital Clubfoot
- Ball & Socket Ankle



6 yrs. after Posteromedial Release for TEV



12 mm plates with 16 mm screws



Diverging screws function like a hinge, avoiding physis compression.

## Operative Brief



1. Insert K-wire in physis and verify position with fluoroscope.



2. Apply conformed eight-Plate over K-wire.



3. Insert two K-wires: one into the epiphysis and one in the metaphysis.



4. Drill only to 5 mm depth with the 3.2 mm cannulated drill bit and insert 16 mm or 24 mm eight-Plate Guided Growth Screws.

Operative brief and case studies provided by Peter M. Stevens, M.D., University of Utah

### Hemi-Epiphysiodesis and Guided Growth References

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- Hemiepiphysiodesis for Posttraumatic Tibial Valgus  
P. Stevens, Felicity Pease, J. Pediatr. Orthop.,  
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- Guided Growth for Angular Correction  
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- Guided Growth for Angular Correction: A Preliminary Series  
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- Eight Plate for Temporary Hemiepiphysiodesis to Correct  
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### Indications

The eight-Plate is indicated for any angular deformity in a growing child/adolescent who would otherwise require an osteotomy.

### Contraindications

The eight-Plate should not be used for adult deformities or where the growth plate has closed because of trauma, infection or skeletal maturity.

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