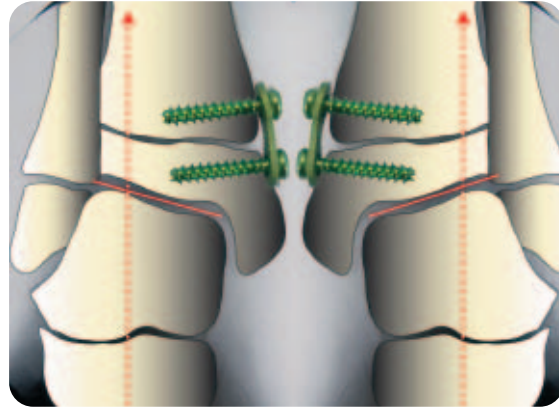
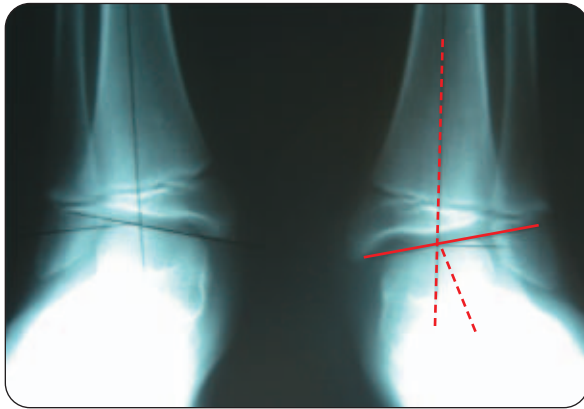


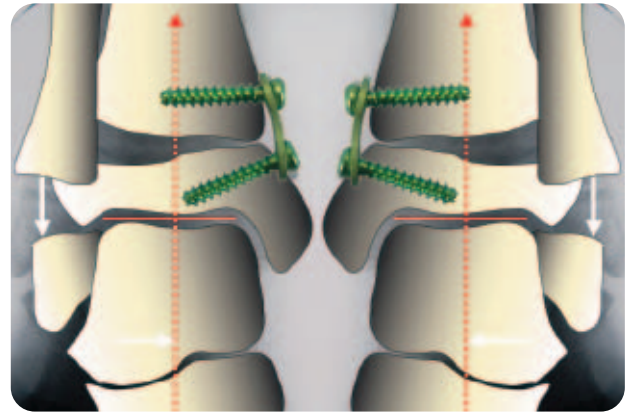
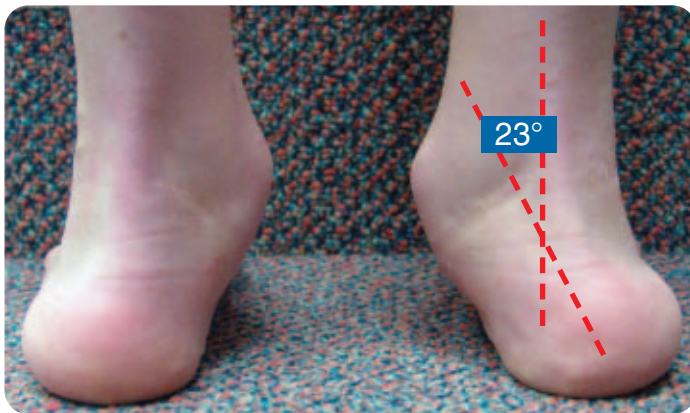
# Developmental or Neurological Ankle Valgus

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

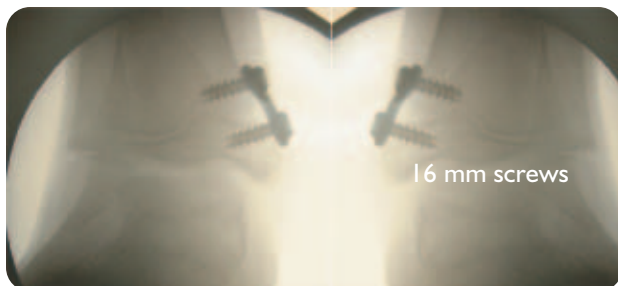


Conditions Including:

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

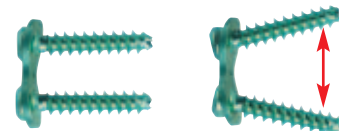


6 yrs. /p Posteromedial Release for CEV



16 mm screws

12 mm plates with 16 mm screws

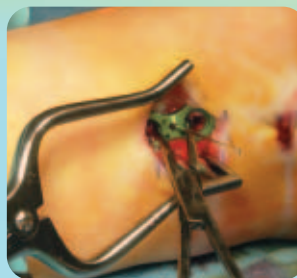


Diverging screws function like a hinge to avoid physis compression.

## Operative Brief



1. Insert localizing pin in physis and verify position with fluoroscope.



2. Apply conformed eight-Plate over pin.



3. Insert two parallel guide pins: 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 self tapping, cannulated screws

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

### Hemi-Epiphysiodesis and Guided Growth References

- Hemi-Epiphysiodesis for Deformity Management  
P. Stevens, Abstract, IPOS, Orlando, FL, USA, 12/03/2005
- Hypophosphatemic Rickets: The Role of Hemi-epiphysiodesis  
E. Novais, MD and P. Stevens, MD, J. Pediatr. Orthop.,  
Vol. 26, No. 2, March/April 2006
- Hemiepiphysiodesis for Posttraumatic Tibial Valgus  
P. Stevens, Felicity Pease, J. Pediatr. Orthop.,  
Vol. 26, No. 3, May/June 2006
- Guided Growth for Angular Correction  
Peter Stevens, Abstract, POSNA, San Diego, CA, USA,  
May 3-6, 2006

### 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, such as due to trauma, infection or skeletal maturity.

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