



eight-Plate® GUIDED GROWTH

eight-Plate®
Guided Growth System

A Straight Answer for Kids.

No Casting | No Physical Therapy* | No (or Reduced) Osteotomy



The extra-periosteal eight-Plate uses the robust growth potential of a child's physis to gently correct and maintain alignment, avoiding the limitations associated with traditional implants.

Not an actual patient
* Unless other existing conditions require it


ORTHOFIX®
Orthopedics International

GUIDED GROWTH WITH THE EIGHT-PLATE CORRECTS DEFORMITIES TYPICALLY WITHOUT OSTEOTOMIES

Applications

The Guided Growth Technique with the eight-Plate may be used for any growing child or adolescent (age range 18 months to 17 years) with any angular deformity, regardless of etiology.

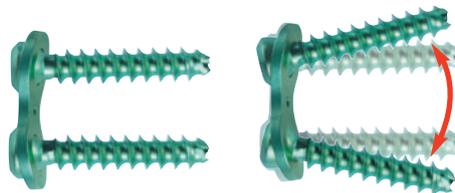


Benefits To Surgeons

- Simple, minimally invasive technique
- Learning curve = 1 to 2 cases
- Addresses multiple / complex deformities simultaneously
- Modular correction - repeat as indicated

Benefits To Patients

- Outpatient procedure - minimal impact on school / work schedule
- Reduced surgical pain / risks
- Immediate mobilization / rehabilitation
- Flexible implant will tether (not compress) the physis allowing more rapid correction



Diverging screws function like a hinge to avoid physis compression.

REVIEW OF CASES

Prof. Peter M. Stevens, M.D. - Salt Lake City, Utah

Cases were performed as part of an IRB Approved Study with implantation between 4/04 and 4/05.

Purpose

- Determine if hemi-epiphysiodeses using a plate is safe, reliable, and reversible
- Determine the age criteria
- Determine for which diagnoses this method is applicable

Patient Demographics

- N = 34 patients with genu varum / valgum
- N = 65 segmental deformities
- Age 19 mos. to 17 years
- Weight 14 kg. to 150 kg.
- Duration plate(s) = 6 to 18 mos

Study Conclusions

- Hemi-epiphysiodeses with a plate is safe, reliable, and reversible
- Permits deformity correction at or near the CORA(s)
- Directional control may be frontal, sagittal, or oblique
- Addresses multi-focal and bilateral deformities simultaneously
- Is applicable for any age group and any diagnosis
- The extraphyseal eight-plate acts as a tension band
- These patients might otherwise have had 64 osteotomies

The safety, comfort and cost / benefit ratio clearly favour the eight-Plate.

Deformity Correction

- Full correction 32/34 patients – plate(s) removed on average at 11 months
- Pending correction 2/34 patients – awaiting further correction /c growth
- Anticipated osteotomies 1/34 (1 patient with adolescent Blount's disease)
- "Rebound" repeat plating will depend upon further growth / follow-up

Diagnosis	Patients	Deformities
Idiopathic	20	43
Skeletal dysplasia	2	8
Blount's	4	4
Limb deficiency	3	5
Trauma	3	2
Rickets	1	2
Other	1	1

9 $\frac{1}{2}$ -Year-Old Male with Multiple Hereditary Exostoses and Bilateral Genu Valgum



John E. Herzenberg, M.D.
Rubin Institute for Advanced Orthopedics
Sinai Hospital, Baltimore, Maryland

CLUBFOOT AND EQUINOVARUS CORRECTION

A 9 year-old male who had undergone multiple prior surgeries for clubfoot presented with the main issue of equinus foot. At 19 months post eight-Plate treatment, he had achieved plantigrade foot and the plates were removed.



BLOUNT'S DISEASE

12-Year-Old Male Presenting With Rapid Onset Of Progressive Bowing Of Right Knee



Pre-operative
Tibia Vara



Deformity corrected /p 12 months
eight-Plate removed

Case provided by: Christopher Iobst, M.D.
Department of Orthopedic Surgery
Miami Children's Hospital, Miami, FL

SCREW and IMPLANT BOX

4.5 mm Color Coded Cannulated Screws

Purple=16 mm, Green= 24 mm, Light Blue = 32 mm



Color Coded Plates

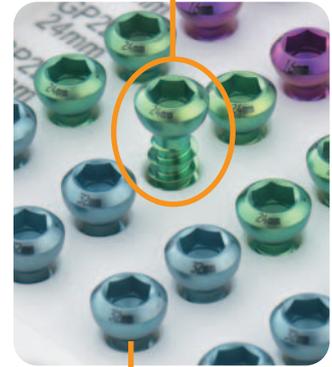
Two plates per Slot
Green = 12 mm plate
Blue = 16 mm plate

Color Coded Solid Screws

Dark Blue = 24 mm
Gold = 32 mm

Measurement Guide

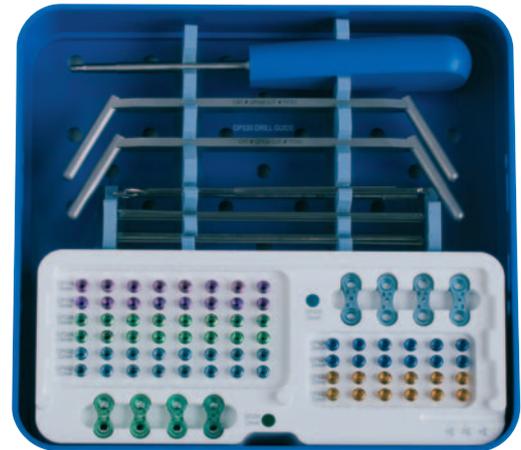
No misplaced screws - all screws have dedicated holes with matching depth



Slightly elevated seat for ease of removal

Ordering Information

Code	Description	Length
GP200CE	eight-Plate Guided Growth Plate	12 mm
GP400CE	eight-Plate Guided Growth Plate	16 mm
GP116CE	eight-Plate Guided Growth Screw	16 mm
GP224CE	eight-Plate Guided Growth Screw	24 mm
GP432CE	eight-Plate Guided Growth Screw	32 mm
GP624	eight-Plate Solid Screw	24 mm
GP632	eight-Plate Solid Screw	32 mm
GP520CE	Cannulated Drill Bit, 3.2 mm Dia.	
GP510CE	Screwdriver, eight-Plate 3.5 mm cannulated	
GP530CE	Drill Guide	
GP540CE	K-Wire, 1.6 mm Dia.	
GP200KCE	eight-Plate, Guided Growth Plate Kit, includes 12 mm eight-Plate and 24 mm screws, non-sterile	
GP400KCE	eight-Plate, Guided Growth Plate Kit, includes 16 mm eight-Plate and 32 mm screws, non-sterile	
GP700	Steri-Tray Kit	
GP701	Empty Steri-Tray	



Your Distributor is:



Deformity Correction | Trauma | Pediatrics | Bone Growth Stimulation