*1st International Congress on*
*Early Onset Scoliosis & Growing Rods*
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# *Rebuttal*
# VEPTR vs. Growing Rods Non-Congenital

**George H. Thompson, M.D.**
**(Growing Rods)**
**Cleveland, OH**

# Growing Rod Techniques in Early-Onset Scoliosis

Thompson GH, Akbarnia BA
Campbell RM, Jr
J Pediatr Orthop 2007; 27: 354-361

# VEPTER in Non-congenital EOS

16 pts with EOS without fused ribs or congenital scoliosis

9 females; 7 males

Follow-up 4.3 yrs (2-8.8 yrs)

Mean procedures 9.3 / pts

Mean curve

- 77 ° preoperative
- 40 ° immediate postoperative
- 39 ° last follow-up (34%)

SAL

- 90% preoperative
- 100% postoperative, last F/U

PFT (9 pts)

- MVC 61% (21-117%) postoperative

Complications – 10 pts (63%) / 19 complications

| | | |
|---|---|---|
| • Implant migration | 11 | 31% |
| • Device breakage | 3 | 19% |
| • Postoperative infection | 3 | 19% |
| • Skin slough | 2 | 13% |
| • Neurologic injury | 0 | 0% |

# “Opinion” Based Surgery

***Growing rods better than VEPTR for non-congenital spinal deformities***

**Avoids surgery on a potentially normal chest wall**

**Better biomechanical stability**

- **Spine rather than rib**
- **Theoretical better correction**


Thank You