Scoliosis Surgery
Comparing modern surgical techniques for scoliosis treatment

Meet the Doctor

Daniel G. Hoernschemeyer, MD is an assistant professor of orthopaedic surgery. He is a member of the Pediatric Orthopaedic Society of North America. Dr. Hoernschemeyer completed a fellowship in pediatric orthopaedic surgery and spinal deformity at Johns Hopkins University. In addition to serving the general orthopaedic needs of young patients, Dr. Hoernschemeyer and his staff offer specialized care for a full range of pediatric spine problems.

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VBT:
• Titanium pedicle screws placed on the outside of the scoliotic vertebral bodies
• Polyethylene-terephthalate (PET)* flexible cable connects and compresses the adjacent screws to help straighten
• Allows the spine to grow and remain flexible
• One-time surgery
• No lengthening required
• Can be used with lumbar staples (VBS)
• Can do later fusion if needed

IMPORTANT: The device used for VBT is not yet approved by the Food and Drug Administration (FDA) for use in scoliosis (the device is approved for lumbar fusions in adults with degenerative disorders). Use of the device in the VBT is therefore considered a physician directed alternative usage of an already FDA-approved device. This type of use is also known as “off-label”. Due to the fact that the VBT device is an off-label use, patients should know that the FDA has not concluded that the device is safe and effective for treatment of scoliosis. Your physician will explain to you how the device will be utilized and any risks involved in off-label usage.
**FUSION VS TETHERING**

**FUSION**

15-YEAR-OLD male undergoing scoliosis treatment via PSF. He is an active basketball, football, baseball and soccer player.

16-YEAR-OLD female with idiopathic scoliosis. She enjoys basketball and gymnastics.

**TETHERING**

13-YEAR-OLD active softball player. She was treated for adolescent idiopathic scoliosis using the VBT technique.

12-YEAR-OLD female treated with a double VBT tethering for scoliosis. She plays volleyball at her school in Missouri.