

# VERTEBRAL BODY TETHERING



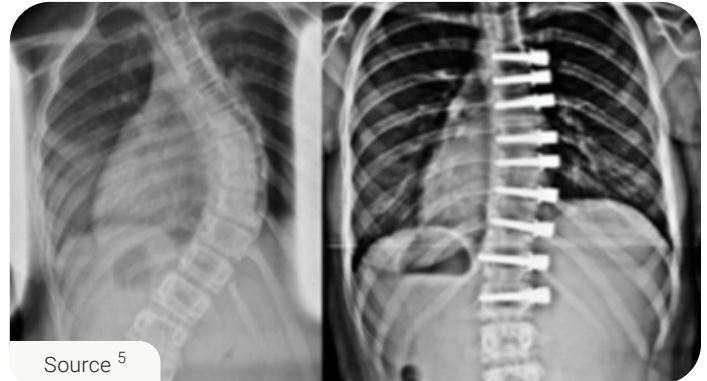
## A stronger solution for better scoliosis outcomes

Our **vertebral body tethering (VBT)** cord is the toughest on the market, significantly reducing breakage concerns.

### Clinical Context

#### Indications

VBT treats adolescent patients with idiopathic scoliosis as motion preserving technique. VBT systems are made up of anchors, screws, and a tensioned flexible cord, known as a tether. During the child's growth, as the spine lengthens, the tether slows growth on the curved side. This allows the other side to keep up, thus correcting the initial Cobb angle.<sup>1</sup>

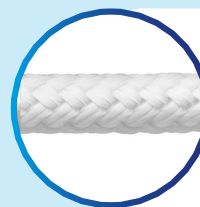
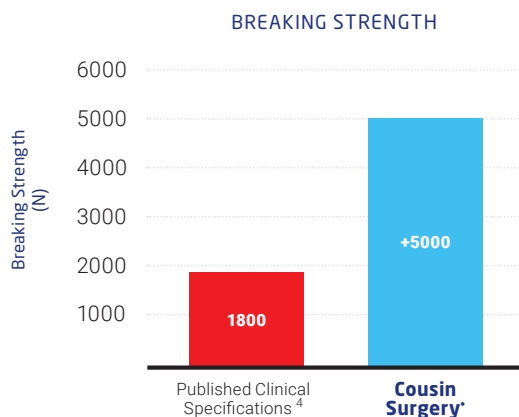


#### Current Unmet Needs

Tether breakage is the most common complication of Vertebral Body Tethering (VBT) occurring in up to 52% of Adolescent Idiopathic Scoliosis (AIS) which compromises the complete procedure<sup>2</sup> ie recent FDA publication has pointed 14% cord breakage.<sup>3</sup> The only way to combat this problem is to ensure the cord's tensile strength and long-term dependability under the stress and body movement of daily life.

## Designed to Perform

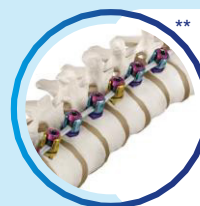
Backed by our 30+ surgical textile experience, our unique VBT cord provides superior performance and extended reliability.



**Unmatched breaking strength**  
clinical outcome liability



**4mm & 5mm cord sizing**  
Available for pediatric & more mature skeletal for spine surgery



**Hardening and tip finishing compliant**  
with surgical technique and instrumentation

# The Need for a Solution

## Patients deserve stable implants.

Cousin Surgery is launching to the market composite structure with unique pattern and specific combination / interaction between layers.

**It's time to end VBT cord breakage so you can trust your treatment.**



## Brighter Futures with Cousin Surgery's VBT System

VBT systems remain permanently attached to the spine unless problems arise.<sup>1</sup>

**This non-fusion solution offers better outcomes by allowing children to maintain flexibility and growth while correcting scoliosis. By contributing to advanced pediatric care, Cousin Surgery is transforming scoliosis treatment for brighter, more active futures.**

## References

1. Boston Children's Hospital. (2024). Vertebral body tethering (VBT). Boston Children's Hospital. Retrieved August 8, 2024, from <https://www.childrenshospital.org/treatments/vertebral-body-tethering>
2. Wan, S. H. T., Guldeniz, O., Yeung, M. H. Y., Cheung, J. P. Y., Kwan, K. Y. H., & Cheung, K. M. C. (2023). Inter-screw index as a novel diagnostic indicator of tether breakage. *Spine Deformity*, 11(4), 887-895. <https://doi.org/10.1007/s43390-023-00679-w>
3. U.S. Food and Drug Administration (FDA). (n.d.). HDE H190005, The Tether™ – Vertebral Body Tethering System. Retrieved from <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfhde/hde.cfm?id=H190005>
4. U.S. Food and Drug Administration (FDA). (n.d.). HDE H210002, REFLECT™ Scoliosis Correction System. Retrieved from [https://www.accessdata.fda.gov/cdrh\\_docs/pdf21/H210002B.pdf](https://www.accessdata.fda.gov/cdrh_docs/pdf21/H210002B.pdf)
5. Mount Sinai. (2021). Mount Sinai surgeon paves the way for non-fusion correction of scoliosis. *Mount Sinai Reports*. Retrieved from <https://reports.mountsinai.org/article/ortho2021-02-mount-sinai-surgeon-paves-the-way-for-non-fusion-correction-of>

Image Credit: \*The Tether™ – Vertebral Body Tethering System from HIGHRIDGE  
\*\*REFLECT Scoliosis Correction System from GLOBUS MEDICAL.

**Learn more about Cousin Surgery surgical orthopedic solutions.**

✉ [Cousin.America@cousin-surgery.com](mailto:Cousin.America@cousin-surgery.com)  
🌐 [www.cousinsurgeryUSA.com](http://www.cousinsurgeryUSA.com)

