

SCREW PROTECTION

In degraded bone quality, stress can cause pedicle screws pull-out, the lamina remains the most resistant vertebral structure ⁽¹⁰⁾.

3.1. p.d. atitikimas: "Galima rinktis tarp skirtingų konektorių, kurie pritaikyti fiksuoti sublaminarinę juostelę prie strypo vertikaliaje arba horizontalioje padėtyje."

Jazz™, Regardless of Bone Quality

- Poor bone quality
- Dysmorphic pedicle
- Impossibility of using a screw

Jazz™ can replace a pedicle screw.



Jazz™ Protects Pedicle Screws

Jazz™ Band tension provides an opposing force to pedicle screw pull-out.

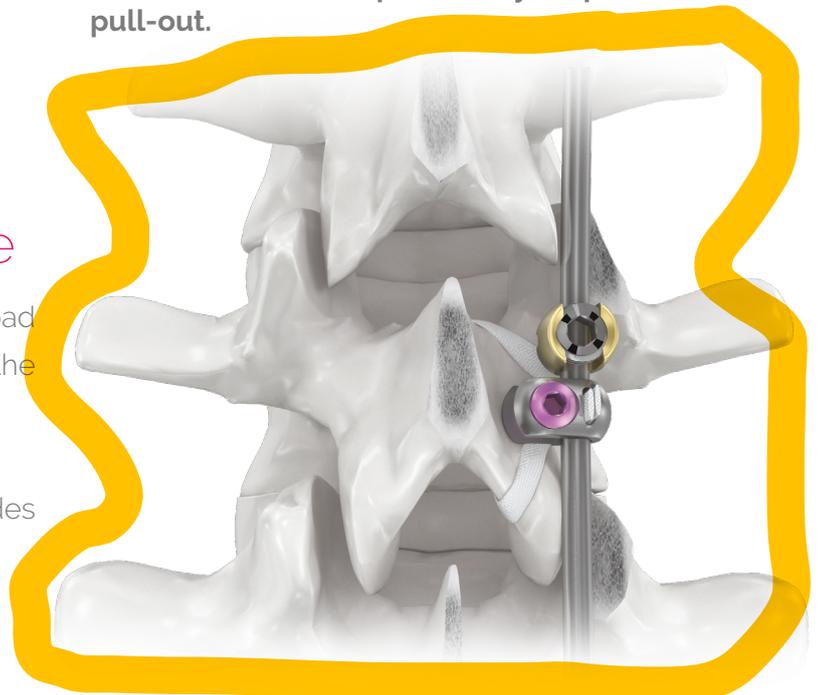
- Rod/Screws constructs secured thanks to sublaminar bands ⁽⁴⁾
- Stronger fixation ⁽⁴⁾.

Jazz™ reduces the probability of pedicle screws pull-out.

Jazz™ Decreases Stress on Bone

Thanks to its width, Jazz™ distributes the load over a large surface area, allowing to protect the screw without compromising the lamina.

In combinaison with screws, Jazz™ provides 4 points of fixation on a single vertebra.



⁽⁴⁾ Pedicle screw augmentation with polyethylene tape: a biomechanical study in the osteoporotic thoracolumbar spine (2010) Hamasaki T, Tanaka N, Kim J, Okada M, Ochi M, Hutton WC. J Spinal Disord Tech. 23(2), 127-32.
⁽¹⁰⁾ Study Of The Posterior Thoracic Vertebral Arc's Resistance To Traction (1989) L.E. Gayet LE, Muller A, Pries P, Dupont G, Bertheau D, Lafarie MC. Rachis, 10 (1), 19-26.

Improvement of the Surgical Conditions⁽⁶⁾

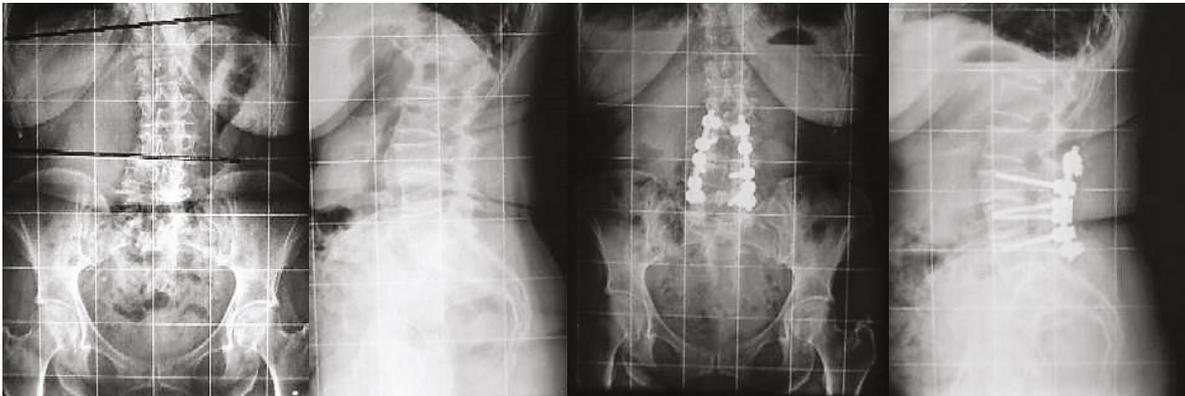
- Even in revision cases, Jazz™ adapts to the quality of the bone and the surgeon's needs
- Easy to use, Jazz™ does not require the removal of the rod to be implanted
- Jazz™ Preserves Bone
- Reduces the Revision Probability



Reduces X-Ray Irradiation⁽⁶⁾

By decreasing the number of pedicle screws, the Jazz™ technology reduces the use of intraoperative radiography.

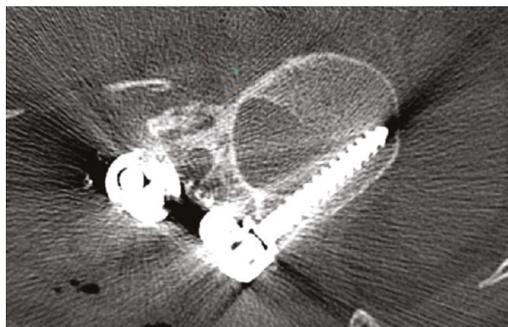
It preserves the health of the patient and of the healthcare team.



F 73yo, severe stenosis L2L3, L3L4 and L4L5. Progressive dislocation L3L4. Laminectomy L3 and L4. Pedicular screws L3L4L5 and Jazz protection L3 and L5. 40 months follow up.

MRI Friendly Optimizes Postoperative Monitoring

With no metal in the canal, Jazz™ eliminates opacity and artifact issues. It allows an optimal postoperative follow-up of intra and extra-canal neurological structures by using MRI.



⁽⁶⁾ Retrospective Cost Effectiveness Analysis of Implanet Jazz Sublaminae Bands for Surgical Treatment of Adolescent Idiopathic Scoliosis (2015) Cole D, Ilharreborde B, Woo R, Implanet's White Paper.