

Traumatic fracture reduction has a lift

The SpineJack Expansion Kit is indicated for use in the reduction of painful osteoporotic vertebral compression fractures, **traumatic vertebral compression fractures** (Type A fractures according to the AO/Magerl classification) with or without posterior instrumental fixation and compression fractures that result from malignant lesions (myeloma or osteolytic metastasis). It is intended to be used in combination with Stryker Vertaplex® and Vertaplex HV bone cement.

SpineJack® system



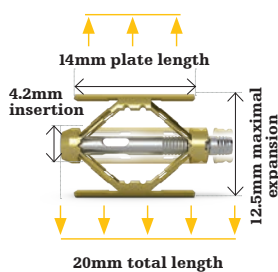
Posterior instrumentation + SpineJack system

- ✓ Allows vertebral expansion while preserving posterior muscles¹
- ✓ Stabilization of A3 fracture allowing the use of fewer constructs²
- ✓ May provide an alternative to corpectomy cages in appropriately selected patients³

Product specs

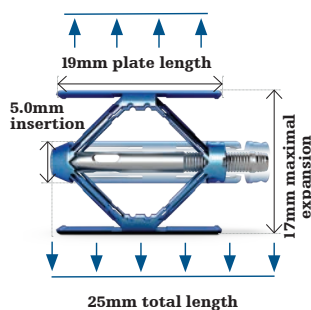
4.2mm SpineJack implant

Max lift force: **500N**



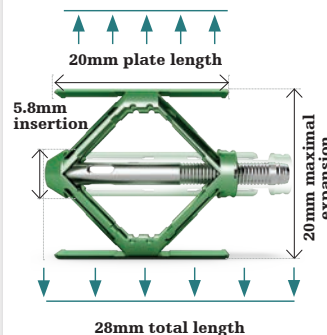
5.0mm SpineJack implant

Max lift force: **750N**



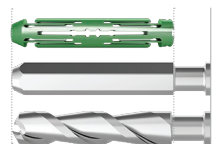
5.8mm SpineJack implant

Max lift force: **1,000N**

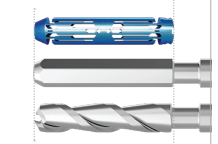


Size comparison*

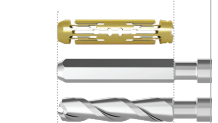
5.8mm SpineJack system



5.0mm SpineJack system



4.2mm SpineJack system



11g (3.05mm) access cannula



*Images are not to scale

Physician
Dr. Hakeem Shakir

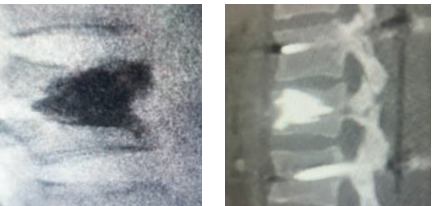
Location: Oklahoma City, Oklahoma
Patient: Male, 27
Level: T12
Reason: Traumatic vertebral compression fracture

Pre-op image Surgical procedure



Pre-op MRI (lateral view) Intra-op fluoro (lateral view)

Post-op images

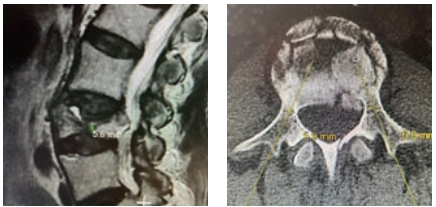


Post-op fluoro (lateral view) Post-op CT scan (lateral view)

Physician
Dr. Jose Valerio
Assisted by: **Yeliana Mayor Pinchevski, PA-C, MPAP**

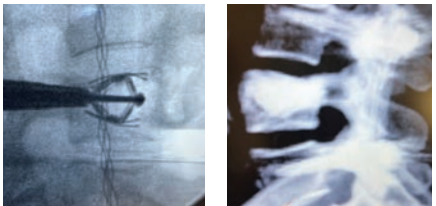
Location: Miami, Florida
Patient: Female, 71
Level: L3, L2-L4
Reason: Traumatic vertebral compression fracture

Pre-op image



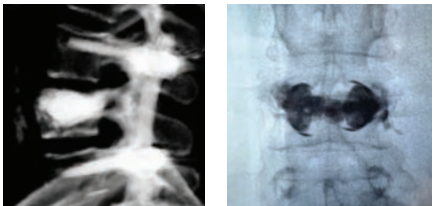
Pre-op MRI (lateral view) Pre-op CT scan (axial view)

Surgical procedure



Intra-op fluoro (lateral view) AIRO intra-op CT scan (lateral view)

Post-op image

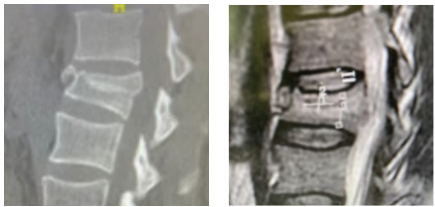


AIRO intra-op CT scan (lateral view) Post-op fluoro (AP view)

Physician
Dr. Pablo Acebal

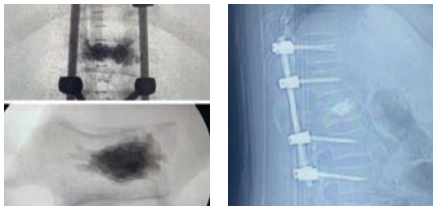
Location: Miami, Florida
Patient: Male, 39
Level: L1 Spinejack system, T11, T12, L2, L3 with hardware
Reason: Traumatic compression fracture

Pre-op images



Pre-op CT scan (lateral view) Pre-op MRI (lateral view)

Post-op images



Post-op fluoro (AP and lateral view) Post-op X-Ray (lateral view)

References

1. Dejean, C et al, Monoaxial percutaneous screws associated with vertebral expansion maneuver in the management of compression fractures (A3) at the thoracolumbar junction. Radiographic study of the corrective capacity and conservation of correction over time. The Spinecut study. Annual convention SFCR 2018. Lille Grand Paris 7th – 9th June 2018.

2. Ortin-Barcelo A, Ortolà Morales DJ, Rosa MA, Fenga D, Bañuls-Pattarelli MA, Lopez-Prats FA. Adjacent Single-level Combined Fixation Using Kyphoplasty and Percutaneous Pedicle Screws in Type A3 Unstable Vertebral Fractures in Elderly Patients. Folia Med (Plovdiv). 2018 Sep 1;60(3):474-478. doi: 10.2478/folmed-2018-0011. PMID: 30355835.

3. Vanni D, Pantalone A, Magliani V, Salini V, Berjano P. Corpectomy and expandable cage replacement versus third generation percutaneous augmentation system in case of vertebra plana: rationale and recommendations. J Spine Surg. 2017 Sep;3(3):379-386. doi: 10.21037/jss.2017.08.06. PMID: 29057346; PMCID: PMC5637192.

Interventional Spine

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