

# Clinical Data

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## Assessment of radiographic and clinical outcomes of an articulating expandable interbody cage in minimally invasive transforaminal lumbar interbody fusion for spondylolisthesis

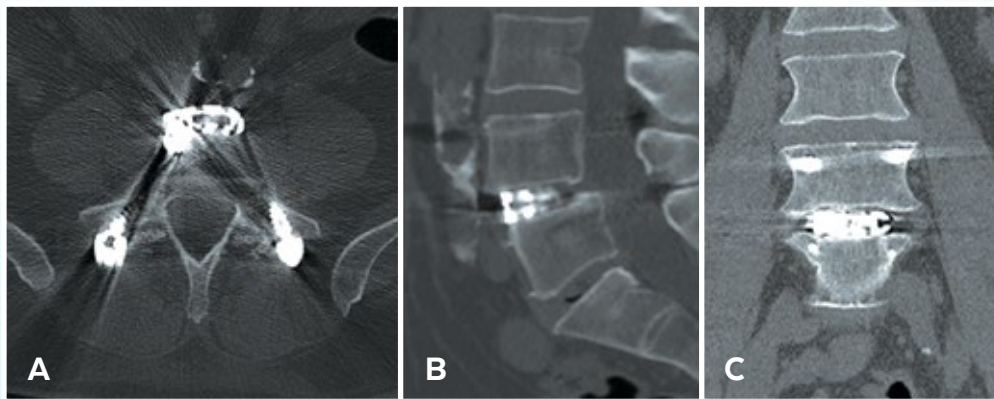
Lara W. Massie, MD, Hesham Mostafa Zakaria, MD, Lonni R. Schultz, PhD, Azam Basheer, MD, Morenikeji Ayodele Buraimoh, MD, and Victor Chang, MD

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**Objective:** To evaluate the improvement of sagittal parameters and lordosis in minimally invasive surgery for transforaminal lumbar interbody fusion (MIS TLIF) using ALTERA®.

**Method:** A 44 patient retrospective review of 1 and 2 level MIS TLIF was conducted. Radiographic outcomes include differences in segmental and lumbar lordosis, disc height, evidence of fusion, and endplate violation. Clinical outcomes include the numeric rating scale for leg and back pain and the Oswestry Disability Index (ODI) for low back pain.



### 1 year postoperative CT views

A: Axial showing 10×31mm spacer in appropriate position

B: Sagittal view C: Coronal view

# ALTERA<sup>®</sup> Clinical Outcomes

**Results:** The use of ALTERA<sup>®</sup> for MIS TLIF provided restoration of segmental height and segmental lordosis, with associated improvements in sagittal balance parameters. Patients demonstrated a 96% fusion rate and significant reduction in pain and disability.

*On average, patients treated with ALTERA<sup>®</sup> demonstrated:*

Segmental angle  
**IMPROVED 4.9°**

Segmental height  
**INCREASED 3.1mm**

Spondylolisthesis  
**CORRECTED 4.3mm**

**FUSION RATE 96%**



Postoperative radiographs

For a copy of the article, speak with your Globus Medical Sales Representative. To learn more about our full line of expandable TLIF devices, visit [www.GlobusMedical.com/Expandables](http://www.GlobusMedical.com/Expandables)



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