

## CLINICAL STUDY SUMMARY

# A Novel Titanium Expandable Interbody Spacer with Integrated Plate Restores Anterior and Posterior Disc Height and Intervertebral Lordosis

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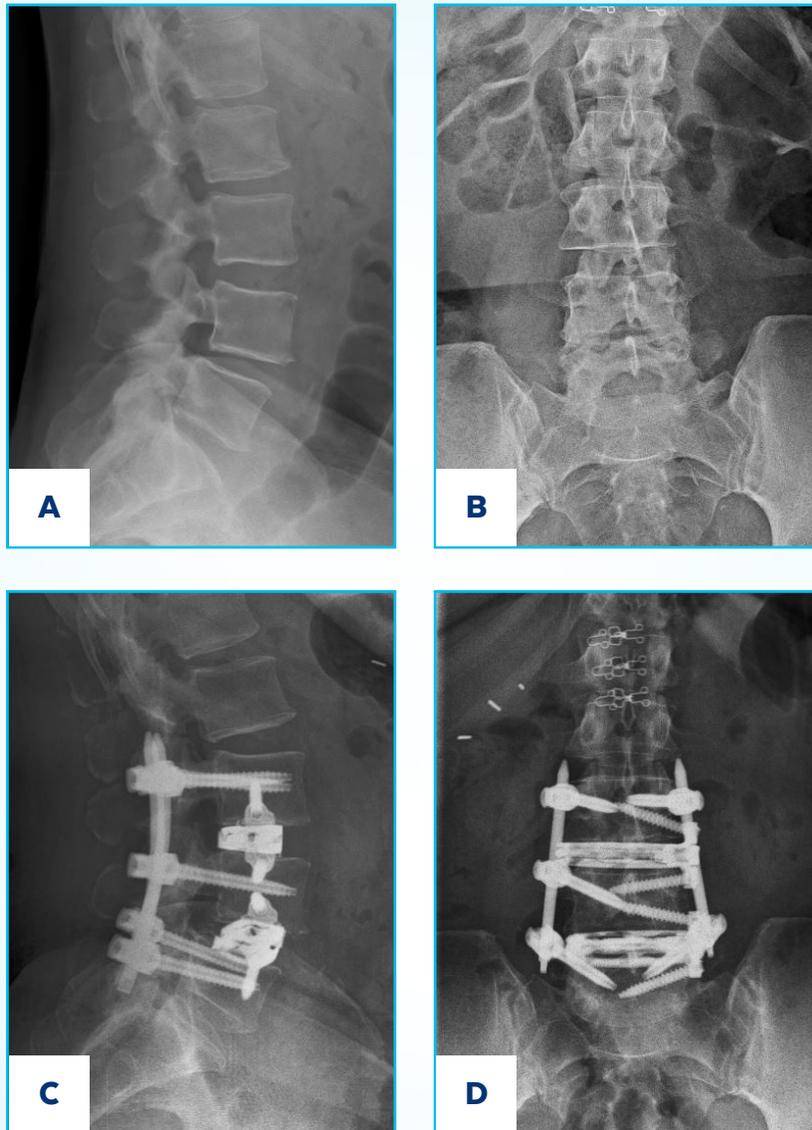
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**OBJECTIVE:** To determine radiographic outcomes in minimally invasive surgery for lateral lumbar interbody fusion (MIS LLIF) using ELSA®, an expandable interbody spacer with an integrated plate.

**METHOD:** 17 consecutive patients diagnosed with spondylolisthesis who underwent MIS LLIF at 1-2 contiguous level(s) were retrospectively reviewed. Radiographic outcomes were collected and compared from baseline to 12 months follow-up.

**RESULTS:** At 12 months postoperative, average anterior and posterior disc heights significantly improved by 4.2mm and 3.2mm, allowing for significant indirect decompression. Average segmental and lumbar lordosis were sustained up to 12 months follow-up with no subsidence reported.



Preoperative lateral (A) and anteroposterior (B) radiographs. Postoperative lateral (C) and anteroposterior (D) radiographs of a two-level MIS LLIF using an integrated expandable interbody spacer at L3-L4 and L4-L5.

**CONCLUSION:** Using ELSA<sup>®</sup> for MIS LLIF provided significant indirect decompression and maintained sagittal alignment up to 12 months follow-up with no reported subsidence.



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