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Manuscript Title:

Radiological and clinical outcomes of midline lumbar fusion on sagittal lumbar–pelvic parameters for degenerative lumbar diseases

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Abstract:

BACKGROUND

Improving the sagittal lumbar–pelvic parameters after fusion surgery is important for improving clinical outcomes. The impact of midline lumbar fusion (MIDLF) on sagittal lumbar–pelvic alignment for the management of degenerative lumbar diseases is still unknown.

AIM

This study aimed to analyze the effects of short-segment MIDLF and minimally invasive transforaminal lumbar interbody fusion (MIS-TLIF) on sagittal lumbar–pelvic parameters.

METHODS

We retrospectively analyzed 63 patients with degenerative lumbar diseases who underwent single-segment MIDLF or MIS-TLIF. The imaging data of patients were collected before surgery and at the final follow-up. The radiological sagittal parameters included the lumbar lordosis (LL), lower lumbar...

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