

# Review of: "Radiological parameters after LLIF for adjacent-level disease treatment"

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**Potential competing interests:** No potential competing interests to declare.

- \* The authors mentioned, "The following outcomes were analyzed: pelvic incidence, pelvic version, sacral tilt, lumbar lordosis, and adjacent-level segmental lordosis on preoperative and postoperative radiographs." What do the authors mean by pelvic version?
- \* The authors mentioned, "The most frequently addressed levels were L3L4 (20) and L2L3 (14)." Would you please add percentages?
- \* The authors mentioned, "In recent decades, posterior spinal arthrodesis (TLIF, PLIF, and PLF) has become a standard technique among surgeons for the treatment of lumbar spine degenerative illnesses." Would you please add a reference to this sentence?
- \* The authors mentioned, "However, previous studies have demonstrated that the complications and effectiveness of these operations should not be underestimated." Would you please add a reference to this sentence?
- \* The authors mentioned, "Furthermore, ASD involves imaging criteria for diagnosis in addition to clinical criteria, with the use of lateral radiographs containing the femoral heads in the neutral, flexion, and extension positions." Would you please add a reference to this sentence?
- \* The authors mentioned, "Traditionally, the surgical treatment of ASD required revision laminectomy and extension of the previous fusion, which made these revisions more challenging and morbid, resulting in dramatic increases in dural injury, blood loss, prolonged hospital stay, and chronic discomfort." Would you please add a reference to this sentence?
- \* The authors mentioned, "Patients who had completed the free consent form and underwent LLIF surgery for the treatment of adjacent-level disease with preoperative and postoperative X-rays were included." Was this in the prone or lateral position?
- \* How many reviewers reviewed the images and what was their level of experience? Was it the surgeon? If more than one was there any interrater variability?
- \* Were the patient demographics collected and presenting symptoms? Please add this in the methods section.
- \* The authors mentioned, "Wang et al. (2014) were among the first to report the use of LLIF for the treatment of adjacent-level disease. In their study, patients showed a substantial improvement in the pain scale in both legs and back, as well

as an increase of  $2.1^{\circ}$  in the lordosis of the operated segment, but a loss of  $2^{\circ}$  in the lumbar lordosis (L1-S1).

Furthermore, some publications have highlighted several therapeutic and radiological benefits of LLIF in treating adjacent-level diseases.” Would you please add a reference to this sentence?