

# Review of: "L4-L5 Anatomy Classification System for Lateral Lumbar Interbody Fusion"

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

This study proposed a new classification system that relies on the simple observation of easily identifiable key structures to guide decision-making regarding lateral L4-L5 LLIF. Based on the relationship between psoas muscle, plexus position, vascular structures, and vertebral body, the authors classified the L4-5 anatomy into three classifications. Also, the authors concluded that LLIF could only be considered in type one and type two.

Some comments for revision:

1. As this study aimed to present a novel classification, more clear and uncompressed figures of cases should be provided.
2. For discussion section, the similarity/discrepancy between the current classification and previous classification should be discussed.
3. The authors should discuss the detail that how to use this novel classification to guide the LLIF surgery? Which part should the surgeons pay attention to in each anatomy type?