

# 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.

In this paper Amaral et al present a new classification regarding anatomy of L4-5 for lateral lumbar interbody fusion.

**Title:** satisfactory.

**Abstract:** satisfactory.

**Introduction:** satisfactory.

**Methods:**

I suggest mentioning the nationality of the study sample.

Sugiro, se disponível, citar o tamanho da amostra, número de homens e mulheres.

If available, show the height of the individuals of the sample, as this characteristic can alter the position of some anatomical structures.

It is necessary to mention the number of the Ethics Research Committee.

Necessary to cite further details of the inclusion and exclusion criteria.

Necessary to mention the model of the magnetic resonance imaging (MRI) equipment.

**Results:**

Figures 4 and 5 are distorted and not acceptable for publication standards.

In figure 5B, the red circle that indicates the exceedingly long psoas muscle, leading the lumbar plexus towards the anterior third of the vertebral body, is not shown in the figure.

**Discussion:**

Necessary to present the reasons why this new classification can be applied.

There was little discussion about the classification model proposed in the study, much of it was said about models found in the literature.

Conclusion: satisfactory.

I recommend approval with correction of the manuscript.