



# Multilevel Anterior Lumbar Interbody Fusion Combined with Posterior Stabilization in Lumbar Disc Disease - Prospective Analysis of Clinical and Functional Outcomes

## *Artrodese lombar intersomática anterior multinível combinada com estabilização posterior em discopatia lombar – Análise clínico-funcional prospectiva*

Beuy Joob<sup>1</sup>  Viroj Wiwanitkit<sup>2</sup>

<sup>1</sup> Sanitation1 Medical Academic Center, Bangkok, Thailand

<sup>2</sup> Dr DY Patil University, Pune, Maharashtra, India

Address for correspondence Beuy Joob, PhD, Sanitation1 Medical Academic Center, Bangkok, Thailand  
(e-mail: beuyjoob@hotmail.com).

Rev Bras Ortop 2020;55(5):653.

Dear Editor,

We read the publication on “Multilevel Anterior Lumbar Interbody Fusion Combined with Posterior Stabilization in Lumbar Disc Disease - Prospective Analysis of Clinical and Functional Outcomes” with a great interest.<sup>1</sup> Moura et al.<sup>1</sup> noted that “*Instrumented ALIF combined with posterior stabilization is a successful option for uni- and multilevel degenerative disc disease.*” We would like to share ideas on this report on spinal surgery. In fact, as noted by Grabala et al.<sup>2</sup> any spinal manipulation for the correction of vertebral problems might be associated with complications. The risk of complications might increase due to several factors, including the basic physiology of the patients, such as body mass index.<sup>3</sup> The nature of the instrument and the direction of approach are also related to the occurrence of postoperative stability and complications.<sup>4</sup> Also, a complex procedure might also be associated with increased risk.<sup>2</sup> Those factors have to be considered before a definitive conclusion is reached regarding the technique.

### Conflict of Interests

The authors declare that have no conflict of interests.

### References

- 1 Moura DL, Lawrence D, Gabriel JP. Multilevel Anterior Lumbar Interbody Fusion Combined with Posterior Stabilization in Lumbar Disc Disease-Prospective Analysis of Clinical and Functional Outcomes. Rev Bras Ortop 2019;54(02):140–148
- 2 Grabala P, Latafski M. Rare abdominal complications after undergoing posterior spinal fusion for progressed idiopathic scoliosis – case series and a literature review. Case Study Case Rep 2019;9(03):30–41
- 3 Elsamadicy AA, Koo AB, Kundishora AJ, et al. Impact of patient and hospital-level risk factors on extended length of stay following spinal fusion for adolescent idiopathic scoliosis. J Neurosurg Pediatr 2019;1–7
- 4 Yeager MS, Dupre DA, Cook DJ, Oh MY, Altman DT, Cheng BC. Anterior lumbar interbody fusion with integrated fixation and adjunctive posterior stabilization: A comparative biomechanical analysis. Clin Biomech (Bristol, Avon) 2015;30(08):769–774

received  
June 24, 2019  
accepted  
October 30, 2019

DOI <https://doi.org/10.1055/s-0040-1701283>.  
ISSN 0102-3616.

Copyright © 2020 by Sociedade Brasileira de Ortopedia e Traumatologia. Published by Thieme Revinter Publicações Ltda, Rio de Janeiro, Brazil

License terms

