

## Correction

# Correction: Imai et al. Is Anterior Longitudinal Ligament Rupture During Posterior Corrective Surgery for Adult Spinal Deformity a Phenomenon Unique to When Combined with Lateral Lumbar Interbody Fusion? -Finite Element Analysis with Comparison to When Combined with Posterior Lumbar Interbody Fusion-. *J. Clin. Med.* 2025, 14, 7460

Takaya Imai <sup>1,†</sup> , Hiroki Takeda <sup>1,†</sup>, Yuichiro Abe <sup>1</sup>, Koutaro Kageshima <sup>2</sup>, Yuki Akaike <sup>2</sup>, Soya Kawabata <sup>2</sup>, Nobuyuki Fujita <sup>2</sup>  and Shinjiro Kaneko <sup>1,\*</sup>

<sup>1</sup> Department of Spine and Spinal Cord Surgery, School of Medicine, Fujita Health University, 1-98 Dengakugakubo, Kutsukake-cho, Toyoake 470-1192, Aichi, Japan

<sup>2</sup> Department of Orthopedic Surgery, School of Medicine, Fujita Health University, Toyoake 470-1192, Aichi, Japan

\* Correspondence: shinjirokaneko@gmail.com; Tel.: +81-562-93-2169; Fax: +81-562-93-9252

† These authors contributed equally to this work.

## Title/Heading Correction

There was a spelling mistake in the original publication [1]. A correction has been made to “Is Anterior Longitudinal Ligament Rupture During Posterior Corrective Surgery for Adult Spinal Deformity a Phenomenon Unique to When Combined with Lateral Lumbar Interbody Fusion? -Finite Element Analysis with Comparison to When Combined with Posterior Lumbar Interbody Fusion-” and “2.1. Establishment of the Three-Dimensional (3D) Finite Element (FE) Model of the Lumbar Spine”.

## Figure 1 Legend

In the original publication [1], the following sentence was missing: “Reproduced with permission from Takeda, H.; Abe, Y.; Imai, T.; Rashid, M.Z.M.; Ikeda, D.; Kawabata, S.; Nagai, S.; Hachiya, K.; Fujita, N.; Kaneko, S. Elucidation of the mechanism of occasional anterior longitudinal ligament rupture with posterior correction procedure for adult spinal deformity using LLIF-finite element analysis of the impact of the lordotic angle of intervertebral LLIF cage. *Medicina* 2023, 59, 1569; published by MDPI, 2023. [32].”

The correct legend appears below.

The authors state that the scientific conclusions are unaffected. This correction was approved by the Academic Editor. The original publication has also been updated.



Received: 26 December 2025

Accepted: 5 January 2026

Published: 16 January 2026

**Copyright:** © 2026 by the authors.

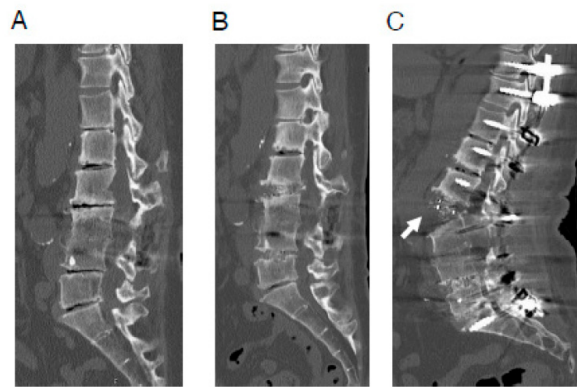
Licensee MDPI, Basel, Switzerland.

This article is an open access article

distributed under the terms and

conditions of the [Creative Commons](#)

[Attribution \(CC BY\)](#) license.



**Figure 1.** A representative case of ALL rupture during posterior correction procedure. A 64-year-old woman with adult spinal deformity, who had undergone postero-lateral fusion at the L3/4 level previously at another hospital. **(A)** Preoperative CT image. **(B)** CT image after OLIF (L2/3-L4/5). **(C)** CT image after posterior correction procedure. In this case, surgery was performed using less lordotic ( $6^\circ$ ) OLIF cages, which were most lordotic cage available at the time. Anterior longitudinal ligament rupture (white arrow) was observed after the posterior correction procedure. ALL—anterior longitudinal ligament; CT—computed tomography; LLIF—lateral lumbar interbody fusion; OLIF—oblique lateral lumbar interbody fusion. Reproduced with permission from Takeda, H.; Abe, Y.; Imai, T.; Rashid, M.Z.M.; Ikeda, D.; Kawabata, S.; Nagai, S.; Hachiya, K.; Fujita, N.; Kaneko, S. Elucidation of the mechanism of occasional anterior longitudinal ligament rupture with posterior correction procedure for adult spinal deformity using LLIF-finite element analysis of the impact of the lordotic angle of intervertebral LLIF cage. *Medicina* 2023, 59, 1569; published by MDPI, 2023. [32].

## Reference

1. Imai, T.; Takeda, H.; Abe, Y.; Kageshima, K.; Akaike, Y.; Kawabata, S.; Fujita, N.; Kaneko, S. Is Anterior Longitudinal Ligament Rupture During Posterior Corrective Surgery for Adult Spinal Deformity a Phenomenon Unique to When Combined with Lateral Lumbar Interbody Fusion? -Finite Element Analysis with Comparison to When Combined with Posterior Lumbar Interbody Fusion-. *J. Clin. Med.* **2025**, *14*, 7460.

**Disclaimer/Publisher's Note:** The statements, opinions and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions or products referred to in the content.