

Accepted Manuscript

Title: Effect of the upper instrumented vertebral level (upper vs. lower thoracic spine) on gait ability after corrective surgery for adult spinal deformity

Author: Mitsuru Yagi, Nobuyuki Fujita, Osahiko Tsuji, Narihiro Nagoshi, Yoshiyuki Yato, Takashi Asazuma, Ken Ishii, Masaya Nakamura, Morio Matsumoto, Kota Watanabe

PII: S1529-9430(17)30300-5
DOI: <http://dx.doi.org/doi: 10.1016/j.spinee.2017.06.026>
Reference: SPINEE 57366

To appear in: *The Spine Journal*

Received date: 20-2-2017
Revised date: 15-5-2017
Accepted date: 27-6-2017

Please cite this article as: Mitsuru Yagi, Nobuyuki Fujita, Osahiko Tsuji, Narihiro Nagoshi, Yoshiyuki Yato, Takashi Asazuma, Ken Ishii, Masaya Nakamura, Morio Matsumoto, Kota Watanabe, Effect of the upper instrumented vertebral level (upper vs. lower thoracic spine) on gait ability after corrective surgery for adult spinal deformity, *The Spine Journal* (2017), <http://dx.doi.org/doi: 10.1016/j.spinee.2017.06.026>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



1 *Effect of the upper instrumented vertebral level (upper vs. lower thoracic spine) on gait ability*
2 *after corrective surgery for adult spinal deformity*

3 Mitsuru Yagi, M.D., Ph.D.^{a,b,c}, Nobuyuki Fujita, M.D., Ph.D.^{b,c}, Osahiko Tsuji, M.D., Ph.D.^{b,c},
4 Narihiro Nagoshi, MD., Ph.D.^{b,c}, Yoshiyuki Yato, M.D., Ph.D.^a, Takashi Asazuma, M.D., Ph.D.^a,
5 Ken Ishii, M.D., Ph.D.^{b,c}, Masaya Nakamura, M.D., Ph.D.^{b,c}, Morio Matsumoto, M.D., Ph.D.^{b,c},
6 Kota Watanabe, M.D., Ph.D.^{b,c}

7

8 ^aDepartment of Orthopedic Surgery, National Hospital Organization Murayama Medical Center

9 ^bDepartment of Orthopedic Surgery, Keio University School of Medicine

10 ^cKeio Spine Research Group

11

12 *Name and address for correspondence:*

13 Kota Watanabe, M.D., Ph.D.

14 35 Shinanomachi, Shinjyuku, Tokyo, Japan

Download English Version:

<https://daneshyari.com/en/article/8804629>

Download Persian Version:

<https://daneshyari.com/article/8804629>

[Daneshyari.com](https://daneshyari.com)