### 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.



## ACCEPTED MANUSCRIPT

UIV level and gait in ASD

#### 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.<sup>a,b,,c</sup>, Nobuyuki Fujita, M.D., Ph.D.<sup>b,c</sup>, Osahiko Tsuji, M.D., Ph.D.<sup>b,c</sup>,
- 4 Narihiro Nagoshi, MD., Ph.D.<sup>b,c</sup>, Yoshiyuki Yato, M.D., Ph.D.<sup>a</sup>, Takashi Asazuma, M.D., Ph.D.<sup>a</sup>,
- 5 Ken Ishii, M.D., Ph.D.<sup>b,c</sup>, Masaya Nakamura, M.D., Ph.D.<sup>b,c</sup>, Morio Matsumoto, M.D., Ph.D.<sup>b,c</sup>,
- 6 Kota Watanabe, M.D., Ph.D.<sup>b,c</sup>

7

- 8 <sup>a</sup>Department of Orthopedic Surgery, National Hospital Organization Murayama Medical Center
- <sup>9</sup> <sup>b</sup>Department of Orthopedic Surgery, Keio University School of Medicine
- 10 <sup>c</sup>Keio Spine Research Group
- 11
- 12 Name and address for correspondence:
- 13 Kota Watananbe, M.D., Ph.D.
- 14 35 Shinanomachi, Shinjyuku, Tokyo, Japan

# دريافت فورى 🛶 متن كامل مقاله

- امکان دانلود نسخه تمام متن مقالات انگلیسی
  امکان دانلود نسخه ترجمه شده مقالات
  پذیرش سفارش ترجمه تخصصی
  امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
  امکان دانلود رایگان ۲ صفحه اول هر مقاله
  امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
  دانلود فوری مقاله پس از پرداخت آنلاین
  پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات
- ISIArticles مرجع مقالات تخصصی ایران