

# Accepted Manuscript

Natural course and potential prognostic factors for sleep-disordered breathing in multiple system atrophy

Yasuyoshi Ohshima, Hideaki Nakayama, Naho Matsuyama, Satoshi Hokari, Takuro Sakagami, Tomoe Sato, Toshiyuki Koya, Tetsuya Takahashi, Toshiaki Kikuchi, Masatoyo Nishizawa, Takayoshi Shimohata

PII: S1389-9457(17)30091-6

DOI: [10.1016/j.sleep.2017.01.020](https://doi.org/10.1016/j.sleep.2017.01.020)

Reference: SLEEP 3318

To appear in: *Sleep Medicine*

Received Date: 15 November 2016

Revised Date: 11 January 2017

Accepted Date: 11 January 2017

Please cite this article as: Ohshima Y, Nakayama H, Matsuyama N, Hokari S, Sakagami T, Sato T, Koya T, Takahashi T, Kikuchi T, Nishizawa M, Shimohata T, Natural course and potential prognostic factors for sleep-disordered breathing in multiple system atrophy, *Sleep Medicine* (2017), doi: 10.1016/j.sleep.2017.01.020.

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.



# Natural course and potential prognostic factors for sleep-disordered breathing in multiple system atrophy

---

Yasuyoshi Ohshima<sup>a,\*</sup>, Hideaki Nakayama<sup>b</sup>, Naho Matsuyama<sup>a</sup>, Satoshi Hokari<sup>a</sup>, Takuro Sakagami<sup>a</sup>, Tomoe Sato<sup>c</sup>, Toshiyuki Koya<sup>a</sup>, Tetsuya Takahashi<sup>c</sup>, Toshiaki Kikuchi<sup>a</sup>, Nishizawa<sup>c</sup>, Takayoshi Shimohata<sup>c</sup>

<sup>a</sup>Department of Respiratory Medicine and Infectious Diseases, Niigata University Graduate School of Medical and Dental Sciences, Niigata University, Niigata, Japan

<sup>b</sup>Department of Respiratory Medicine, Tokyo Medical University, Tokyo, Japan

<sup>c</sup>Department of Neurology, Brain Research Institute, Niigata University, Niigata, Japan

**\*Corresponding author:** Department of Respiratory Medicine and Infectious Diseases, Niigata University Graduate School of Medical and Dental Sciences, 1-757 Asahimachidori, Chuoku, Niigata 951-8510, Japan. Tel: +81-25-368-9325; fax: +81-25-368-9326.

*E-mail address:* [ohshima@med.niigata-u.ac.jp](mailto:ohshima@med.niigata-u.ac.jp) (Yasuyoshi Ohshima)

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ 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