

# WITHDRAWN: Cognitive impairment in multiple system atrophy is related to white matter damage detected by the T1w/T2w ratio

Atsuhiko Sugiyama<sup>a</sup>, Graham Cooper<sup>b,c,d,e</sup>, Shigeki Hirano<sup>a,f</sup>, Hajime Yokota<sup>g</sup>, Masahiro Mori<sup>a</sup>, Keisuke Shimizu<sup>f</sup>, Masatsugu Yakiyama<sup>f</sup>, Carsten Finke<sup>d,h,i</sup>, Alexander U. Brandt<sup>c,j</sup>, Friedemann Paul<sup>b,c,d,h</sup>, Satoshi Kuwabara<sup>a,f</sup>

<sup>a</sup> *Department of Neurology, Graduate School of Medicine, Chiba University, Chiba, Japan* *Department of Neurology, Graduate School of Medicine, Chiba University, Chiba, Japan*

<sup>b</sup> *Experimental and Clinical Research Center, Max Delbrueck Center for Molecular Medicine and Charit  Universit tsmedizin Berlin, Corporate Member of Freie Universit t Berlin, Humboldt-Universit t zu Berlin and Berlin Institute of Health, Berlin, Germany* *Experimental and Clinical Research Center, Max Delbrueck Center for Molecular Medicine and Charite-Universit tsmedizin Berlin, corporate member of Freie Universit t Berlin, Humboldt-Universit t zu Berlin and Berlin Institute of Health, Berlin, Germany*

<sup>c</sup> *NeuroCure Clinical Research Center, Charit  Universit tsmedizin Berlin, Berlin, Germany* *NeuroCure Clinical Research Center, Charite-Universit tsmedizin Berlin, Berlin, Germany*

<sup>d</sup> *Einstein Center for Neurosciences, Berlin, Germany* *Einstein Center for Neurosciences, Berlin, Germany*

<sup>e</sup> *Department of Experimental Neurology and Center for Stroke Research, Berlin, Charit  Universit tsmedizin Berlin, Berlin, Germany* *Department of Experimental Neurology and Center for Stroke Research, Berlin, Charite-Universit tsmedizin Berlin, Berlin, Germany*

<sup>f</sup> *Medical Center for Dementia, Chiba University Hospital, Chiba, Japan* *Medical Center for Dementia, Chiba University Hospital, Chiba, Japan*

<sup>g</sup> *Department of Diagnostic Radiology and Radiation Oncology, Graduate School of Medicine, Chiba University, Chiba, Japan* *Department of Diagnostic Radiology and Radiation Oncology, Graduate School of Medicine, Chiba University, Chiba, Japan*

<sup>h</sup> *Department of Neurology, Charit  Universit tsmedizin Berlin, Berlin, Germany* *Department of Neurology, Charite-Universit tsmedizin Berlin, Berlin, Germany*

<sup>i</sup> *Berlin School of Mind and Brain, Humboldt-Universit t zu Berlin, Berlin, Germany* *Berlin School of Mind and Brain, Humboldt-Universit t zu Berlin, Berlin, Germany*

<sup>j</sup> *Department of Neurology, University of California, Irvine, CA, USA* *Department of Neurology, University of California, Irvine, California, USA*

This article has been withdrawn at the request of the author(s) and/or editor. The Publisher apologizes for any inconvenience this may cause.

The full Elsevier Policy on Article Withdrawal can be found at <https://www.elsevier.com/about/our-business/policies/article-withdrawal>