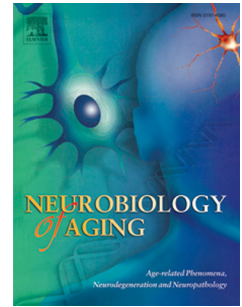


Accepted Manuscript

Estimates of age-dependent cut-offs for pathological brain volume loss using SIENA/
FSL – A longitudinal brain volumetry study in healthy adults

Roland Opfer, Ann-Christin Ostwaldt, Maria Pia Sormani, Carola Gocke, Christine
Walker-Egger, Praveena Manogaran, Nicola De Stefano, Sven Schippling



PII: S0197-4580(17)30421-9

DOI: [10.1016/j.neurobiolaging.2017.12.024](https://doi.org/10.1016/j.neurobiolaging.2017.12.024)

Reference: NBA 10120

To appear in: *Neurobiology of Aging*

Received Date: 9 August 2017

Revised Date: 19 December 2017

Accepted Date: 21 December 2017

Please cite this article as: Opfer, R., Ostwaldt, A.-C., Sormani, M.P., Gocke, C., Walker-Egger, C., Manogaran, P., De Stefano, N., Schippling, S., Estimates of age-dependent cut-offs for pathological brain volume loss using SIENA/FSL – A longitudinal brain volumetry study in healthy adults, *Neurobiology of Aging* (2018), doi: 10.1016/j.neurobiolaging.2017.12.024.

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.

Estimates of age-dependent cut-offs for pathological brain volume loss using SIENA/FSL – A longitudinal brain volumetry study in healthy adults

Roland Opfer^{1,2}, Ann-Christin Ostwaldt², Maria Pia Sormani³, Carola Gocke⁴, Christine Walker-Egger¹, Praveena Manogaran^{1,5}, Nicola De Stefano⁶, Sven Schippling¹

1) Neuroimmunology and Multiple Sclerosis Research, Department of Neurology, University Hospital Zurich and University of Zurich, Frauenklinikstraße 26, 8091 Zurich, Switzerland,

2) jung diagnostics GmbH, Röntgenstraße 24, 22335 Hamburg, Germany

3) Biostatistics Unit, Department of Health Sciences, University of Genoa, Genoa, Italy

4) Medical Prevention Center Hamburg (MPCH), Falkenried 88, 20251 Hamburg, Germany

5) Department of Information Technology and Electrical Engineering, Swiss Federal Institute of Technology, Zurich, Switzerland

6) Department of Medicine, Surgery and Neuroscience, University of Siena, Siena, Italy

Keywords: brain atrophy, aging, multiple sclerosis, brain volume loss, SIENA, cut-off

Download English Version:

<https://daneshyari.com/en/article/6802950>

Download Persian Version:

<https://daneshyari.com/article/6802950>

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