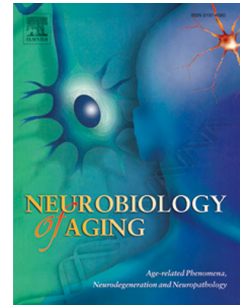


Accepted Manuscript

White matter hyperintensities and cognitive reserve during a working memory task: a functional magnetic resonance imaging study in cognitively normal older adults

Sara Fernández-Cabello, Cinta Valls-Pedret, Matthias Schurz, Dídac Vidal-Piñeiro, Roser Sala-Llonch, Nuria Bargallo, Emilio Ros, David Bartrés-Faz



PII: S0197-4580(16)30183-X

DOI: [10.1016/j.neurobiolaging.2016.08.008](https://doi.org/10.1016/j.neurobiolaging.2016.08.008)

Reference: NBA 9694

To appear in: *Neurobiology of Aging*

Received Date: 17 February 2016

Revised Date: 8 July 2016

Accepted Date: 9 August 2016

Please cite this article as: Fernández-Cabello, S., Valls-Pedret, C., Schurz, M., Vidal-Piñeiro, D., Sala-Llonch, R., Bargallo, N., Ros, E., Bartrés-Faz, D., White matter hyperintensities and cognitive reserve during a working memory task: a functional magnetic resonance imaging study in cognitively normal older adults, *Neurobiology of Aging* (2016), doi: 10.1016/j.neurobiolaging.2016.08.008.

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 **White matter hyperintensities and cognitive reserve during a working memory task: a functional**

2 **Magnetic Resonance Imaging study in cognitively normal older adults**

3
4 Sara Fernández-Cabello^{a,b,c}, Cinta Valls-Pedret^{d,e,f}, Matthias Schurz^{a,b}, Dídac Vidal-Piñeiro^g, Roser Sala-
5 Llonch^g, Nuria Bargallo^{e,h}, Emilio Ros,^{d,e,f} David Bartrés-Faz^{c,e,*}

6
7 ^a Department of Psychology, University of Salzburg, Hellbrunnerstr. 34, 5020 Salzburg, Austria

8 ^b Center for Neurocognitive Research, University of Salzburg, Hellbrunnerstr. 34, 5020 Salzburg, Austria

9 ^c Department of Medicine, Faculty of Medicine and Health Sciences, Universitat de Barcelona, Barcelona,
10 Spain.

11 ^d Lipid Clinic, Endocrinology and Nutrition Service, Hospital Clínic, Barcelona, Spain

12 ^e Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain.

13 ^f Ciber Fisiopatología de la Obesidad y Nutrición (CIBEROBN), Instituto de Salud Carlos III, Spain.

14 ^g Research Group for Lifespan Changes in Brain and Cognition, Department of Psychology, University of
15 Oslo, Oslo, Norway.

16 ^h Neuroradiology Section, Radiology Service, Centre de Diagnòstic per la Imatge, Hospital Clínic de
17 Barcelona, Spain.

18
19 *Corresponding author

20 David Bartrés-Faz

21 Department of Psychiatry and Clinical Psychobiology, Faculty of Medicine, University of
22 Barcelona, Barcelona, Spain.

23 C/ Casanova 143, (08036) Barcelona, Spain.

24 Tel: +34 93 403 72 63 // E-mail: dbartres@ub.edu

25

Download English Version:

<https://daneshyari.com/en/article/4932905>

Download Persian Version:

<https://daneshyari.com/article/4932905>

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