

Supplementary Data

Distinct Functional Activity of the Precuneus and Posterior Cingulate Cortex During Encoding in the Preclinical Stage of Alzheimer's Disease

Lorena Rami^{a,c}, Roser Sala-Lluch^b, Cristina Solé-Padullés^a, Juan Fortea^a, Jaume Olives^a, Albert Lladó^{a,c}, Cleofe Peña-Gómez^b, Mircea Balasa^a, Bea Bosch^{a,c}, Anna Antonell^{a,c}, Raquel Sanchez-Valle^{a,c}, David Bartres-Faz^b and Jose L. Molinuevo^{a,c,*}

^a*Alzheimer's Disease and Other Cognitive Disorders Unit, Neurology Service, Hospital Clínic, Barcelona, Spain*

^b*Department de Psiquiatria i Psicobiologia Clínica, Universitat de Barcelona, Barcelona, Spain*

^c*Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS), Barcelona, Spain*

Accepted 16 April 2012

Supplementary Table 1

Percent signal change between 'encoding' and 'control' blocks in the defined ROIs for the two groups and results of the between-group *t*-test analyses. Differences were considered significant when $p < 0.05$

	Controls	Pre-Alzheimer's disease	<i>t</i> -test
L-MFG	0.0057 (0.16)	-0.0062 (0.29)	$t = 0.14, p = 0.89$
L-OCC	-0.072 (0.16)	0.051 (0.49)	$t = 1.02, p = 0.31$
R-SFG	-0.045 (0.23)	-0.0018 (0.44)	$t = 0.35, p = 0.73$
R-MFG	-0.002 (0.27)	0.074 (0.34)	$t = 0.67, p = 0.51$
R-IFG	0.015 (0.24)	0.27 (0.72)	$t = 1.41, p = 0.17$
R-OCC	-0.072 (0.18)	0.033 (0.31)	$t = 1.14, p = 0.26$
PCC	-0.122 (0.15)	0.127 (0.2)	$t = 3.12, p = 0.004$
L-LOC	-0.07 (0.16)	0.05 (0.49)	$t = 0.81, p = 0.43$
R-LOC	-0.07 (0.18)	0.03 (0.31)	$t = 1.15, p = 0.26$

L-OCC: left occipital cortex; L-MFG: left middle frontal gyrus; R-OCC: right occipital cortex; R-MFG: right middle frontal gyrus; R-IFG: right inferior frontal gyrus; R-SFG: right superior frontal gyrus; PPC: precuneus and posterior cingulate cortex; L-LOC: left lateral occipital cortex; R-LOC: right lateral occipital cortex.

*Correspondence to: José Luis Molinuevo, M.D., Alzheimer's disease and Other Cognitive Disorders Unit, Neurology Service, Hospital Clínic, Villarroel 170. 08036, Barcelona, Spain. Tel.: +34 932275785; Fax: +34 932275783; E-mail: jlmoli@clinic.ub.es.