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## **Supplementary Material**

**Article Title:** Anosognosia Is an Independent Predictor of Conversion From Mild Cognitive Impairment to Alzheimer's Disease and Is Associated With Reduced Brain Metabolism

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**Supplementary eTable 1. Stepwise linear regression analyses to determine the relationship between anosognosia (ECog-composite) and FDG-PET brain metabolism after including covariates.**

Predictors	<i>B</i>	<i>95% CI</i>	<i>Partial Correlation</i>	<i>p</i>
<i>Healthy Comparison<sup>a</sup></i>				
CDR-SB	0.210	0.044 to 0.375	0.130	0.013
<i>MCI Nonconverters<sup>a</sup></i>				
CDR-SB	0.185	0.110 to 0.259	0.238	<0.001
<i>MCI Converters<sup>a</sup></i>				
CDR-SB	0.284	0.145 to 0.422	0.380	<0.001
<i>AD<sup>b</sup></i>				
CDR-SB	0.219	0.154 to 0.283	0.446	<0.001
Education	-0.070	0.154 to 0.283	-0.242	0.001
MoCA	0.037	0.010 to 0.064	0.199	0.007
FDG-PET combined	-0.178	-0.335 to -0.022	-0.166	0.026
FDG-PET PCC	-1.468	-2.111 to -0.826	-0.319	<0.001
FDG-PET Right Angular	-0.591	-1.188 to 0.006	-0.144	0.052

AD=Alzheimer's Dementia; MCI=Mild Cognitive, Impairment; FDG-PET=fluorine-18 fluorodeoxyglucose positron emission tomography; MoCA=Montreal Cognitive Assessment; CDR-SB=Clinical Dementia Rating Scale Sum of Boxes; PCC=posterior cingulate cortex.

<sup>a</sup> Variables excluded due to statistical insignificance: gender, ApoE4 carrier status, education, age, MoCA, and all FDG-PET ROIs.

<sup>b</sup> Variables excluded due to statistical insignificance: gender, ApoE4 carrier status, age, MoCA, left temporal, right temporal, and left angular ROIs.

**Supplementary eTable 2. Sensitivity and specificity of anosognosia (i.e ECog-composite) cut-off scores to predict conversion from MCI to dementia within 5 years.**

<b>Cut point</b>	<b>Sensitivity</b>	<b>Specificity</b>	<b>Total (n=525)</b>	<b>Converters (%)</b>	<b>Nonconverters (%)</b>	<b>Missing (%)</b>
≤-1.25	1.00	0.05	23	0 (0)	22 (95.7)	1 (4.3)
≤-1.00	0.95	0.09	44	5 (10.9)	39 (84.8)	2 (4.3)
<b>≤-0.75</b>	<b>0.93</b>	<b>0.15</b>	<b>72</b>	<b>7 (9.7)</b>	<b>61 (84.7)</b>	<b>4 (5.6)</b>
≤-0.50	0.88	0.25	117	13 (11.1)	99 (88.4)	5 (4.3)
≤-0.25	0.76	0.39	194	24 (12.4)	161 (83.0)	9 (4.6)
0	0.61	0.64	525	101 (19.2)	398 (75.8)	26 (5.0)
≥0.25	0.58	0.76	141	47 (32.0)	94 (63.9)	6 (4.1)
≥0.50	0.49	0.87	88	37 (40.2)	51 (55.4)	4 (4.3)
≥0.75	0.38	0.92	61	30 (47.6)	31 (49.2)	2 (3.2)
≥1.00	0.29	0.96	39	22 (55.0)	17 (42.5)	1 (2.5)
≥1.25	0.15	0.98	26	16 (61.5)	10 (38.5)	0 (0.0)

ECog-composite=Everyday Cognition – Study Partner Report (ECog-PR) minus the ECog – Participant Self-Report (ECog-SR); MCI=Mild Cognitive Impairment