

**Supplementary Table 2: Linear regression models of the associations between pre-stroke PASE quartiles, other baseline parameters and mean MDI-score differences one and six months after stroke. A sensitivity analysis without patients requiring open-label antidepressant therapy**

	One month MDI scores				Six month MDI scores			
	Unadjusted		Adjusted*		Unadjusted		Adjusted*	
	Mean differences (95% CI)	p-value	Mean differences (95% CI)	p-value	Mean differences (95% CI)	p-value	Mean differences (95% CI)	p-value
<b>Pre-stroke PASE score†</b>								
1 <sup>st</sup> quartile	Ref	-	Ref	-	Ref	-	Ref	-
2 <sup>nd</sup> quartile	-0.6 (-2.7, 1.5)	0.566	-0.1 (-2.2, 2.1)	0.954	-1.4 (-3.7, 0.9)	0.220	-1.2 (-3.5, 1.2)	0.335
3 <sup>rd</sup> quartile	-1.9 (-3.8, -0.1)	<b>0.043</b>	-2.0 (-3.8, -0.2)	<b>0.034</b>	-2.8 (-4.9, -0.8)	<b>0.008</b>	-3.0 (-5.1, -0.9)	<b>0.006</b>
4 <sup>th</sup> quartile	-2.8 (-4.4, -1.1)	<b>0.001</b>	-2.1 (-4.0, -0.2)	<b>0.029</b>	-2.7 (-4.9, -0.6)	<b>0.014</b>	-2.4 (-4.8, -0.03)	<b>0.048</b>
<b>Study treatment</b>								
Placebo	Ref	-	Ref	-	Ref	-	Ref	-
Citalopram	0.7 (-0.6, 2.1)	0.264	1.1 (-0.2, 2.4)	0.112	-0.6 (-2.0, 0.8)	0.419	-0.4 (-1.8, 1.0)	0.558
<b>Sex</b>								
Male	Ref	-	Ref	-	Ref	-	Ref	-
Female	1.3 (-0.1, 2.7)	0.065	1.7 (0.2, 3.2)	<b>0.022</b>	2.4 (0.8, 4.0)	<b>0.003</b>	2.1 (0.4, 3.9)	<b>0.014</b>
Age, per year increase	-0.001 (-0.1, 0.1)	0.964	-0.1 (-0.1, 0.01)	0.071	0.01 (-0.1, 0.1)	0.874	-0.1 (-0.1, 0.01)	0.105
<b>Cohabitation status</b>								
Living alone	Ref	-	Ref	-	Ref	-	Ref	-
Cohabitant	-0.01 (-1.4, 1.4)	0.986	0.3 (-1.2, 1.7)	0.705	-1.3 (-2.9, 0.3)	0.103	-0.7 (-2.4, 0.9)	0.364
<b>Smoking status</b>								
Never smoker	Ref	-	Ref	-	Ref	-	Ref	-
History of smoking	-1.0 (-2.3, 0.4)	0.171	-0.9 (-2.2, 0.4)	0.175	-0.1 (-1.6, 1.4)	0.892	0.2 (-1.3, 1.7)	0.812

<b>Medical history‡</b>								
<b>Diabetes</b>	0.7 (-1.3, 2.8)	0.470	0.8 (-1.2, 2.8)	0.434	-0.7 (-2.6, 1.3)	0.491	-1.1 (-3.0, 0.9)	0.271
<b>Hypertension</b>	1.5 (0.2, 2.8)	0.026	0.7 (-0.6, 2.1)	0.273	1.3 (-0.1, 2.7)	0.060	0.8 (-0.7, 2.3)	0.310
<b>Atrial fibrillation</b>	-1.2 (-2.8, 0.5)	0.168	-1.0 (-2.6, 0.6)	0.215	-0.3 (-2.2, 1.7)	0.792	-0.8 (-2.7, 1.1)	0.395
<b>Previous MI</b>	2.5 (-0.5, 5.6)	0.107	2.0 (-1.1, 5.1)	0.200	1.0 (-1.6, 3.7)	0.441	2.4 (-0.6, 5.3)	0.121
<b>Previous TIA</b>	2.4 (-4.0, 8.7)	0.464	2.2 (-4.0, 8.5)	0.484	-4.2 (-6.2, -2.3)	<b>&lt;0.001</b>	-4.3 (-6.4, -2.2)	<b>&lt;0.001</b>
<b>PVD</b>	3.5 (-1.3, 8.3)	0.151	4.3 (-1.2, 9.8)	0.128	1.8 (-1.8, 5.4)	0.335	1.6 (-2.5, 5.6)	0.455
<b>Admission NIHSS score, per point increase</b>	0.1 (-0.04, 0.2)	0.168	0.1 (-0.03, 0.3)	0.106	0.2 (0.03, 0.4)	<b>0.023</b>	0.2 (-0.01, 0.4)	0.064
<b>Reperfusion treatment</b>								
<b>No</b>	Ref	-	Ref	-	Ref	-	Ref	-
<b>Yes</b>	-0.1 (-1.4, 1.2)	0.874	-0.2 (-1.7, 1.2)	0.731	0.1 (-1.3, 1.6)	0.860	-0.2 (-1.7, 1.2)	0.746

MDI: Major depression inventory, CI: confidence interval, PASE: Physical Activity Scale for the Elderly, MI: myocardial infarction, TIA: transient ischemic attack, PVD: peripheral vascular disease, NIHSS: National Institute of Health Stroke Scale

\* Adjusted for citalopram treatment, sex, age, cohabitation, history of smoking, diabetes, hypertension, atrial fibrillation, myocardial infarction, transient ischemic attack, peripheral vascular disease, admission NIHSS score, and reperfusion treatment

† All pre-stroke PASE score quartiles are compared to the highest quartile (1<sup>st</sup> quartile)

‡ For all medical history variables the reference groups are patients who do not have the condition