

SUPPLEMENTAL MATERIAL

Personalized predictions of treatment outcome in patients with post-stroke depressive symptoms

SUPPLEMENTAL TABLES

Table I. All pre-treatment variables measured in the original trial (1).

Demographic variables
Sex
Age
Active employment
Injury-related variables
Time since stroke
Type of stroke
Location of stroke
Mini-Mental State Examination
Barthel Index
Stroke impact scale
Psychological variables
Hospital Anxiety and Depression Scale – Depression Subscale
Hospital Anxiety and Depression Scale – Anxiety Scale
Post-stroke Depression Rating Scale
Short stroke specific Quality of Life scale
Utrecht Proactive Coping Competency List
Utrecht Scale for Evaluation of Rehabilitation Participation – Frequency subscale
Utrecht Scale for Evaluation of Rehabilitation Participation – Restriction subscale
Utrecht Scale for Evaluation of Rehabilitation-Participation – Satisfaction subscale
EQ5D
Life Satisfaction questions
Cumulative Illness Rating Scale
Psychological variables spouse
Hospital Anxiety and Depression Scale
Caregiver Strain Index
Involvement and Evaluation Questionnaire-Brain Injury

Table II. Spearman Correlation Matrix of all variables included in the original trial (1).

Measure	MMSE	Barthel Index	CIRS	SIS score	HADS-D	HADS-A	PSDRS	SSQ	UPCC	USERP frequency	USERP restriction	USERP satisfaction	EQ5D	LS2	HADS spouse	CSI spouse	IEQ spouse
MMSE	-	0.058	0.087	0.013	-0.031	-0.013	0.204	-0.004	0.090	0.090	0.130	-0.076	0.059	-0.053	0.045	-0.125	-0.161
Barthel Index	0.058	-	0.127	0.048	0.043	-0.098	-0.055	0.045	0.020	0.347**	-0.013	0.001	0.126	-0.008	-0.054	-0.205	0.180
CIRS	0.087	0.127	-	-0.408**	0.160	0.355**	0.138	-0.254*	-0.018	-0.025	-0.180	-0.183	-0.280*	-0.098	0.040	0.202	0.406**
SIS score	0.013	0.048	-0.408**	-	-0.198	-0.129	-0.150	0.419**	0.261*	0.198	0.526**	0.298*	0.418**	0.209	-0.147	-0.322*	-0.314*
HADS-D	-0.031	0.043	0.160	-0.198	-	0.430**	0.431**	-0.402**	-0.152	-0.253*	-0.295*	-0.451**	-0.421**	-0.359**	-0.032	0.044	0.154
HADS-A	-0.013	-0.098	0.355**	-0.129	0.430**	-	0.504**	-0.397**	0.030	-0.038	-0.317*	-0.363**	-0.409**	-0.241	0.072	0.260	0.266
PSDRS	0.204	-0.055	0.138	-0.150	0.431**	0.504**	-	-0.414**	-0.113	-0.160	-0.245	-0.371**	-0.458**	-0.517**	-0.010	0.025	0.290
SSQ	-0.004	0.045	-0.254*	0.419**	-0.402**	-0.397**	-0.414**	-	0.330**	0.154	0.417**	0.611**	0.680**	0.501**	-0.168	-0.285*	-0.341*
UPCC	0.090	0.020	-0.018	0.261*	-0.152	0.030	-0.113	0.330**	-	0.161	0.299*	0.274*	0.322*	0.353**	-0.189	-0.248	-0.390**
USERP frequency	0.090	0.347**	-0.025	0.198	-0.253*	-0.038	-0.160	0.154	0.161	-	0.130	0.273*	0.186	0.236	-0.208	-0.167	-0.314*
USERP restriction	0.130	-0.013	-0.180	0.526**	-0.295*	-0.317*	-0.245	0.417**	0.299*	0.130	-	0.524**	0.509**	0.313*	-0.241	-0.460**	-0.434**
USERP satisfaction	-0.076	0.001	-0.183	0.298*	-0.451**	-0.363**	-0.371**	0.611**	0.274*	0.273*	0.524**	-	0.697**	0.532**	-0.219	-0.319*	-0.391**
EQ5D	0.059	0.126	-0.280*	0.418**	-0.421**	-0.409**	-0.458**	0.680**	0.322*	0.186	0.509**	0.697**	-	0.659**	-0.083	-0.273	-0.424**
LS2	-0.053	-0.008	-0.098	0.209	-0.359**	-0.241	-0.517**	0.501**	0.353**	0.236	0.313*	0.532**	0.659**	-	-0.209	-0.268	-0.488**
HADS spouse	0.045	-0.054	0.040	-0.147	-0.032	0.072	-0.010	-0.168	-0.189	-0.208	-0.241	-0.219	-0.083	-0.209	-	0.462**	0.453**
CSI spouse	-0.125	-0.205	0.202	-0.322*	0.044	0.260	0.025	-0.285*	-0.248	-0.167	-0.460**	-0.319*	-0.273	-0.268	0.462**	-	0.637**
IEQ - BI spouse	-0.161	0.180	0.406**	-0.314*	0.154	0.266	0.290	-0.341*	-0.390**	-0.314*	-0.434**	-0.391**	-0.424**	-0.488**	0.453**	0.637**	-

* $p < 0.05$; ** $p < 0.01$

MMSE, Mini-Mental State Examination; CIRS, Cumulative Illness Rating Scale; SIS, stroke impact scale; HADS, Hospital Anxiety and Depression Scale; PSDRS, Post-stroke Depression Rating Scale; SSQ, Short stroke specific Quality of Life scale; UPCC, Coping Competency List; USERP, Utrecht Scale for Evaluation of Rehabilitation-Participation; LS2, Life Satisfaction questions; CSI, Caregiver Strain Index; IEQ - BI, Involvement and Evaluation Questionnaire-Brain Injury.

References

1. Kootker JA, Rasquin SM, Lem FC, van Heugten CM, Fasotti L, Geurts AC. Augmented Cognitive Behavioral Therapy for Poststroke Depressive Symptoms: A Randomized Controlled Trial. Arch Phys Med Rehabil. 2017; 98: 687-694.