SUPPLEMENT

Additional Results ECM Analyses Including Negative Correlations

Different approaches to account for negative correlations between time courses in the similarity matrices: ADD= negative and positive correlations are considered by adding a +1 to all values, ABS= negative and positive correlations are weighted equally by using their absolute value, and NEG= taking only negative correlations into account.

TABLES

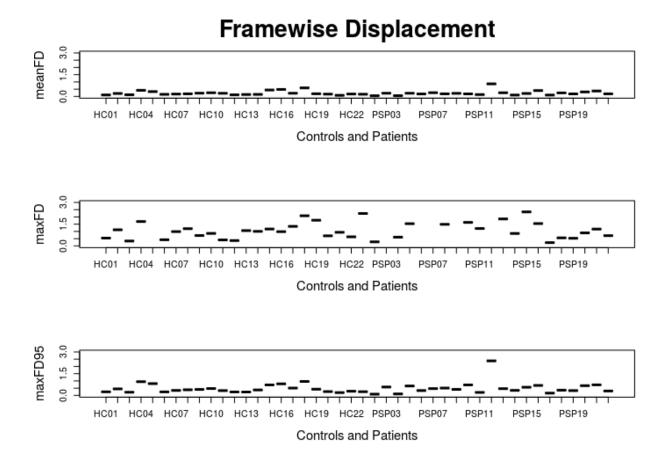
	Scanner		Rs-fl	MRI				T1-M	RI
Cohort	Manufactur	Model	TE	TR	Volumes	Flip-	Dimension	TE	TR
	er					angle			
Prague A	Siemens	TrioTim	30	2000	304	70°	3*3*3	2.3	2300
Prague B	Siemens	Skyra	30	2000	304	70°	3*3*3.45	2.3	2300
FTLD	Siemens	Prisma,	30	2000	300	90°	3*3*5	2.98	2300
		Skyra,							
		TrioTim,							
		Verio							
Echotime (TE) and Repetition time (TR) in ms. Abbreviations rs-fMRI resting-state functional magnetic									
resonance	tomography.								

Supplemental Table 1 Scanner and Parameter applied in the respective cohorts.

Supplemental Table 2 Framewise displacement (FD) measures in the different cohorts.

Cohort	Mean FD	Statistical differences	Max FD	Statistical differences	Max FD 95%	Statistical differences
Prague vs.	0.214±0.153	t=-0.981,	1.730±1.536	t=2.313,	0.486±0.412	t=0.071,
-		df=26,		df=40,		df=39,
FTLD	0.262±0.151	p=0.336	1.005±0.522	p=0.026	0.479±0.251	p=0.944
PSP vs.	0.228±0.170	t=0.046,	1.913±1.670	t=-2.132,	0.517±0.461	t=-0.593,
		df=40,	1.087±0.723	df=29,	0.451±0.242	df=33,
Controls	0.230±0.137	p=0.964		p=0.042		p=0.557

Mean±standard deviations in mm are shown for mean FD, maximum FD and maximum FD after removing the 5% largest movements. Student's *T*-test was applied to compare numerical variables.



Supplemental Figure 1 Framewise displacement (FD) measures before motion correction in progressive supranuclear palsy (PSP) and healthy controls group (HC).