

Supplementary Material

Article Title: Exploring Vascular Endothelial Growth Factor and Other Blood-Brain Barrier Biomarkers in Cognition of First-Episode Psychosis: An Observational Study

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LIST OF SUPPLEMENTARY MATERIAL FOR THE ARTICLE

1. [Table 1](#) Correlations of Neurocognition and Inflammatory Biomarkers in Siblings Group
2. [Table 2](#) Correlations of Neurocognition and Inflammatory Biomarkers in Control Group

DISCLAIMER

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Supplementary Table 1. Correlations of neurocognition and inflammatory biomarkers in siblings group

Cognitive domain	Statistic	CCL2	CCL3	CX3CL1	CCL11	CXCL12	BDNF	VEGF
Attention	r value	-0.034	-0.071	0.028	-0.538	0.168	-0.162	-0.142
	p value	0.879	0.788	0.902	0.010	0.456	0.472	0.529
Speed processing	r value	0.029	-0.002	-0.140	-0.355	0.085	-0.245	-0.448
	p value	0.898	0.993	0.534	0.105	0.707	0.271	0.037
Verbal memory	r value	0.218	-0.095	-0.117	0.005	-0.250	0.080	-0.151
	p value	0.330	0.716	0.603	0.983	0.262	0.724	0.503
Visual memory	r value	0.266	0.180	0.018	-0.171	-0.006	0.125	-0.219
	p value	0.231	0.489	0.937	0.447	0.981	0.578	0.328
Working memory	r value	0.074	-0.142	-0.348	-0.354	-0.094	-0.084	-0.268
	p value	0.743	0.587	0.113	0.106	0.677	0.711	0.228
Executive functioning	r value	-0.050	-0.025	-0.104	-0.173	-0.329	-0.284	-0.240
	p value	0.826	0.925	0.644	0.443	0.135	0.201	0.283
Social cognition	r value	0.072	-0.186	-0.031	-0.284	-0.125	-0.315	0.097
	p value	0.744	0.475	0.887	0.189	0.571	0.144	0.660
Cognition total score	r value	0.202	-0.140	-0.163	-0.466	-0.103	-0.203	-0.256
	p value	0.380	0.605	0.480	0.033	0.657	0.378	0.262

Correlations for p values under 0.05 are typed in bold. *p values under 0.006 (significant after Bonferroni correction). **Please refer to**

the abbreviations and footnotes of Tables 1 and 2 for a detailed explanation.

Supplementary Table 2. Correlations of neurocognition and inflammatory biomarkers in control group

Cognitive domain	Statistic	CCL2	CCL3	CX3CL1	CCL11	CXCL12	BDNF	VEGF
Attention	r value	-0.175	-0.022	0.061	0.206	-0.017	-0.211	-0.400
	p value	0.473	0.938	0.803	0.398	0.944	0.385	0.090
Speed processing	r value	0.249	0.117	0.357	0.139	0.233	-0.455	-0.074
	p value	0.304	0.677	0.133	0.571	0.336	0.050	0.763
Verbal memory	r value	0.128	0.056	-0.133	0.051	-0.375	0.244	-0.187
	p value	0.601	0.843	0.588	0.834	0.114	0.315	0.443
Visual memory	r value	0.366	0.202	-0.303	0.392	-0.402	0.156	-0.131
	p value	0.124	0.471	0.207	0.097	0.088	0.524	0.594
Working memory	r value	-0.314	-0.068	0.207	-0.008	0.249	-0.121	-0.454
	p value	0.191	0.810	0.396	0.973	0.304	0.622	0.051
Executive functioning	r value	0.000	-0.135	0.244	0.058	0.257	0.120	0.011
	p value	0.999	0.631	0.315	0.815	0.288	0.625	0.963
Social cognition	r value	-0.194	0.192	-0.209	0.308	0.044	-0.006	-0.117
	p value	0.426	0.493	0.390	0.200	0.857	0.981	0.632
Cognition total score	r value	-0.013	-0.077	-0.082	0.300	-0.187	-0.160	-0.481
	p value	0.960	0.795	0.747	0.227	0.457	0.525	0.043

Correlations for p values under 0.05 are typed in bold. *p values under 0.006 (significant after Bonferroni correction). **Please refer to**

the abbreviations and footnotes of Tables 1 and 2 for a detailed explanation.