OPEN **Publisher Correction:** The association between carotid blood flow and resting-state brain activity in patients with cerebrovascular diseases

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The original version of this Article contained errors in the arrangement of Tables 1, 2 and 3 where the heading rows “Left CCA” and “Right CCA” were incorrectly split as “Left”, “CCA” and “Right”, “CCA”.

The original Tables 1, 2 and 3 and accompanying legends appear below.

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	DA			PSV			EDV			MV			PI		
	<i>r</i>	<i>P</i> (unc.)	<i>P</i> (FDR)	<i>r</i>	<i>P</i> (unc.)	<i>P</i> (FDR)	<i>r</i>	<i>P</i> (unc.)	<i>P</i> (FDR)	<i>r</i>	<i>P</i> (unc.)	<i>P</i> (FDR)	<i>r</i>	<i>P</i> (unc.)	<i>P</i> (FDR)
Left															
PSV	− 0.644	<0.001*	<0.001*												
CCA															
EDV	− 0.339	0.035*	0.047*	0.646	<0.001*	<0.001*									
MV	− 0.548	0.001*	0.002*	0.793	<0.001*	<0.001*	0.907	<0.001*	<0.001*						
PI	− 0.054	0.388	0.416	0.083	0.346	0.400	− 0.632	<0.001*	<0.001*	− 0.492	0.003*	0.005*			
RI	− 0.132	0.271	0.339	0.027	0.446	0.446	− 0.712	<0.001*	<0.001*	− 0.475	0.007*	0.011*	0.927	<0.001*	<0.001*
Right															
PSV	− 0.634	<0.001*	<0.001*												
CCA															
EDV	− 0.660	<0.001*	0.001*	0.809	<0.001*	<0.001*									
MV	− 0.722	<0.001*	<0.001*	0.923	<0.001*	<0.001*	0.944	<0.001*	<0.001*						
PI	0.252	0.104	0.196	0.152	0.235	0.320	− 0.175	0.161	0.243	− 0.107	0.256	0.320			
RI	− 0.055	0.335	0.377	0.110	0.162	0.243	− 0.310	0.002*	0.003*	− 0.083	0.394	0.394	− 0.018	0.352	0.377

Table 1. Correlation matrix within sided ultrasonographic parameters. *DA* diameter of artery, *CCA* common carotid arteries, *EDV* end-diastolic velocity, *MV* mean velocity, *P* (unc.) uncorrected *p* values of bootstrapping statistics, *PI* pulsatility index, *r* average correlation coefficient across bootstrap iterations, *PSV* peak systolic flow velocity, *RI* resistance index, *P* (FDR) *p* values of bootstrapping statistics with FDR-correction. *A statistically significant correlation after FDR correction.

	DA			PSV			EDV			MV		
	<i>r</i>	P (unc.)	P (FDR)	<i>r</i>	P (unc.)	P (FDR)	<i>r</i>	P (unc.)	P (FDR)	<i>r</i>	P (unc.)	P (FDR)
Left												
MF	0.262	0.154	0.284	− 0.231	0.158	0.284	0.169	0.187	0.305	− 0.014	0.467	0.480
CCA												
IAF	− 0.003	0.480	0.480	− 0.143	0.273	0.351	0.125	0.260	0.351	0.028	0.432	0.480
SE	0.293	0.107	0.241	0.063	0.368	0.442	0.288	0.045*	0.135	0.126	0.254	0.351
Mot	− 0.130	0.255	0.352	− 0.161	0.215	0.352	− 0.109	0.313	0.352	− 0.114	0.303	0.352
Cog	− 0.070	0.323	0.352	− 0.025	0.461	0.461	0.217	0.130	0.352	0.179	0.162	0.352
Right												
MF	0.419	0.042*	0.095	− 0.484	0.007*	0.024*	− 0.421	0.013*	0.039*	− 0.506	0.004*	0.024*
CCA												
IAF	0.358	0.018*	0.046*	− 0.480	0.005*	0.024*	− 0.390	0.006*	0.024*	− 0.475	0.002*	0.024*
SE	0.332	0.055	0.110	− 0.094	0.325	0.344	− 0.205	0.178	0.233	− 0.248	0.114	0.186
Mot	0.101	0.299	0.359	− 0.125	0.251	0.359	− 0.110	0.281	0.359	− 0.142	0.230	0.359
Cog	0.177	0.085	0.255	− 0.204	0.128	0.307	− 0.354	0.002*	0.026*	− 0.336	0.008*	0.049*
	PI			RI								
	<i>r</i>	P (unc.)	P (FDR)	<i>r</i>	P (unc.)	P (FDR)						
Left												
MF	− 0.433	0.006*	0.050*	− 0.502	0.002*	0.040*						
CCA												
IAF	− 0.327	0.022*	0.080	− 0.359	0.015*	0.071						
SE	− 0.253	0.091	0.233	− 0.396	0.016*	0.071						
Mot	− 0.161	0.231	0.352	− 0.102	0.318	0.352						
Cog	− 0.376	0.029*	0.211	− 0.318	0.035*	0.211						
Right												
MF	− 0.187	0.143	0.214	0.083	0.277	0.312						
CCA												
IAF	− 0.145	0.182	0.233	0.001	0.392	0.392						
SE	0.127	0.239	0.287	0.187	0.087	0.157						
Mot	− 0.015	0.480	0.480	− 0.025	0.389	0.424						
Cog	0.181	0.181	0.359	0.203	0.032*	0.128						

Table 2. Correlation matrix between sided ultrasonographic parameters, MEG spectral parameters, and FIM. *CCA* common carotid arteries, *Cog*. cognitive-FIM score, *FIM* functional independent measurement, *IAF* individual alpha frequency, *MEG* magnetoencephalography, *MF* median frequency, *Mot* motor-FIM score, *P* (FDR) *p* values of bootstrapping statistics with FDR-correction, *P* (unc.) uncorrected *p* values of bootstrapping statistics, *PI* pulsatility index, *r* average correlation coefficient across bootstrap iterations, *RI* resistance index, *SE* Shannon entropy. *A statistically significant correlation after FDR correction.

	DA				PSV				EDV				MV			
	β	t	P (unc.)	P (FDR)	β	t	P (unc.)	P (FDR)	β	t	P (unc.)	P (FDR)	β	t	P (unc.)	P (FDR)
Left																
MF	1.133	1.757	0.094	0.375	− 0.049	− 2.001	0.059	0.355	0.023	0.248	0.806	0.887	− 0.050	− 0.840	0.411	0.616
CCA																
IAF	0.054	0.208	0.837	0.887	− 0.010	− 0.939	0.359	0.587	0.002	0.078	0.938	0.938	− 0.009	− 0.447	0.660	0.887
SE	0.026	1.702	0.104	0.375	< 0.001	− 0.270	0.790	0.887	0.002	0.977	0.340	0.587	< 0.001	− 0.252	0.803	0.887
Mot	− 4.294	− 0.784	0.442	0.892	− 0.147	− 0.654	0.521	0.892	− 0.185	− 0.279	0.783	0.961	− 0.120	− 0.262	0.796	0.961
Cog	0.089	0.050	0.961	0.961	− 0.051	− 0.719	0.480	0.892	0.011	0.054	0.958	0.961	− 0.031	− 0.218	0.830	0.961
Right																
MF	2.063	2.965	0.008*	0.036*	− 0.063	− 3.561	0.002*	0.023*	− 0.209	− 2.343	0.030*	0.089	− 0.148	− 3.449	0.003*	0.023*
CCA																
IAF	0.636	2.181	0.041*	0.106	− 0.022	− 2.943	0.008*	0.036*	− 0.059	− 1.935	0.067	0.151	− 0.049	− 2.662	0.015*	0.054
SE	0.045	1.764	0.093	0.186	− 0.001	− 1.104	0.283	0.391	− 0.005	− 1.236	0.231	0.346	− 0.003	− 1.422	0.170	0.307
Mot	3.311	0.491	0.629	0.876	− 0.110	− 0.599	0.556	0.876	− 0.332	− 0.451	0.657	0.876	− 0.282	− 0.614	0.546	0.876
Cog	2.718	1.286	0.213	0.682	− 0.072	− 1.246	0.227	0.682	− 0.377	− 1.792	0.088	0.530	− 0.263	− 1.973	0.062	0.530
	PI				RI											
	β	t	P (unc.)	P (FDR)	β	t	P (unc.)	P (FDR)								
Left																
MF	− 2.939	− 2.078	0.051	0.355	− 20.887	− 2.675	0.015*	0.262								
CCA																
IAF	− 0.717	− 1.259	0.222	0.500	− 5.024	− 1.543	0.139	0.416								
SE	− 0.073	− 1.105	0.282	0.564	− 0.493	− 1.353	0.191	0.491								
Mot	− 15.064	− 1.250	0.226	0.892	− 59.157	− 0.829	0.417	0.892								
Cog	− 4.370	− 1.116	0.278	0.892	− 21.971	− 0.959	0.349	0.892								
Right																
MF	− 1.753	− 0.954	0.352	0.452	0.588	0.251	0.804	0.852								
CCA																
IAF	− 0.443	− 0.615	0.545	0.654	− 0.149	− 0.179	0.859	0.859								
SE	0.013	0.313	0.758	0.852	0.066	1.353	0.191	0.313								
Mot	− 1.235	− 0.088	0.931	0.931	1.899	0.108	0.915	0.931								
Cog	4.760	1.080	0.293	0.703	0.660	0.116	0.909	0.931								

Table 3. Results of LMEM examining the effects of the left ultrasonographic parameters on MEG spectral parameters and FIM. CCA common carotid arteries, Cog. cognitive-FIM score, FIM functional independent measurement, IAF individual alpha frequency, LMEM linear mixed-effect model, MEG magnetoencephalography, MF median frequency, Mot. motor-FIM score, P (FDR) p values of bootstrapping statistics with FDR-correction, P (unc.) uncorrected p values of t test, SE Shannon entropy. β , estimated coefficient of the predictor. t , t -values for testing the null hypothesis that the coefficients are equal to zero. *The terms that make significant contributions to the model.

The original Article has now been corrected.

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