

Supplementary Table 1. Comparison of cortical thickness according to impulsivity level in female participants

Cortical regions	High impulsivity group (N=16)		Low impulsivity group (N=27)		F _(1,38)	p-value
	Mean	SD	Mean	SD		
Left hemisphere						
Frontomarginal gyrus	2.377	0.153	2.388	0.128	0.092	0.763
Inferior occipital gyrus	2.489	0.141	2.602	0.185	2.222	0.144
Paracentral lobule	2.321	0.244	2.378	0.143	0.331	0.569
Subcentral gyrus	2.718	0.192	2.752	0.177	0.084	0.774
Transverse frontopolar gyrus	2.564	0.199	2.639	0.205	1.091	0.303
Anterior cingulate gyrus	2.685	0.163	2.805	0.103	12.101	0.001
Anterior mid-cingulate gyrus	2.698	0.134	2.726	0.150	0.171	0.682
Posterior mid-cingulate gyrus	2.571	0.202	2.625	0.145	1.775	0.191
Dorsal posterior cingulate gyrus	2.632	0.546	2.834	0.420	2.267	0.140
Ventral posterior cingulate gyrus	2.579	0.193	2.670	0.297	1.133	0.294
Cuneus	1.852	0.284	1.821	0.245	0.801	0.376
Pars opercularis	2.705	0.234	2.885	0.151	11.420	0.002
Pars orbitalis	2.671	0.291	2.789	0.245	1.797	0.188
Pars triangularis	2.652	0.197	2.700	0.175	0.389	0.536
Middle frontal gyrus	2.766	0.300	2.788	0.193	0.002	0.966
Superior frontal gyrus	2.988	0.318	3.054	0.267	0.093	0.763
Long insular gyrus	2.841	0.344	2.963	0.231	1.955	0.170
Short insular gyrus	3.127	0.633	3.318	0.485	2.107	0.155
Middle occipital gyrus	2.516	0.128	2.632	0.134	5.186	0.028
Superior occipital gyrus	2.029	0.208	2.089	0.187	1.009	0.322
Lateral occipito-temporal gyrus	2.770	0.231	2.783	0.195	0.616	0.437
Lingual gyrus	2.032	0.290	1.985	0.163	1.183	0.284
Parahippocampal gyrus	2.851	0.280	2.932	0.215	1.869	0.180
Orbital gyrus	2.637	0.206	2.691	0.147	1.274	0.266
Angular gyrus	2.538	0.181	2.674	0.154	6.884	0.012
Supramarginal gyrus	2.554	0.324	2.759	0.244	6.884	0.012
Superior parietal lobule	2.404	0.180	2.423	0.166	0.018	0.894
Postcentral gyrus	2.164	0.194	2.216	0.154	0.330	0.569
Precentral gyrus	2.724	0.209	2.798	0.243	1.211	0.278
Precuneus	2.435	0.156	2.538	0.128	5.823	0.021
Straight gyrus	2.531	0.319	2.753	0.252	8.808	0.005
Subcallosal gyrus	2.464	0.283	2.459	0.309	0.064	0.801
Anterior transverse temporal gyrus	2.469	0.479	2.220	0.370	5.561	0.024
Lateral superior temporal gyrus	2.832	0.253	2.991	0.227	5.579	0.023
Planum polare	3.241	0.354	3.429	0.270	3.898	0.056
Planum temporale	2.548	0.206	2.642	0.198	1.951	0.171
Inferior temporal gyrus	2.724	0.291	2.980	0.254	7.944	0.008
Middle temporal gyrus	2.934	0.266	3.111	0.175	7.011	0.012
Right hemisphere						
Frontomarginal gyrus	2.304	0.209	2.393	0.195	2.219	0.145
Inferior occipital gyrus	2.596	0.174	2.771	0.223	6.391	0.016
Paracentral lobule	2.359	0.196	2.346	0.260	0.028	0.868
Subcentral gyrus	2.642	0.166	2.787	0.176	5.648	0.023
Transverse frontopolar gyrus	2.588	0.224	2.604	0.168	0.054	0.818
Anterior cingulate gyrus	2.686	0.182	2.792	0.137	5.878	0.020
Anterior mid-cingulate gyrus	2.736	0.153	2.821	0.124	3.126	0.085
Posterior mid-cingulate gyrus	2.603	0.155	2.667	0.183	1.181	0.284
Dorsal posterior cingulate gyrus	2.658	0.543	2.862	0.394	2.620	0.114
Ventral posterior cingulate gyrus	2.658	0.240	2.812	0.278	2.858	0.099
Cuneus	1.926	0.354	1.852	0.266	1.374	0.248
Pars opercularis	2.769	0.172	2.839	0.187	2.962	0.093
Pars orbitalis	2.647	0.175	2.851	0.227	10.638	0.002
Pars triangularis	2.657	0.170	2.777	0.158	7.109	0.011
Middle frontal gyrus	2.776	0.297	2.819	0.231	0.051	0.822
Superior frontal gyrus	3.001	0.304	3.052	0.228	0.161	0.691
Long insular gyrus	2.851	0.361	3.121	0.364	7.016	0.012
Short insular gyrus	2.978	0.584	3.164	0.427	3.436	0.072
Middle occipital gyrus	2.565	0.110	2.644	0.145	2.639	0.113
Superior occipital gyrus	2.065	0.197	2.162	0.170	2.614	0.114
Lateral occipito-temporal gyrus	2.792	0.226	2.837	0.168	0.502	0.483
Lingual gyrus	2.114	0.289	2.009	0.212	2.595	0.116
Parahippocampal gyrus	2.902	0.301	2.977	0.311	2.158	0.150
Orbital gyrus	2.599	0.216	2.717	0.186	4.177	0.048
Angular gyrus	2.530	0.193	2.642	0.135	6.974	0.012
Supramarginal gyrus	2.492	0.324	2.708	0.274	6.939	0.012
Superior parietal lobule	2.365	0.165	2.426	0.132	1.720	0.198
Postcentral gyrus	2.082	0.194	2.176	0.136	3.066	0.088
Precentral gyrus	2.713	0.236	2.817	0.193	3.574	0.066
Precuneus	2.521	0.217	2.526	0.184	0.009	0.925
Straight gyrus	2.502	0.362	2.679	0.241	3.705	0.062
Subcallosal gyrus	2.653	0.404	2.581	0.480	0.119	0.732
Anterior transverse temporal gyrus	2.401	0.483	2.355	0.391	0.511	0.479
Lateral superior temporal gyrus	2.803	0.352	3.041	0.274	7.983	0.007
Planum polare	3.059	0.336	3.193	0.292	3.057	0.088
Planum temporale	2.545	0.186	2.588	0.221	0.724	0.400
Inferior temporal gyrus	2.740	0.269	2.919	0.278	3.993	0.053
Middle temporal gyrus	2.848	0.299	3.033	0.244	5.206	0.028

One-way ANCOVA, including age, education level, and total intracranial volume as covariates, was performed. Significant group differences after Bonferroni correction are presented in bold. Bonferroni correction was applied for multiple comparisons: $p < 0.05/76 = 0.000658$. SD: standard deviation