

<i>Row</i>	<i>Estimate</i>	<i>SE</i>	<i>DF</i>	<i>T</i>	<i>p</i>	<i>q</i>
(Intercept)	0.323	0.060	380.545	5.400	0.000	0.000
Sex	-0.077	0.018	264.087	-4.203	0.000	0.000
tSNR	-0.001	0.000	450.477	-3.068	0.002	0.006
yto	-0.001	0.001	297.178	-0.906	0.366	0.418
Group	-0.037	0.063	419.197	-0.589	0.556	0.556
ns(yto)	0.293	0.105	294.605	2.802	0.005	0.011
Sex:Group	0.057	0.025	262.823	2.304	0.022	0.035
tSNR:Group	0.001	0.000	484.677	2.012	0.045	0.060

**Figure 3. Results of Somatomotor network analysis.** The linear and non-linear effects of years-to-onset are represented by “yto” and “ns(yto),” respectively. *SE* = standard error of the mean, *DF* = degrees of freedom, *T* = t-value, *p* = p-value, *q* = FDR adjusted p-value.

<i>Row</i>	<i>Estimate</i>	<i>SE</i>	<i>DF</i>	<i>T</i>	<i>p</i>	<i>q</i>
(Intercept)	0.429	0.057	402.946	7.532	0.000	0.000
Sex	-0.066	0.017	267.958	-3.922	0.000	0.000
tSNR	-0.002	0.000	492.488	-4.828	0.000	0.000
yto	-0.000	0.001	303.759	-0.297	0.767	0.767
Group	-0.023	0.055	463.727	-0.408	0.683	0.767
Motion	-0.284	0.102	493.076	-2.789	0.005	0.012
ns(yto)	0.212	0.096	304.686	2.223	0.027	0.048
Sex:Group	0.027	0.023	267.566	1.204	0.230	0.295
tSNR:Group	0.001	0.000	533.394	1.813	0.070	0.106

**Figure 4. Results of Frontoparietal network analysis.** The linear and non-linear effects of years-to-onset are represented by “yto” and “ns(yto),” respectively. *SE* = standard error of the mean, *DF* = degrees of freedom, *T* = t-value, *p* = p-value, *q* = FDR adjusted p-value.

<i>Row</i>	<i>Estimate</i>	<i>SE</i>	<i>DF</i>	<i>T</i>	<i>p</i>	<i>q</i>
(Intercept)	0.328	0.053	394.049	6.152	0.000	0.000
Sex	-0.069	0.017	261.236	-4.173	0.000	0.000
tSNR	-0.001	0.000	473.474	-3.423	0.001	0.002
yto	-0.001	0.001	296.056	-0.713	0.477	0.545
Group	0.034	0.056	436.062	0.603	0.547	0.547
ns(yto)	0.256	0.094	294.228	2.713	0.007	0.014
Sex:Group	0.040	0.022	260.557	1.786	0.075	0.120
tSNR:Group	0.000	0.000	506.243	0.739	0.460	0.545

**Figure 5. Results of Ventral Attention network analysis.** The linear and non-linear effects of years-to-onset are represented by “yto” and “ns(yto),” respectively. *SE* = standard error of the mean, *DF* = degrees of freedom, *T* = t-value, *p* = p-value, *q* = FDR adjusted p-value.

<i>Row</i>	<i>Estimate</i>	<i>SE</i>	<i>DF</i>	<i>T</i>	<i>p</i>	<i>q</i>
(Intercept)	0.123	0.018	473.648	6.933	0.000	0.000
Sex	-0.038	0.009	306.768	-4.290	0.000	0.000
yto	0.000	0.000	353.508	0.831	0.407	0.458
Group	-0.010	0.014	346.958	-0.743	0.458	0.458
tSNR	-0.000	0.000	556.190	-1.924	0.055	0.110
Sex:Group	0.015	0.012	301.689	1.232	0.219	0.328

<i>Row</i>	<i>Estimate</i>	<i>SE</i>	<i>DF</i>	<i>T</i>	<i>p</i>	<i>q</i>
(Intercept)	0.315	0.048	410.755	6.623	0.000	0.000
Sex	-0.073	0.015	271.304	-4.884	0.000	0.000
tSNR	-0.001	0.000	492.249	-3.628	0.000	0.001
yto	-0.000	0.001	304.063	-0.234	0.815	0.815
Group	0.013	0.050	457.344	0.263	0.793	0.815
ns(yto)	0.196	0.085	304.802	2.306	0.022	0.044
Sex:Group	0.040	0.020	270.743	1.990	0.048	0.076
tSNR:Group	0.000	0.000	527.791	0.816	0.415	0.553

**Figure 6. Results of Limbic (left) and Default mode (right) network analyses.** The linear and non-linear effects of years-to-onset are represented by “yto” and “ns(yto),” respectively. *SE* = standard error of the mean, *DF* = degrees of freedom, *T* = t-value, *p* = p-value, *q* = FDR adjusted p-value.