Table S1. The number of valid ERP trials for P300, MMN and CNV waveforms across groups.

Group	Sample size	Number of P300 target stimuli trials (Mean ± SD)	Number of MMN deviant stimuli trials (Mean ± SD)	Number of CNV stimuli trials (Mean ± SD)
HC	16	47.6250±3.0304	75.3750±3.6125	133.0625±14.5027
tSAH	33	48.8182±1.5503	75.0606±3.6652	133.0303±11.2347
CI	18	48.6667±1.7823	74.0000±4.0293	130.6667±12.1413
NC	15	49.0000±1.2536	76.3333±2.7946	135.8667±9.6796

Table S2. Between-group comparisons of the number of valid ERP trials.

Data block	Comparison group	n1	n2	U value	Z value	p value	Mann-Whitney conclusion
P300	tSAH vs HC	33	16	218.5000	-1.0083	0.3133	Not significant
P300	CI vs NC	18	15	126.5000	-0.3068	0.7590	Not significant
MMN	tSAH vs HC	33	16	253.5000	-0.2147	0.8300	Not significant
MMN	CI vs NC	18	15	94.0000	-1.4772	0.1396	Not significant
CNV	tSAH vs HC	33	16	241.0000	-0.4803	0.6310	Not significant
CNV	CI vs NC	18	15	100.0000	-1.2486	0.2118	Not significant

Table S3. Statistics of interpolated EEG channels of participants.

Paradigm	Group	Valid Participants	Interpolated Participants	Mean Interpolated Electrodes per Subject	SD of Interpolated Electrodes per Subject	Median Interpolated Electrodes per Subject	Minimum	Maximum	Total Interpolated Channels
P300	HC	16	8	0.5625	0.6292	0.5	0	2	9
P300	tSAH	33	18	0.8485	0.9395	1	0	3	37
P300	CI	18	12	1.0556	0.9984	1	0	3	23
P300	NC	15	6	0.6	0.8281	0	0	2	14
MMN	HC	16	11	1.0625	0.9287	1	0	3	17
MMN	tSAH	33	19	0.9394	1.088	1	0	4	34
MMN	CI	18	10	0.7778	0.8782	1	0	3	16
MMN	NC	15	9	1.1333	1.302	1	0	4	18
CNV	HC	16	11	1.375	1.2042	1.5	0	4	22
CNV	tSAH	33	21	1.4545	1.5429	1	0	5	48
CNV	CI	18	13	2	1.7823	2	0	5	36
CNV	NC	15	8	0.8	0.8619	1	0	2	12