

The effects of transcranial alternating current stimulation (tACS) at individual alpha peak frequency (iAPF) on motor cortex excitability in young and elderly adults

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1 Akaike Information Criterion (AIC) values

Single pulse TMS		I/O curve	
Random intercept model only: 82069.061		Random intercept model only: 134551.711	
+ Time	81902.664	+ Time	134514.345
+ Stimulation	81530.075	+ Intensity	131264.586
+ Time x stimulation	81438.831	+ Time x Intensity	131262.884
+ Group	81439.485	+ Stimulation	131228.403
+ Group x stimulation	81425.688	+ Stimulation x time	131203.832
+ Group x time	81405.003	+ Stimulation x intensity	131198.144
+ Group x stimulation x time	81409.285	+ Stimulation x intensity x time	131205.759
		+ Group	131207.245
		+ Group x time	131208.895
		+ Group x intensity	131167.916
		+ Group x stimulation	131122.754
		+ Group x intensity x time	131131.741
		+ Group x stimulation x time	131056.276
		+ Group x stimulation x intensity	131026.428
		+ Group x stimulation x time x intensity	131014.705
SICI		ICF	
Random intercept model only: 5955.649		Random intercept model only: 7947.609	
+ Time	5949.870	+ Time	7932.632
+ Stimulation	5943.366	+ Stimulation	7924.767
+ Stimulation x time	5903.721	+ Stimulation x time	7926.361
+ Group	5904.744	+ Group	7922.534
+ Group x stimulation	5898.638	+ Group x stimulation	7921.139
+ Group x time	5855.125	+ Group x time	7910.525
+ Group x time x stimulation	5842.224	+ Group x time x stimulation	7914.736

Table 1 AIC values of single-pulse TMS, I/O curve, SICI and ICF models. AIC values was determined by adding a factor to the model one-at-a-time. A decrease or increase in AIC value (> 2) upon the addition of a factor indicates model fit improvement or worsening, respectively.