Additional file 3. Statistical results of the ANOVA on the fEEG and fNIRS brain parameters for the paced-reaching task.

Α.		GROUP	HEMISPHERE	HAND	CONDITION
fEEC	ថ្ង				
	Alpha ERD	$F(1, 23) = 0.00, p = .997, \eta_p^2 = .00$	$F(1, 23) = 0.08, p = .770, \eta^2_p = .00$	$F(1, 23) = 0.29, p = .145, \eta_p^2 = .09$	$F(1, 23) = 0.49, p = .492, \eta_p^2 = .02$
	Beta ERD	$F(1, 23) = 2.81, p = .107, \eta^2_p = .11$	$F(1, 23) = 0.02, p = .896, \eta^2_p = .00$	$F(1, 23) = 0.01, p = .922, \eta_p^2 = .00$	F $(1, 23) = 0.12$, p = .734, $\eta^2_p = .01$
	Alpha ERS	F $(1, 16) = 8.62, p = .010, \eta^2_p = .35$	F (1, 16) = 52.21, p = .000, η^2_p = .77	$F(1, 16) = 0.06, p = .809, \eta^2_p = .00$	$F(1, 16) = 0.01, p = .927, \eta^2_p = .00$
	Beta ERS	F $(1, 21) = 5.44$, p = $.030$, $\eta^2_p = .21$	$F(1, 21) = 2.46, p = .132, \eta^2_p = .11$	$F(1, 21) = 00.25, p = .621, \eta_p^2 = .01$	$F(1, 21) = 1.24, p = .278, \eta^2_p = .06$
<i>fNIRS</i>	1				
	ΔHbO_2 peak	F $(1, 36) = 5.93$, p = $.020$, $\eta^2_p = .14$	F $(1, 36) = 1.45$, p = $.016$, $\eta^2_p = .15$	$F(1, 36) = 2.98, p = .093, \eta_p^2 = .07$	$F(1, 36) = 1.49, p = .231, \eta^2_p = .04$
В.		GROUP x HEMISPHERE	GROUP x HAND	GROUP x CONDITION	HAND x CONDITION
fEEC.	j				
	Alpha ERD	$F(1, 23) = 0.50, p = .828, \eta^2_p = .02$	$F(1, 23) = 0.08, p = .776, \eta^2_p = .00$	$F(1, 23) = 0.05, p = .828, \eta^2_p = .06$	$F(1, 23) = 0.23, p = .634, \eta^2_p = .01$
	Beta ERD	F $(1, 23) = 4.98$, p = $.036$, $\eta^2_p = .18$	$F(1, 23) = 0.05, p = .831, \eta^2_p = .00$	$F(1, 23) = 0.82, p = .376, \eta_p^2 = .00$	$F(1, 23) = 0.08, p = .786, \eta_p^2 = .00$
	Alpha ERS	F $(1, 16) = 4.53$, p = $.049$, $\eta^2_p = .22$	$F(1, 16) = 0.39, p = .539, \eta^2_p = .02$	$F(1, 16) = 0.39, p = .541, \eta^2_p = .02$	$F(1, 16) = 0.15, p = .704, \eta^2_p = .00$
	Beta ERS	$F(1, 21) = 1.83, p = .191, \eta^2_p = .08$	$F(1, 21) = 1.36, p = .257, \eta^2_p = .06$	$F(1, 21) = 2.80, p = .109, \eta^2_p = .12$	$F(1, 21) = 8.80, p = .007, \eta^2_p = .29$
<i>fNIRS</i>			_		
	ΔHbO_2 peak	$F(1, 36) = 1.98, p = .168, \eta^2_p = .05$	$F(1, 36) = 4.51, p = .041, \eta^2_p = .11$	$F(1, 36) = 1.52, p = .699, \eta_p^2 = .00$	$F(1, 36) = 2.72, p = .108, \eta_p^2 = .07$
		HAND x HEMISPHERE	HEMISPHERE x CONDITION	<u>_</u>	
fEEC	Ĵ				
	Alpha ERD	$F(1, 23) = 1.57, p = .223, \eta^2_p = .06$	$F(1, 23) = 0.59, p = .451, \eta^2_p = .02$		
	Beta ERD	$F(1, 23) = 1.04, p = .320, \eta^2_p = .00$	$F(1, 23) = 0.07, p = .796, \eta^2_p = .00$		
	Alpha ERS	F $(1, 16) = 6.28$, p = $.023$, $\eta^2_p = .28$	$F(1, 16) = 0.11, p = .746, \eta^2_p = .01$		
	Beta ERS	F $(1, 21) = 6.80, p = .020, \eta^2_p = .23$	$F(1, 21) = 0.05, p = .831, \eta^2_p = .00$		
<i>fNIRS</i>					
	ΔHbO_2 peak	$F(1, 36) = 0.05, p = .823, \eta_p^2 = .00$	$F(1, 36) = 0.77, p = .387, \eta^2_p = .02$	<u>_</u>	

A. Effects of Group (Old healthy vs Stroke), Hemisphere (Contralateral vs Ipsilateral) and Hand (Dominant / Non-paretic vs Non-dominant / Paretic) on the fNIRS and fEEG parameters on the paced-reaching task and **B.** Two levels interactions of the model. In bold, results with p < .05 and $\eta^2_p > .0$