

Table e-1 - Reaction time: FMD baseline vs HC

Group	Congruence	Cue type	Natural logarithm of reaction time		
			Mean [95% CI]	Difference "congruous cues": 50% vs 95% (95% CI)	P-value
HC	50%	Incongruous	6.243 [6.086, 6.4]	-0.058 [-0.112, -0.005]	0.032
		Congruous	6.162 [6.006, 6.319]		
	95%	Incongruous	6.246 [6.089, 6.403]		
		Congruous	6.104 [5.947, 6.261]		
FMD Baseline	50%	Incongruous	6.421 [6.301, 6.542]	-0.027 [-0.07, 0.015]	0.206
		Congruous	6.314 [6.194, 6.435]		
	95%	Incongruous	6.402 [6.281, 6.523]		
		Congruous	6.287 [6.166, 6.408]		

Non-transformed, overall median RTs were 502 ms (IQR 443-555) for HC subjects and 539 ms (IQR 469-600) for FMD patient (p= 0.015, Mann-Whitney U test).

Table e-2 - Beta power: FMD baseline vs HC

Group	Congruence	Laterality	"End of preparation" beta power			Beta desynchronization slope		
			Mean [95% CI]	Difference Contra / Ipsi (95% CI)	P-value	Mean [95% CI]	Difference Contra / Ipsi (95% CI)	P-value
HC	50%	Ipsi	-0.403 [-0.748, -0.058]	0.044 [-0.121, 0.209]	0.602	-0.044 [-0.056, -0.032]	0.001 [-0.005, 0.008]	0.664
		Contra	-0.359 [-0.704, -0.014]			-0.043 [-0.055, -0.031]		
	95%	Ipsi	-0.328 [-0.673, 0.016]	-0.154 [-0.319, 0.012]	0.069	-0.033 [-0.046, -0.021]	-0.11 [-0.018, -0.005]	<0.001
		Contra	-0.482 [-0.827, -0.137]			-0.045 [-0.057, -0.033]		
FMD Baseline	50%	Ipsi	0.001 [-0.270, 0.272]	0.026 [-0.104, 0.156]	0.696	-0.026 [-0.035, -0.016]	-0.001 [-0.006, 0.004]	0.777
		Contra	0.027 [-0.244, 0.298]			-0.026 [-0.036, -0.017]		
	95%	Ipsi	0.04 [-0.231, 0.311]	-0.069 [-0.199, 0.061]	0.300	-0.025 [-0.035, -0.016]	-0.001 (-0.006, 0.004)	0.801
		Contra	-0.029 [-0.300, 0.242]			-0.026 [-0.036, -0.017]		

Table e-3 - Reaction time: FMD baseline vs follow-up

Group	Congruence	Cue type	Natural logarithm of reaction time			
			Mean [95% CI]	Difference "congruous cues": 50% vs 95% (95% CI)	P-value	
Baseline	50%	Incongruous	6.429 [6.288, 6.570]	-0.027 [-0.093, 0.04]	0.430	
		Congruous	6.321 [6.180, 6.463]			
	95%	Incongruous	6.409 [6.267, 6.55]	-0.044 [-0.113, 0.024]		
		Congruous	6.295 [6.153, 6.436]			
Follow-up	50%	Incongruous	6.446 [6.305, 6.588]	-0.044 [-0.113, 0.024]	0.203	
		Congruous	6.313 [6.171, 6.455]			
	95%	Incongruous	6.43 [6.288, 6.572]	-0.044 [-0.113, 0.024]		
		Congruous	6.269 [6.127, 6.410]			

Non-transformed, overall median RTs were 539 ms (IQR 469-600) at baseline and 550 ms (IQR 458-660) at follow-up ($p= 0.962$, Wilcoxon sign-rank test).

Table e-4 - Beta power: FMD baseline vs follow-up

FMD Group	Congruence	Laterality	"End of preparation" beta power			Beta desynchronization slope		
			Mean [95% CI]	Difference Contra / Ipsi (95% CI)	P-value	Mean [95% CI]	Difference Contra / Ipsi (95% CI)	P-value
Baseline	50%	Ipsi	0.001 [-0.244, 0.246]	0.026 [-0.202, 0.253]	0.823	-0.026 [-0.036, -0.015]	-0.001 [-0.009, 0.007]	0.859
		Contra	0.027 [-0.217, 0.272]			-0.026 [-0.037, -0.015]		
	95%	Ipsi	0.04 [-0.205, 0.284]	-0.069 [-0.296, 0.159]	0.553	-0.025 [-0.036, -0.015]	-0.001 [-0.009, 0.007]	0.874
		Contra	-0.029 [-0.274, 0.216]			-0.026 [-0.037, -0.015]		
Follow-up	50%	Ipsi	-0.015 [-0.259, 0.23]	-0.042 [-0.269, 0.185]	0.717	-0.023 [-0.033, -0.012]	-0.005 [-0.013, 0.003]	0.208
		Contra	-0.057 [-0.301, 0.188]			-0.028 [-0.038, -0.017]		
	95%	Ipsi	0.146 [-0.1, 0.390]	-0.214 [-0.441, 0.014]	0.065	-0.021 [-0.032, -0.011]	-0.004 (-0.012, 0.004)	0.302
		Contra	-0.068 [-0.313, 0.176]			-0.026 [-0.036, -0.015]		