

Supplementary results

Repeated measure ANOVA in patients with FHD showed a significant effect of the main factor STIMULATION INTENSITY ($F_{5,60}=33.83$, $P<0.001$), indicating increasing MEP amplitudes with higher stimulation intensities. However, there were no significant effects for the main factors SESSION ($F_{1,12}=0.07$, $P=0.79$), TIME ($F_{2,24}=0.51$, $P=0.60$) and for the interactions terms: SESSION x TIME ($F_{2,24}=0.34$, $P=0.71$), SESSION x STIMULATION INTENSITY ($F_{5,60}=1.01$, $P=0.41$), TIME x STIMULATION INTENSITY ($F_{10,120}=1.17$, $P=0.31$) and SESSION x TIME x STIMULATION INTENSITY ($F_{10,120}=0.84$, $P=0.58$).

Repeated measure ANOVA in patients with CD showed a significant effect of the main factor STIMULATION INTENSITY ($F_{5,60}=34.92$, $P<0.001$), indicating increasing MEP amplitudes with higher stimulation intensities. The analysis also showed a significant effects for the main factors SESSION ($F_{1,12}=5.24$, $P=0.04$), indicating lower MEP values in the real cTBS session, in comparison to the sham cTBS session and for the interactions SESSION x TIME ($F_{2,24}=3.42$, $P=0.04$) and SESSION x TIME x STIMULATION INTENSITY ($F_{10,120}=2.45$, $P=0.01$), indicating lower MEP values after real cTBS but not after sham cTBS. Finally, the analysis revealed no significant effect for the main factor TIME ($F_{2,24}=1.19$, $P=0.32$) and for the interactions terms SESSION x STIMULATION INTENSITY ($F_{5,60}=1.13$, $P=0.35$) and TIME x STIMULATION INTENSITY ($F_{10,120}=0.66$, $P=0.75$).

Repeated measure ANOVA in HS showed a significant effect of the main factor STIMULATION INTENSITY ($F_{5,60}=42.69$, $P<0.001$), indicating increasing MEP amplitudes with higher stimulation intensities. The analysis also showed a significant effects for the main factors TIME ($F_{2,24}=4.65$, $P=0.01$), indicating lower MEP values in the Post 1

measurement time point in comparison to the baseline measures. The significant interactions SESSION x TIME ($F_{2,24}=9.35$, $P<0.001$) and SESSION x TIME x STIMULATION INTENSITY ($F_{10,120}=2.89$, $P=0.002$), indicated lower MEP values after real cTBS but not after sham cTBS. Finally, the analysis revealed no significant effect for the main factor SESSION ($F_{1,12}=2.54$, $P=0.13$) and for the interactions terms SESSION x STIMULATION INTENSITY ($F_{5,60}=1.14$, $P=0.34$) and TIME x STIMULATION INTENSITY ($F_{10,120}=1.74$, $P=0.07$).