

Structural Neural Correlates of Physiological Mirror Activity During Isometric Contractions of Non-Dominant Hand Muscles

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Ethics compliance

The study was approved by the local ethics-committee of the University of Leipzig (ref.-nr. 429-15-16112015). All participants gave their written informed consent to partake in the experiments according to the Declaration of Helsinki, and were remunerated for participation.

Data availability

Data, in anonymous format (according to data protection policy in the ethics agreement) is available on reasonable request.

Supplementary figures

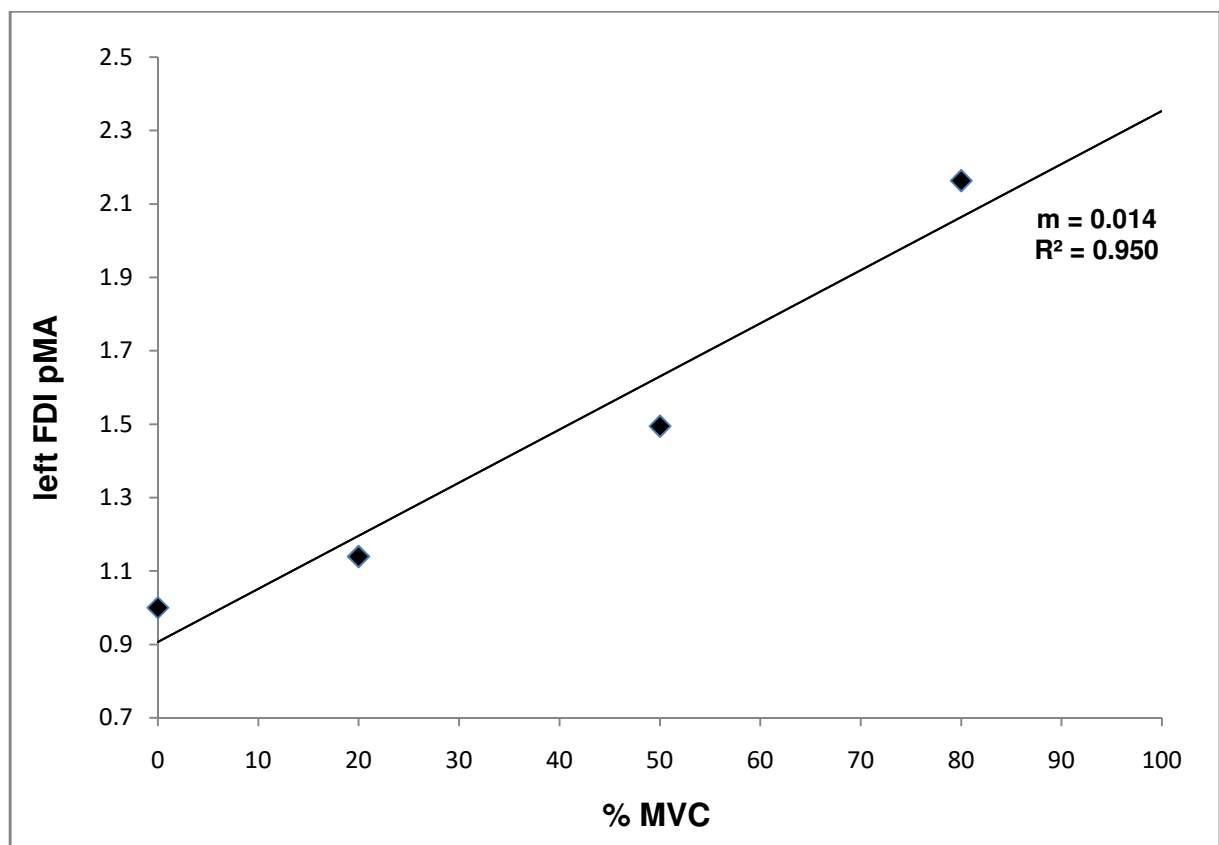


Figure S1. Mean (n = 26) Mirror Recruitment (MiR) of left FDI. pMA values are expressed as multitudes of 1000 ms pre-burst baseline signal, value of 1 = no pMA, value of 2 = 100% increase in pMA compared to baseline activity.

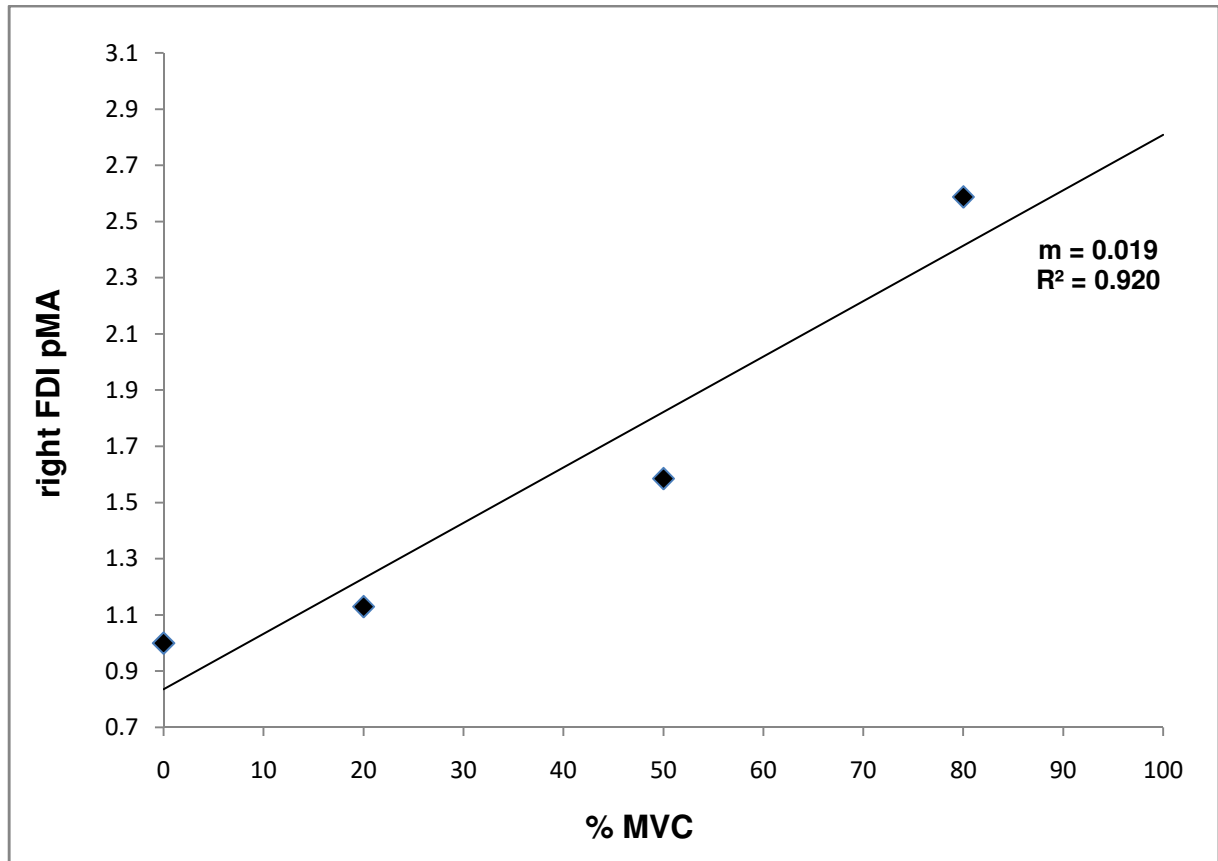


Figure S2. Mean (n = 26) Mirror Recruitment (MiR) of right FDI. pMA values are expressed as multitudes of 1000 ms pre-burst baseline signal, value of 1 = no pMA, value of 2 = 100% increase in pMA compared to baseline activity.

Supplementary results

Table S1. Individual Mirror Recruitment (MiR) values for all participants (P).

P	MiR left FDI	MiR right FDI	P	MiR left FDI	MiR right FDI
1	0.0012	0.0068	14	0.0012	0.0018
2	0.0080	0.0060	15	0.0102	0.0172
3	0.0395	0.1040	16	0.0151	0.0602
4	0.0043	0.0081	17	0.0003	0.0294
5	0.0087	0.0103	18	0.0231	0.0174
6	0.0081	0.0151	19	0.0173	0.0152
7	0.0258	0.0026	20	0.0382	0.0083
8	0.0023	0.0069	21	0.0051	0.0260
9	0.0049	0.0033	22	0.0184	0.0110
10	0.0097	0.0081	23	0.0027	0.0201
11	0.0018	0.0162	24	0.0102	0.0080
12	0.0094	0.0259	25	0.0674	0.0142
13	0.0352	0.0499	26	0.0081	0.0211

MEAN	0.0145	0.0197
MEDIAN	0.0091	0.0147
SD	0.0157	0.0219