

Early functional connectivity alterations in contralesional motor networks influence outcome after severe stroke– a preliminary analysis

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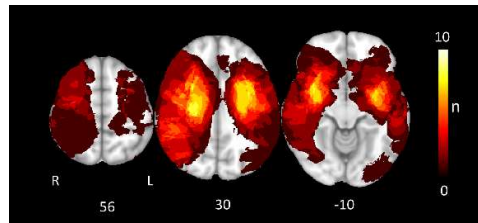
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Supplementary Material

ID	Age	Sex	Side / Dom	TL / MT (TICI)	LVO	LV (ml)	Days C/I	NIHSS	UEFM	MRS	BI	T _{2/3}
								Acute	Acute	Acute	Acute	T _{2/3}
1	78	female	left / d	no / no	none	33.6	7/7	10	8	31	35	80
2	63	male	left / d	no / no	M1	55.8	3/3	13	5	36	40	100
3	73	female	left / d	yes / yes (2B)	M1	14.4	5/5	9	48	65	20	100
4	73	female	right / n	yes / yes (2A)	M1	27.6	5/5	5	49	62	25	80
5	79	female	right / n	yes / yes (2B)	M2 / A1	120.4	5/6	8	15	51*	10	85*
6	89	female	right / n	yes / no	none	2.6	4/4	7	5	39	40	55
7	71	female	right / n	yes / yes (2A)	ACI/M1/A1	38.4	8/8	9	4	47*	10	70*
8	76	male	right / n	yes / yes (3)	M1/A2	101.0	5/6	11	4	-	10	-
9	78	male	right / n	yes / yes (3)	M2	178.1	4/4	17	5	15	10	65
10	85	female	right / n	no / yes (2B)	M1	33.5	5/5	15	2	4	0	0
11	78	male	left / d	no / no	M1	58.1	10/15	17	3	-	5*	15*
12	74	male	left / d	yes / yes (2B)	M1	303.3	10/10	24	5	4*	5	5
13	69	male	left / d	yes / yes (2A)	M1	98.4	7/7	18	0	-	0	-
14	77	female	right / n	yes / no	M1	286.7	7/7	11	4	4*	20	45*
15	67	female	right / n	yes / no	none	7.4	8/7	11	6	5*	30	95
16	58	female	left / d	no / no	ACI/M1	58.4	13/13	23	0	-	5	-
17	80	female	left / d	no / no	M1	20.5	12/12	11	-	4*	0	30*
18	83	female	left / d	yes / yes (3)	Carotis-T	21.6	9/9	10	6	-	20	-
19	80	male	right / n	yes / yes (0)	M1	108.4	7/7	16	6	-	10	-
Stroke	73.8 (5.8)	7 male	10 right / 9 d	13 TL / 11 MT	mode: M1	82.5 (87.6)	mode: 5/7	12.89 (5.17)	9.7 (14.5)	30.3 (23.3)	15.8 (13.0)	58.9 (34.8)
Controls	75.3 (7.5)	7 male	-	-	-	-	-	-	-	-	-	-

Supp. Tab. 1 | Patient characteristics at baseline and functional improvement over time.

Baseline characteristics of all patients individually and averaged per group, for patients and controls. Mean values and standard deviation in brackets are given. Side lesion side. Dom Hemispherical dominance with d dominant hemisphere, n non-dominant hemisphere affected by the lesion. TL thrombolysis, MT mechanical thrombectomy, TICI: thrombolysis in cerebral infarction grading system, partial perfusion of the treated vessel is reached in grade 2B (mode). LVO large vessel occlusion. LV lesion volume. M1/M2/A1/ACI indicate the cerebral vessels occluded. Days C/I Exam time point of clinical examination (C) and imaging (I) in days after stroke. Recovery and initial scoring of four scores: NIHSS National Institute of Health Stroke Scale, UEFM Upper Extremity Fugl Meyer Assessment, MRS modified Rankin Scale, BI Barthel-Index. Time point of data collection in the acute (day 3-14) or late sub-acute stage (T_{2/3}), either three or six months (depicted by *) after stroke. † indicate follow-up values collected via phone.



Supp. Fig. 1 | Frequency map of the stroke lesions in the right and left hemisphere

Displayed are frequency maps of the stroke lesions in the right and left hemisphere, overlaying a T1-weighted template in MNI space (z-coordinates below each slice). The color intensity indicated the number of subjects of whom lesion voxels lay within the colored region.