

Are visual working memory and episodic memory distinct processes? Insight from stroke patients by lesion-symptom mapping.

Brain Structure and Function

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Supplemental Table S1

List of number of subjects with a lesion per ROI. Only ROIs in which at least four subjects had a lesion were included in the atlas-based analyses.

GLASSER atlas			Left	Right
1	V1	Primary Visual Cortex	6	9
2	MST	Medial Superior Temporal Area	3	0
3	V6	Sixth Visual Area	3	1
4	V2	Second Visual Area	6	9
5	V3	Third Visual Area	7	7
6	V4	Fourth Visual Area	6	10
7	V8	Eighth Visual Area	4	4
8	4	Primary Motor Cortex	6	12
9	3b	Primary Sensory Cortex	2	6
10	FEF	Frontal Eye Fields	1	4
11	PEF	Premotor Eye Fields	4	6
12	55b	Area 55b	3	4
13	V3A	Area V3A	1	4
14	RSC	RetroSplenial Complex	2	0
15	POS2	Parieto-Occipital Sulcus Area 2	4	4
16	V7	Seventh Visual	1	3
17	IPS1	Intraparietal Sulcus Area 1	2	3
18	FFC	Fusiform Face Complex	3	3
19	V3B	Area V3B	3	4
20	LO1	Area Lateral Occipital 1	1	1
21	LO2	Area Lateral Occipital 2	1	0

22	PIT	Posterior Inferotemporal Complex	2	2
23	MT	Middle Temporal Area	4	0
24	A1	Primary Auditory Cortex	4	4
25	PSL	Perisylvian Language Area	2	5
26	SFL	Superior Frontal Language Area	0	1
27	PCV	Precuneus Visual Area	2	2
28	STV	Superior Temporal Visual Area	2	2
29	7Pm	Medial Area 7P	3	3
30	7m	Area 7m	5	3
31	POS1	Parieto-Occipital Sulcus Area 1	4	2
32	23d	Area 23d	1	0
33	v23ab	Area ventral 23 a+b	1	0
34	d23ab	Area dorsal 23 a+b	0	0
35	31pv	Area 31p ventral	2	0
36	5m	Area 5m	2	0
37	5mv	Area 5m ventral	4	1
38	23c	Area 23c	4	0
39	5L	Area 5L	0	1
40	24dd	Dorsal Area 24d	3	0
41	24dv	Ventral Area 24d	1	0
42	7AL	Lateral Area 7A	2	2
43	SCEF	Supplementary and Cingulate Eye Field	1	1
44	6ma	Area 6m anterior	0	1
45	7Am	Medial Area 7A	3	2
46	7PL	Lateral Area 7P	0	1
47	7PC	Area 7PC	3	2
48	LIPv	Area Lateral Intraparietal ventral	5	5
49	VIP	Ventral Intraparietal Complex	3	1
50	MIP	Medial Intraparietal Area	2	3
51	1	Area 1	3	4
52	2	Area 2	5	3
53	3a	Area 3a	3	9
54	6d	Dorsal Area 6	2	3
55	6mp	Area 6mp	2	0
56	6v	Ventral Area 6	3	6
57	p24pr	Area Posterior 24 prime	1	0
58	33pr	Area 33 prime	1	0
59	a24pr	Anterior 24 prime	1	0
60	p32pr	Area p32 prime	1	0
61	a24	Area 24a	0	0
62	d32	Area dorsal 32	0	0
63	8BM	Area 8BM	0	0
64	p32	Area p32	0	0
65	10r	Area 10r	0	0
66	47m	Area 47m	2	1
67	8Av	Area 8Av	3	7
68	8Ad	Area 8Ad	1	0
69	9m	Area 9 Middle	0	0
70	8BL	Area 8B Lateral	0	0
71	9p	Area 9 Posterior	0	0
72	10d	Area 10d	0	0
73	8C	Area 8C	5	6
74	44	Area 44	4	5
75	45	Area 45	4	5
76	47l	Area 47l	4	5

77	a47r	Area anterior 47r	2	1
78	6r	Rostral Area 6	6	8
79	IFJa	Area IFJa	4	6
80	IFJp	Area IFJp	6	6
81	IFSp	Area IFSp	2	5
82	IFSa	Area IFSa	2	3
83	p9-46v	Area posterior 9-46v	2	4
84	46	Area 46	1	4
85	a9-46v	Area anterior 9-46v	1	2
86	9-46d	Area 9-46d	1	1
87	9a	Area 9 anterior	0	0
88	10v	Area 10v	0	0
89	a10p	Area anterior 10p	0	0
90	10pp	Polar 10p	0	0
91	11l	Area 11l	2	1
92	13l	Area 13l	1	2
93	OFC	Orbital Frontal Complex	0	0
94	47s	Area 47s	4	3
95	LIPd	Area Lateral Intraparietal dorsal	3	3
96	6a	Area 6 anterior	2	5
97	i6-8	Inferior 6-8 Transitional Area	1	5
98	s6-8	Superior 6-8 Transitional Area	0	1
99	43	Area 43	6	6
100	OP4	Area OP4/PV	4	4
101	OP1	Area OP1/SII	5	6
102	OP2-3	Area OP2-3/V3	6	7
103	52	Area 52	5	5
104	RI	Retroinsular Cortex	3	5
105	PFcm	Area PFcm	8	6
106	PoI2	Posterior Insular Area 2	8	12
107	TA2	Area TA2	0	6
108	FOP4	Frontal OPercular Area 4	6	7
109	MI	Middle Insular Area	5	8
110	Pir	Piriform Cortex	7	6
111	AVI	Anterior Ventral Insular Area	4	7
112	AAIC	Anterior Agranular Insular Complex	5	6
113	FOP1	Frontal OPercular Area 1	5	6
114	FOP3	Frontal OPercular Area 3	5	8
115	FOP2	Frontal OPercular Area 2	4	8
116	PFt	Area PFt	3	3
117	AIP	Anterior Intraparietal Area	4	5
118	EC	Entorhinal Cortex	1	1
119	PreS	Presubiculum	3	1
120	H	Hippocampus	4	1
121	ProS	Prostriate Area	2	1
122	PeEc	Perirhinal Ectorhinal Cortex	0	1
123	STGa	Area STGa	2	1
124	PBelt	ParaBelt Complex	3	6
125	A5	Auditory 5 Complex	0	2
126	PHA1	Parahippocampal Area 1	3	1
127	PHA3	Parahippocampal Area 3	2	2
128	STSda	Area STSd anterior	1	1
129	STSdp	Area STSd posterior	2	2
130	STSvp	Area STSv posterior	1	2
131	TGd	Area TG dorsal	2	1

132	TE1a	Area TE1 anterior	1	1
133	TE1p	Area TE1 posterior	0	2
134	TE2a	Area TE1 anterior	1	1
135	TF	Area TF	0	2
136	TE2p	Area TE2 posterior	1	1
137	PHT	Area PHT	3	2
138	PH	Area PH	2	1
139	TPOJ1	Area Temporoparietooccipital Junction 1	2	3
140	TPOJ2	Area Temporoparietooccipital Junction 2	3	1
141	TPOJ3	Area Temporoparietooccipital Junction 3	4	1
142	DVT	Dorsal Transitional Visual Area	5	5
143	PGp	Area PGp	3	1
144	IP2	Area Intraparietal 2	6	4
145	IP1	Area Intraparietal 1	3	3
146	IP0	Area Intraparietal 0	3	5
147	PFop	Area PF opercular	6	4
148	PF	Area PF Complex	6	3
149	PFm	Area PFm Complex	5	3
150	PGi	Area PGi	6	2
151	PGs	Area PGs	4	1
152	V6A	AreaV6A	0	1
153	VMV1	Ventromedial Visual Area 1	2	1
154	VMV3	Ventromedial Visual Area 3	2	1
155	PHA2	Parahippocampal Area 2	2	1
156	V4t	Area V4t	3	0
157	FST	Area FST	3	1
158	V3CD	Area V3CD	3	3
159	LO3	Area Lateral Occipital 3	4	0
160	VMV2	Ventromedial Visual Area 2	2	1
161	31pd	Area 31pd	3	1
162	31a	Area 31a	0	0
163	VVC	Ventral Visual Complex	2	3
164	25	Area 25	0	0
165	s32	Area s32	0	0
166	pOFC	Posterior OFC Complex	1	1
167	PoI1	Area Posterior Insular 1	7	9
168	Ig	Insular Granular Complex	6	9
169	FOP5	Area Frontal Opercular 5	4	5
170	p10p	Area posterior 10p	0	0
171	p47r	Area posterior 47r	1	2
172	TGv	Area TG ventral	1	1
173	MBelt	Medial Belt Complex	1	7
174	LBelt	Lateral Belt Complex	4	4
175	A4	Auditory 4 Complex	3	4
176	STSva	Area STSv anterior	2	1
177	TE1m	Area TE1 Middle	0	1
178	PI	Para-Insular Area	2	5
179	a32pr	Area anterior 32 prime	0	0
180	p24	Area posterior 24	0	0

CAT atlas		Left	Right
1	Anterior Commissure	5	7
2	Anterior Segment Arcuate Fasciculus	13	14
3	Long Segment Arcuate Fasciculus	14	8
4	Posterior Segment Arcuate Fasciculus	12	6

5	Cingulum	14	16
6	Corpus Callosum	28	34
7	Corticoponto Cerebellum	21	19
8	Corticospinal Tract	32	27
9	Fornix	7	6
10	Inferior Cerebellar Pedunculus	1	3
11	Inferior Longitudinal Fasciculus	16	11
12	Inferior Occipitofrontal Fasciculus	15	21
13	Internal Capsule	30	28
14	Optic Radiations	18	13
15	Superior Cerebellar Pedunculus	0	2
16	Uncinate	9	10

References

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- Glasser MF, Coalson TS, Robinson EC, Hacker CD, Harwell J, Yacoub E et al. 2016. A multi-modal parcellation of human cerebral cortex. *Nature*. 536:171. DOI: 10.1038/nature18933
 Supplementary Neuroanatomical Results