

Supplementary material (Online Resource 6)

Manuscript title: Mid-term treatment-related cognitive sequelae in glioma patients

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Table ESM-6 Neurocognitive change within and between patients with tumor resection and patients with biopsy. T-test statistics for mean extent of cognitive improvement (i.e. mean difference [M_{diff} , in percentile ranks]) between baseline and follow-up neuropsychological assessment, separated for resected patients (patients with total, subtotal or partial resection) and patients with biopsy. Asterisks indicate statistically significant cognitive improvement. ANOVA (with F-statistics) for differences in cognitive change between groups. CI confidence interval, df degree of freedom. * $p < .05$, ** $p < .01$, *** $p < .001$

	Patients with resection (n = 70)				Patients with biopsy (n = 16)				ANOVA		
	M_{diff} (95% CI)	t-value	df	p-value	M_{diff} (95% CI)	t-value	df	p-value	F-value	df	p-value
Short-term memory	11.7 (5.0-18.3)	3.50	69	.001**	6.1 (-12.8-24.9)	0.69	15	.504	0.48	1,85	.493
Working memory	18.9 (7.6-30.1)	3.35	69	.001**	16.5 (-2.7-35.7)	1.84	14	.087	0.03	1,84	.853
Simple reaction time	14.3 (6.7-22.0)	3.76	68	<.001***	6.4 (-7.0-19.9)	1.02	15	.323	0.87	1,84	.355
Selective attention	22.0 (14.4-29.7)	5.77	67	<.001***	21.5 (4.2-38.8)	2.66	14	.019*	0.01	1,82	.949
Inhibition	17.7 (9.5-26.0)	4.28	68	<.001***	13.4 (-0.5-27.3)	2.07	14	.057	0.21	1,83	.646
Verbal memory	12.8 (6.5-19.0)	4.10	67	<.001***	5.9 (-6.2-18.0)	1.03	15	.318	0.97	1,83	.328
Figural memory	16.5 (9.4-23.6)	4.65	62	<.001***	13.6 (0.1-27.1)	2.16	14	.048*	0.13	1,77	.715
Fluency	14.8 (7.1-22.4)	3.84	69	<.001***	7.3 (-11.3-25.8)	0.85	13	.411	0.63	1,83	.429