Supplementary Table 4. MD changes in the white matter tracts connecting the visual cortex

White matter tracts	MD change ($\times 10^{-3}$ mm^2/s)			Test statistics			
	Time points			One-way repeated-measures ANOVA	*Post hoc* paired t-tests		
	1 week	1 month	3 months		1 week vs. 1 month	1 month vs. 3 months	1 week vs. 3 months
Forceps major	0.861±0.097	0.930±0.087	0.925±0.093	F=20.47 *P*<0.001*	t=-5.72 *P*<0.001*	t=0.54 *P*=0.596	t=-4.66 *P*<0.001*
Inferior fronto-occipital fasciculus (CL)	0.843±0.051	0.839±0.044	0.844±0.045	F=1.89 *P*=0.164	t=1.43 *P*=0.167	t=-2.11 *P*=0.048	t=-0.23 *P*=0.822
Inferior fronto-occipital fasciculus (IL)	0.835±0.052	0.888±0.067	0.890±0.068	F=18.57 *P*<0.001*	t=-4.76 *P*<0.001*	t=-0.22 *P*=0.825	t=-6.02 *P*<0.001*
Inferior longitudinal fasciculus (CL)	0.821±0.042	0.820±0.036	0.823±0.037	F=0.39 *P*=0.679	t=0.27 *P*=0.791	t=-0.97 *P*=0.344	t=-0.57 *P*=0.578
Inferior longitudinal fasciculus (IL)	0.806±0.052	0.871±0.070	0.854±0.053	F=16.08 *P*<0.001*	t=-4.83 *P*<0.001*	t=1.57 *P*=0.132	t=-4.29 *P*<0.001*
Superior longitudinal fasciculus (CL)	0.839±0.060	0.836±0.059	0.842±0.061	F=0.98 *P*=0.386	t=0.72 *P*=0.477	t=-1.78 *P*=0.090	t=-0.55 *P*=0.584
Superior longitudinal fasciculus (IL)	0.845±0.050	0.860±0.049	0.867±0.050	F=7.66 *P*=0.002*	t=-2.44 *P*=0.024	t=-1.66 *P*=0.113	t=-3.35 *P*=0.003*
Superior longitudinal fasciculus, temporal part (CL)	0.777±0.041	0.778±0.037	0.779±0.041	F=0.10 *P*=0.910	t=-0.34 *P*=0.737	t=-0.10 *P*=0.920	t=-0.47 *P*=0.643
Superior longitudinal fasciculus, temporal part (IL)	0.797±0.054	0.808±0.078	0.812±0.071	F=1.47 *P*=0.243	t=-0.99 *P*=0.335	t=-0.85 *P*=0.408	t=-1.50 *P*=0.149

The MD changes (mean±standard deviation) in the nine white matter tracts connecting the visual cortex were compared at 1 week, 1 month, and 3 months after stroke onset using one-way repeated-measures ANOVA. For *post hoc* analyses, the MD values of the four white matter tracts with significant temporal changes were compared between three pairs of three time points using the Bonferroni-corrected paired t-test with 12 comparisons.
MD, mean diffusivity; ANOVA, analysis of variance; CL, contralesional; IL, ipsilesional.
*Statistical significance with a *P* value of 0.05 for one-way repeated-measures ANOVA, and significance for the Bonferroni-corrected paired t-test.

Supplementary Table 5. Relationship between significant FA changes and changes in MTD scores over 6 months

White matter tracts showing significant FA changes	Changed MTD scores in the affected hemifield (1 week and 6 months)			
	Between 1 week and 1 month		Between 1 week and 3 months	
	Standardized β	*P*	Standardized β	*P*
Forceps major	0.017	0.946	0.352	0.143
Inferior fronto-occipital fasciculus (CL)	0.222	0.374	0.174	0.495
Inferior longitudinal fasciculus (CL)	-0.085	0.732	0.586	0.006*
Inferior longitudinal fasciculus (IL)	0.010	0.968	0.175	0.482
Superior longitudinal fasciculus (CL)	0.188	0.443	0.251	0.289
Superior longitudinal fasciculus, temporal part (IL)	0.067	0.786	0.469	0.045*

Relationships between changed MTD scores between 1 week and 6 months after stroke onset and FA values with significant temporal changes in *post hoc* paired t-tests were investigated using robust regression with the Bonferroni-correction for 12 comparisons.
FA, fractional anisotropy; MTD, mean total deviation; CL, contralesional; IL, ipsilesional.
*Statistical significance at the Bonferroni-uncorrected *P* value.