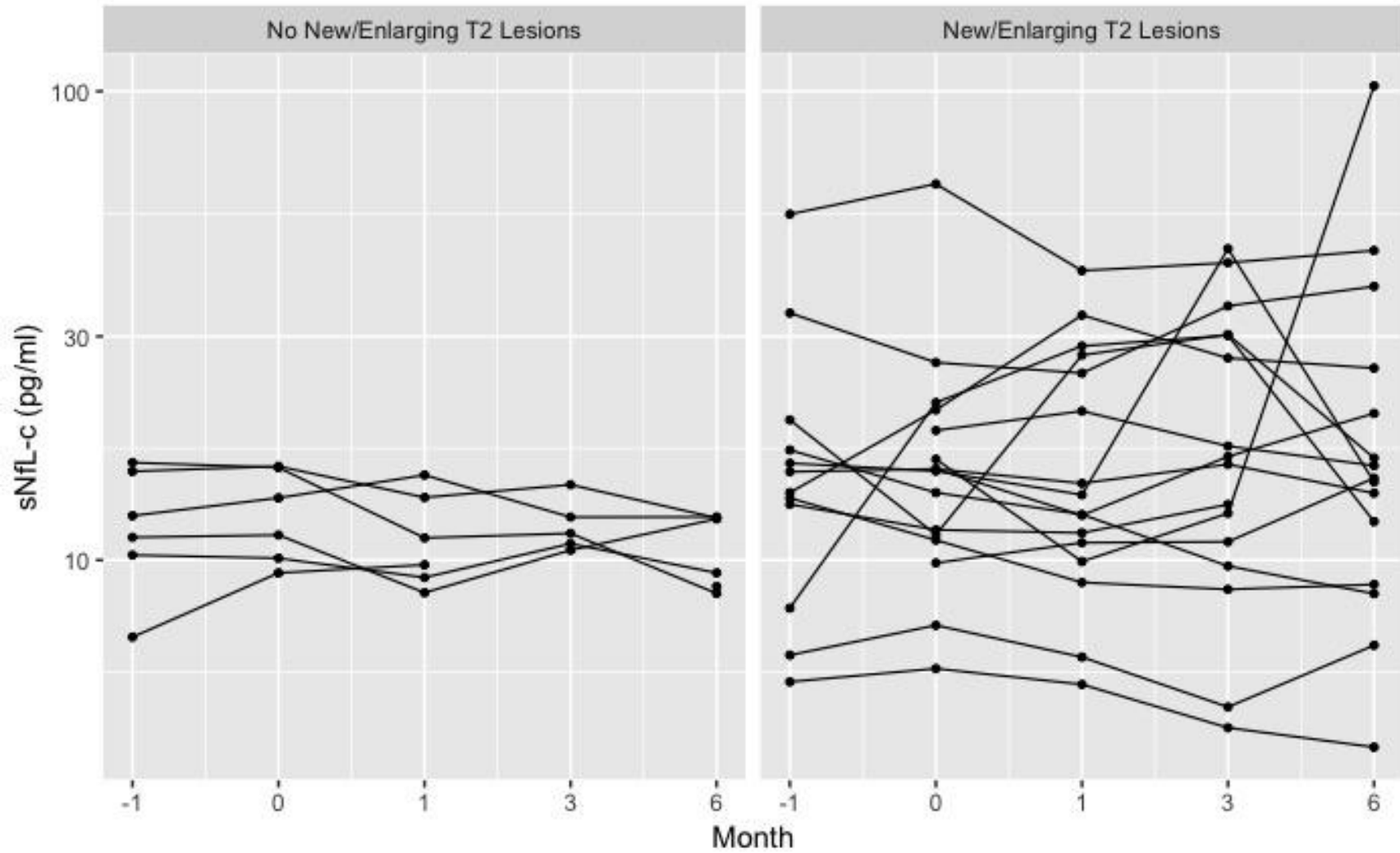


Supplementary Material

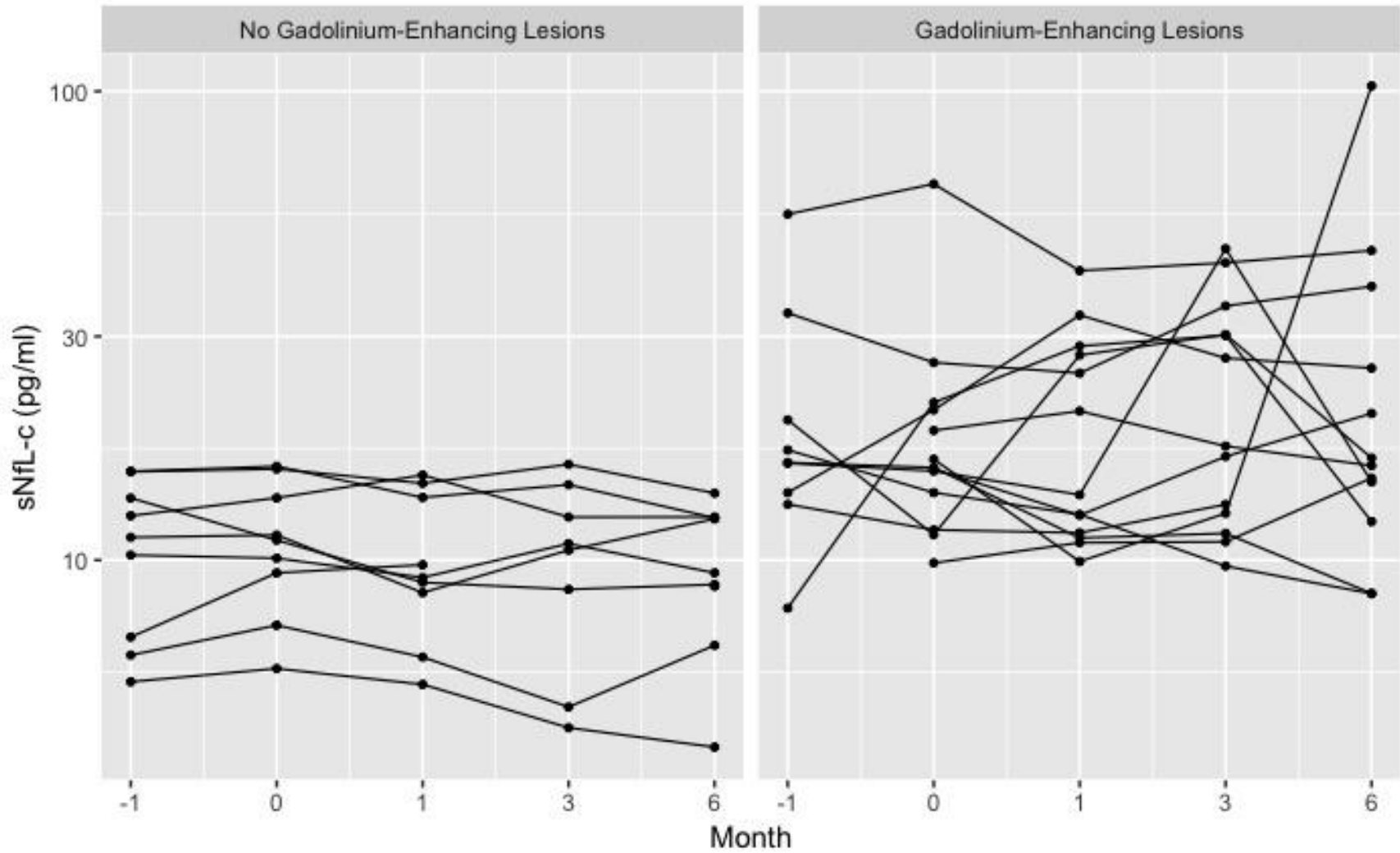
Supplementary Table 1 – sNfL-c correlation with advanced MRI metrics

	Spearman's Rho (95% CI)
Cortical thickness	-0.23 (-0.74, 0.28)
Whole brain magnetization transfer ratio (MTR)	-0.11 (-0.55, 0.33)
Peak position	-0.03 (-0.54, 0.48)
Peak height	0.35 (-0.08, 0.78)
Whole brain mean diffusivity (MD)	0.15 (-0.47, 0.77)
Peak position	0.06 (-0.50, 0.62)
Peak height	-0.10 (-0.67, 0.47)
Whole brain fractional anisotropy (FA)	-0.07 (-0.58, 0.44)
Peak position	0.01 (-0.41, 0.42)
Peak height	-0.26 (-0.76, 0.25)
Lesional tissue DTI	
Mean diffusivity	0.23 (-0.30, 0.76)
Transverse diffusivity	0.04 (-0.49, 0.57)
Axial diffusivity	0.36 (-0.04, 0.76)
Fractional anisotropy	0.18 (-0.24, 0.59)
Corticospinal tracts (mean) DTI	
Mean diffusivity	0.25 (-0.27, 0.77)
Transverse diffusivity	0.29 (-0.17, 0.75)
Axial diffusivity	0.16 (-0.37, 0.68)
Fractional anisotropy	-0.19 (-0.63, 0.25)
Transcallosal motor tract DTI	
Mean diffusivity	0.23 (-0.31, 0.77)
Transverse diffusivity	0.26 (-0.26, 0.77)
Axial diffusivity	0.17 (-0.35, 0.68)
Fractional anisotropy	-0.33 (-0.78, 0.13)

Supplementary Figure 1 – Longitudinal Stability of sNfL-c in Patients With and Without New/Enlarging T2 Lesions



Supplementary Figure 2 – Longitudinal Stability of sNfL-c in Patients With and Without Gadolinium-Enhancing Lesions



Supplementary Figure 3 – Longitudinal Stability of sNfL-c in Patients With and Without Clinical Relapses

