

Table S1. group medians and interquartile ranges of GEPCI metrics and LL-FLAIR

	All subjects. Median (quartiles)	RRMS. Median (quartiles)	PPMS. median (quartiles)	SPMS. Median (quartiles)
TDL (mm ³)	1434 (837 to 2038)	1062 (704 to 1674)	953 (518 to 2060)	1748 (1491 to 3524)
LL (mm ³)	3458 (2165 to 5136)	2921 (1688 to 4713)	2572 (1583 to 4864)	4111 (3379 to 8014)
MTDS	0.39 (0.34 to 0.45)	0.36 (0.31 to 0.43)	0.37 (0.31 to 0.46)	0.43 (0.41 to 0.49)
width	4.99 (4.41 to 5.89)	4.65 (4.3 to 5.7)	4.51 (4.34 to 5.48)	5.51 (4.91 to 6.31)
center	19.77 (19.02 to 20.66)	19.78 (19.36 to 20.68)	19.77 (18.79 to 20.52)	19.66 (18.4 to 20.68)
w/c	0.25 (0.22 to 0.30)	0.24 (0.22 to 0.31)	0.23 (0.22 to 0.28)	0.29 (0.26 to 0.31)
LL-FLAIR	5467 (1907 to 8801)	4367 (1383 to 8037)	3438 (1189 to 7743)	8426 (5283 to 12676)