



Figure S1 The constitution of datasets.

Table S1 Summary of clinical information and total lesion volume (TLV) of the three datasets

Metric	MICCAI 2016 MS dataset	Local MS dataset	Local NMOSD dataset
No. of patients	52	36	33
Clinical characteristic			
Sex			
Male	–	11	5
Female	–	25	28
Age (years)			
Mean	–	39.75±10.52	50.0±11.75
Range	–	22-64	17-66

Table S2 MRI acquisition parameters

Parameters	MICCAI 2016 MS Dataset	MS Local Dataset	NMOSD Local Dataset
3D T2-FLAIR images			
Voxel size, mm ³	0.82×0.82×2.2	0.98×0.98×1–1×1×1	0.98×0.98×1–1×1×1
Repetition time (ms)	--	4800	4800
Echo time (ms)	68	279–324	279–324
Inversion time (ms)	835	1650	1650

MRI, magnetic resonance imaging; MS, multiple sclerosis; NMOSD, neuromyelitis optical spectrum disorder; T2-FLAIR, T2-weighted fluid-attenuated inversion recovery.