

Supplementary data :

Sequence	Protocol	Acquisition time
T2* (MT)	TR/TE = 47/1.23 ms; 32 echoes, $\Delta TE = 1.23$ ms; Voxel size = $1.6 \times 1.6 \times 1.6$ mm ³ ; FoV=136x136x112	11' 16''
T2	TR = 5000 ms, 21 echoes with $\Delta TE = 9$ ms; Voxel size = $1.1 \times 1.1 \times 4.0$ mm ³ , FoV=160x192x30	3' 15''
MP2RAGE	TR/TE = 5000/2.89, IT1 = 700 ms, IT2=2500 ms; Voxel size= $1.0 \times 1.0 \times 1.2$ mm ³ , FA = 4°;FoV = 256x240x176	8' 22''
3DFLAIR	TR/TE/TI = 5000/394/1800 ms; Voxel size = $1.0 \times 1.0 \times 1.2$ mm ³ ; FoV = 256x240x176	6' 27''
DIR	TR/TE/TI = 10000/218/3650 ms; Voxel size= $1.1 \times 1.0 \times 1.2$ mm ³ ; FoV = 240x256x160	12' 52''
MPRAGE	TR/TE = 2300/2.98 ms; Voxel size= $1.0 \times 1.0 \times 1.2$ mm ³ ; FoV= 256x240x160,	5' 12''
	Total acquisition time	1h 08'

Table 1s. Supplementary data. MRI acquisition protocol. TR: repetition time; TE: echo time; FoV: field of view.