MS Journal Appendix for MRI methodology

Hardware	
Field strength	
Manufacturer	
Model	
Coil type (e.g. head, surface)	
Number of coil channels	

Acquisition sequence		
Type (e.g. FLAIR, DIR, DTI, fMRI)		
Acquisition time		
Orientation		
Alignment (e.g. anterior commissure/poster commissure line)		
Voxel size		
TR		
TE		
TI		
Flip angle		
NEX		
Field of view		
Matrix size		
Parallel imaging	Yes	No
If used, parallel imaging method: (e.g. SENSE, GRAPPA)		
Cardiac gating	Yes	No
If used, cardiac gating method: (e.g. PPU or ECG)		
Contrast enhancement	Yes	No

Acquisition sequence	
If used, provide name of contrast agent, dose and timing of scan post-contrast administration	
Other parameters:	

Image analysis methods and outputs	
Lesions	
Type (e.g. Gd-enhancing, T2-hyperintense, T1-hypointense)	
Analysis method	
Analysis software	
Output measure (e.g. count or volume [ml])	
Tissue volumes	
Type (e.g. whole brain, grey matter, white matter, spinal cord)	
Analysis method	
Analysis software	
Output measure (e.g. absolute tissue volume in ml, tissue volume as a fraction of intracranial volume, percentage change in tissue volumes)	
Tissue measures (e.g. MTR, DTI, T1-RT, T2-RT, T2*, T2', ^{1}H-MRS, perfusion, Na)	
Type (e.g. whole brain, grey matter, white matter, spinal cord, normal-appearing grey matter or white matter)	
Analysis method	
Analysis software	
Output measure	
Other MRI measures (e.g. functional MRI)	
Type (e.g. whole brain, grey matter, white matter, spinal cord, normal-appearing grey matter or white matter)	
Analysis method	
Analysis software	
Output measure	

Other analysis details: