

Supplementary tables:

Table e-1. Imaging protocol for each cohort at Tehran and Padua

Parameter	Tehran	Padua
Field strength	3T	1.5T
Head receiver coil	12 channel	16 channel
<i>Sequence: T1</i>		
TR/TE	2530 / 3.44 ms	25/4.6 ms
Voxel size	1x1x1 mm	1x1x1 mm
TI	1100 ms	2500 ms
FOV	265 mm	250 mm
<i>Sequence: T2/FLAIR</i>		
TR/TE	4000/91 ms	1000/120
Slice thickness	3 mm	3 mm
FOV	220 mm	250 mm
Number of slices	42	50

Table e-2. Disease modifying treatments for each centre

	Italy		Iran	
	NMO (N=20)	MS (N=24)	NMO (N=30)	MS (N=25)
No treatment	7	3	4	5
Treatments:				
Cyclophosphamide	6	–	1	–
Rituximab	3	–	–	–
Azathioprine	3	–	18	2
Methotrexate	1	–	1	–
Mitoxantrone	–	–	1	1
Interferon beta	–	14	–	17
mycophenolate mofetil	–	–	5	–
Fingolimod	–	4	–	–
Natalizumab	–	2	–	–
Copaxone	–	1	–	–