

	CIS eyes	RR- MS eyes	SP-MS eyes	GEE p-value
OCT-Average RNFL thickness (um)	92 (15.29)	84.11 (14)	78.39 (11.77)	0.008
GDx: logNFI	1.29 (0.22)	1.41 (0.21)	1.34 (0.27)	0.251
GDx: TSNIT average (um)	52.37 (7.37)	48.43 (7.21)	50.12 (11.03)	0.200
Number of eyes	22	136	18	

Table supplemental-1. Comparisons of OCT average RNFL thickness, logNFI, TSNIT average among the three MS subtypes. Values are mean and standard deviation (within brackets). CIS: clinically isolated syndrome; RR-MS relapsing-remitting multiple sclerosis; SP: secondary progressive multiple sclerosis.

	Non-benign RR-MS Eyes	Benign RR-MS Eyes	GEE p-value
OCT average RNFL thickness (um)	76.72 (13.22)	82.85 (13.91)	0.004
GDx: logNFI	1.51 (0.24)	1.42 (0.21)	0.001
GDx: TSNIT average (um)	44.99 (7.66)	48.49 (7.63)	0.002
Number of eyes	32	34	

Table supplemental-2. Comparisons of OCT average RNFL thickness, logNFI, TSNIT average between benign and non-benign RR-MS eyes. Values are mean and standard deviation (within brackets).

	MS without-ON Eyes	MS-ON Eyes	GEE p-value
OCT average RNFL thickness (um)	89.55(11.16)	72.15(13.70)	<0.001
GDx: logNFI	1.32(0.16)	1.55(0.26)	<0.001
GDx: TSNIT average (um)	51.46(5.68)	43.41(8.93)	<0.001
Number of eyes	123	53	

Table supplemental-3. Comparison of mean OCT average RNFL thickness, logNFI, TSNIT average, between MS without-ON and MS-ON eyes. Values are mean and standard deviation (within brackets).

	CIS	RR-MS	SP-MS	GEE p-value	Non- benign RR-MS patients	Benign RR-MS patients	GEE p-value
EDSS	1,0 (0.0-2.5)	2,0 (0.0-6.5)	4.5 (3.0-8.0)	<0.001	4.5 (3.5-6.5)	1.5 (0.0-3.0)	<0.001
Patients	11	68	9		16	17	

Table supplemental-4. Comparisons of EDSS score among MS subtypes (CIS, RR-MS and SP-MS) and benign and non-benign MS-patients. Values are median and range (minimal and maximal) in brackets.