

**Table E1: MRI field strength at baseline and follow-up in the study cohort.**

	Tesla 1.5	Tesla 3.0
	Frequency, n (%)	Frequency, n (%)
MS	723 (53.9)	618 (46.1)
CIS	47 (37.9)	77 (62.1)
HC	25 (17.0)	122 (83.0)

Legend: n–number; %–percentage; MS–multiple sclerosis; CIS–clinically isolated syndrome; HC–healthy controls.

**Table E2: Demographics, clinical and MRI characteristics of clinically definite multiple sclerosis converters versus nonconverters, among clinically isolated syndrome (n = 124) patients.**

Demographic and clinical variables	CDMS converters (n = 35)	CDMS nonconverters (n = 89)	P value
Women, n (%)	25 (71.4)	85 (84.3)	<0.001*
Age at first MRI in years, mean (SD)	37.8 (8.8)	39.5 (11)	0.09
Disease duration over the follow-up, mean (SD)	3.5 (6.3)	2.6 (3.6)	0.045*
Time over the follow-up in years, mean (SD)	4.9 (2.5)	3.2 (2.2)	0.001*
Average n of MRIs per year over the follow-up, mean (SD)	1.3 (0.9)	1.6 (1.1)	0.44
Total n of MRIs over the follow-up, mean (SD)	4.7 (1.9)	3.5 (1.7)	0.47
EDSS score at first MRI, median (IQR)	1.5 (1.0–1.7)	1.5 (1.0–2.0)	0.38
EDSS score change over the follow-up, mean (SD)	0.5 (0.0–1.0)	0.0 (-0.5–0.4)	0.038*
<b>Lesion volume brain measures</b>			<i>P value</i>
Baseline T2 lesion volume, mean (SD)	5,101.0 (3,880.3)	5,541.7 (6,171.4)	0.08
Absolute change in T2 lesion volume over the follow-up, mean (SD)	710.1 (1,905.9)	-47.8 (1,522.1)	0.12
Annualized change in T2 lesion volume, mean (SD)	88.3 (471.6)	-81.7 (804.6)	0.41
Cumulative atrophied T2 lesion volume over the follow-up, mean (SD)	74.6 (135.6)	40.2 (83.6)	0.09
Annualized cumulative atrophied T2 lesion volume over the follow-up, mean (SD)	15.2 (17.0)	12.5 (15.0)	0.10
<b>Brain volume measures</b>			
Baseline VV, mean (SD)	33.2 (12.3)	32.8 (13.6)	0.50
PVVC over the follow-up, mean (SD)	8.6 (11.6)	6.5 (9.6)	0.90
Annualized PVVC over the follow-up, mean (SD)	2.3 (2.8)	1.8 (7.1)	0.18
Baseline NBV, mean (SD)	1,599.2 (798.3)	1,588.4 (777.6)	0.72
PBVC over the follow-up, mean (SD)	-2.4 (2.2)	-1.9 (2.2)	0.41
Annualized PBVC over the follow-up, mean (SD)	-0.8 (0.9)	-0.5 (0.9)	0.29

Legend: CDMS–clinically definite multiple sclerosis; n–number; SD–standard deviation; T2-LV–T2 lesion volume; VV–ventricular volume; PVVC–percentage ventricular volume change; NBV–normal brain volume; PBVC–percentage brain volume change.

All lesion measures are expressed in millimeter cubes, while the brain volume measures are expressed in centimeter cubes. *P* values represent CDMS converters versus CDMS nonconverters groups comparisons and were derived using chi-squared test, Student *t* test and Mann-Whitney *U* test, as appropriated. For MRI measurements, all *P* values were corrected for age and time to follow-up; between groups *P* values were derived from ANCOVA analysis.

\* Significant *P* values are indicated with \*.