

Table 1: Main demographic, clinical and neuropsychological characteristics of all participants.

	HC (n=18)	MSp (n=31)	MSi (n=33)	HC- MSp	HC- MSi	MSp- MSi
Age (SD)	33.33 (9.49)	36.65 (7.46)	41.91 (10.53)	,691	,007 **	,076
[range]	[22-54]	[23-54]	[20-58]			
Gender (Male/Female)	9/9	10/21	9/24			
Mean Education Years (SD)	14.00 (2.59)	11.39 (2.81)	10.64 (2.78)	,006 **	,000 **	,837
[range]	[8-16]	[8-16]	[7-15]			
EDSS (SD)	-	1.87 (1.46)	3.06 (1.33)	-	-	,001 **
[range]		[0-6,5]	[1-6,5]			
Mean years disease duration (SD)	-	6.19 (5.69)	10.30 (7.72)	-	-	,024 *
[range]		[1-28]	[1-29]			
FSS	3.53 (1.13)	3.90 (1.97)	4.04 (1.72)	1,000	,940	1,000
Manipulative IQ (Matrix WAIS-III)	111.39 (13.59)	102.90 (10.86)	97.27 (10.31)	,040 *	,000 **	,149
<b>SRT Long Term Storage</b>	<b>52.67 (12.08)</b>	<b>49.97 (7.48)</b>	<b>31.18 (12.67)</b>	<b>1,000</b>	<b>,000 **</b>	<b>,000 **</b>
<b>SRT Consistent Long Term Retrieval</b>	<b>42.28 (10.46)</b>	<b>41.16 (8.06)</b>	<b>21.06 (11.84)</b>	<b>1,000</b>	<b>,000 **</b>	<b>,000 **</b>
<b>SRT Delayed Recall</b>	<b>9.94 (1.39)</b>	<b>9.68 (1.30)</b>	<b>5.82 (2.26)</b>	<b>1,000</b>	<b>,000 **</b>	<b>,000 **</b>
<b>10/36 SPART Long-Term Storage</b>	<b>22.28 (4.55)</b>	<b>22.35 (4.20)</b>	<b>16.64 (5.14)</b>	<b>1,000</b>	<b>,000 **</b>	<b>,000 **</b>
<b>10/36 SPART Delayed Recall</b>	<b>7.94 (2.15)</b>	<b>7.74 (1.69)</b>	<b>5.64 (2.32)</b>	<b>1,000</b>	<b>,001 **</b>	<b>,000 **</b>

**Abbreviations:** MRI: magnetic resonance imaging; EDSS: Expanded Disability Status Scale; FSS: Fatigue Severity Scale; IQ: Intelligence Quotient; SRT: Selective Reminding Test; SPART: Spatial Recall Test; \*\*: significantly different at  $p < 0.01$ ; \*: significantly different at  $p < 0.05$