

Supplementary Table 1. *Comparison of Cerebellar Volumes among MS fallers, MS non-fallers, and HCs*

	MS (n=31)	MS Faller (n=15)	MS Non- Faller (n=16)	HC (n=29)
Corpus Medullare	11980.81* (1055.54)	11564.73*† (1106.28)	12370.88 (866.40)	12649.83 (1516.50)
Lobules I-III	1137.55* (323.50)	1657.13* (262.52)	1812.94 (363.95)	1901.79 (377.42)
Lobule IV	6125.71 (705.63)	6063.27 (850.74)	6184.25 (559.26)	6131.24 (837.50)
Lobule V	6310.26* (999.08)	6136.33* (988.50)	6473.31 (1012.78)	7043.07 (1019.20)
Lobule VI	16830.68 (2498.76)	15941.73*† (2227.01)	17664.06 (2515.48)	17639.34 (2502.42)
Crus I	24327.58 (3712.18)	23280.07* (3099.90)	25309.63 (4057.81)	25311.72 (2928.88)
Crus II	15100.10 (1909.33)	14843.47 (1500.53)	15340.69 (2249.89)	15304.00 (2480.83)
Lobule VIIIB	10287.26 (1486.58)	10086.07 (1163.91)	10475.88 (1754.14)	10775.59 (1612.21)
Lobule VIIIA	9897.97 (2386.80)	9471.07 (1924.60)	10298.19 (2753.79)	9011.38 (1706.95)
Lobule VIIIB	6137.87 (861.57)	6250.13 (853.04)	6032.63 (883.75)	6471.41 (942.73)
Lobule IX	5677.81 (915.02)	5735.07 (1095.31)	5624.13 (740.58)	6166.03 (1166.55)
Lobule X	889.58 (158.15)	894.07 (156.82)	885.38 (164.41)	899.69 (164.73)
Vermis VI	1421.16 (244.70)	1403.93 (238.77)	1437.31 (256.85)	1417.97 (146.04)
Vermis VII	970.74 (194.20)	976.80 (151.02)	965.06 (232.53)	1038.69 (185.15)
Vermis VIII	1828.03 (300.18)	1765.33 (188.99)	1886.81 (373.18)	1867.34 (358.95)
Vermis IX	965.61 (131.83)	913.67† (131.42)	1014.31 (115.81)	993.86 (191.70)
Vermis X	319.39 (50.53)	299.00*† (52.38)	338.50 (41.71)	340.62 (66.58)
Motor Lobules (I-V, VIII)	30209.4 (3318.3)	29577.9 (2509.2)	30801.3 (3920.9)	30558.9 (2905.2)
Cognitive Lobules (VI, VII, Crus I-II)	66545.6 (6382.9)	64151.3*† (5202.9)	68790.3 (6716.5)	69030.7 (6748.5)

All volumes are in mm³ and listed as mean (SD). * Indicates significantly different from HC at p < 0.05. † Indicates significantly different from non-fallers (see Table 2 for p-values).