

Age (months)		Speed (m/s)	Speed/HW (/s)	SL (m)	SL/HW	SF (/s)	TP (W/kg)	Force (N/kg)	CCP/TP (%)	DVP/TP (%)	MLP/TP (%)	Regularity	Distance
2	Healthy	1.77 (0.29)	5.68 (0.90)	0.61 (0.07)	1.97 (0.26)	2.89 (0.20)	81.5 (18.6)	53.2 (6.3)	44.0 (7.7)	40.3 (7.5)	15.8 (6.1)	197 (49)	1.14 (0.60)
	GRMD	1.02 (0.24)	3.72 (1.04)	0.37 (0.09)	1.35 (0.27)	2.70 (0.70)	44.1 (19.2)	43.4 (20.7)	45.7 (9.9)	34.7 (10.7)	11.2 (13.1)	209 (56)	2.61 (0.73)
	p	p=0.0010	p=0.0054	p<0.0001	p=0.0001	NS	p=0.0017	NS	NS	NS	NS	NS	p=0.0031
3	Healthy	1.83 (0.23)	4.76 (0.54)	0.76 (0.07)	1.94 (0.15)	2.42 (0.14)	93.4 (15.6)	43.5 (2.8)	42.5 (10.4)	44.6 (11.1)	12.9 (1.9)	222 (25)	1.27 (0.51)
	GRMD	1.2 (0.53)	3.33 (1.43)	0.46 (0.14)	1.28 (0.37)	2.50 (0.61)	38.9 (18)	32.4 (6.7)	52.4 (10.3)	32.2 (8.0)	15.4 (6.9)	195 (67)	3.09 (0.68)
	p	p=0.0145	NS	p=0.0003	p=0.0041	NS	p<0.0001	p<0.0001	NS	p=0.0147	NS	NS	p=0.0002
3.5	Healthy	1.96 (0.20)	4.48 (0.43)	0.86 (0.06)	1.95 (0.09)	2.30 (0.20)	99.2 (18.8)	43.2 (5.9)	45.6 (3.7)	44.2 (3.8)	10.3 (1.9)	250 (38)	0.84 (0.19)
	GRMD	0.99 (0.40)	2.50 (0.97)	0.42 (0.13)	1.07 (0.28)	2.27 (0.52)	25.7 (10.1)	26.1 (3.4)	47.3 (12.2)	32.8 (8.2)	19.9 (11.6)	183 (65)	3.22 (0.94)
	p	p<0.0001	p=0.0002	p<0.0001	p<0.0001	NS	p<0.0001	p<0.0001	NS	p=0.0059	NS	p=0.0340	p<0.0001
4	Healthy	2.06 (0.27)	4.63 (0.77)	0.90 (0.08)	1.93 (0.17)	2.31 (0.12)	96.4 (14.2)	36.7 (5.7)	39.0 (2.9)	49.4 (3.3)	11.6 (1.9)	256 (18)	0.55 (0.20)
	GRMD	1.13 (0.37)	2.73 (1.00)	0.51 (0.07)	1.22 (0.19)	2.21 (0.56)	26.9 (11.8)	23.2 (7.3)	44.7 (10.7)	37.5 (15.3)	17.8 (10.1)	211 (43)	3.17 (0.67)
	p	p<0.0001	p=0.0026	p<0.0001	p<0.0001	NS	p<0.0001	p<0.0001	NS	NS	NS	p=0.0299	p<0.0001
4.5	Healthy	2.13 (0.20)	4.39 (0.32)	0.97 (0.08)	2.01 (0.10)	2.19 (0.11)	97.3 (17.4)	42.3 (7.2)	40.6 (6.6)	50.0 (6.7)	9.4 (4.2)	257 (17)	0.83 (0.29)
	GRMD	1.14 (0.51)	2.54 (1.16)	0.50 (0.09)	1.12 (0.20)	2.20 (0.70)	27.6 (18.4)	21.7 (8.4)	47.7 (9.2)	28.2 (7.8)	24.1 (9.7)	184 (16)	3.73 (0.68)
	p	p<0.0001	p=0.0003	p<0.0001	p<0.0001	NS	p<0.0001	p<0.0001	NS	p=0.0002	p=0.0237	p=0.0031	p<0.0001
5	Healthy	2.27 (0.23)	4.33 (0.37)	1.02 (0.12)	1.94 (0.17)	2.23 (0.03)	105.6 (22.4)	36.7 (4.5)	41.1 (1.4)	47.9 (3.9)	11.0 (3.4)	266 (57)	0.83 (0.12)
	GRMD	1.06 (0.51)	2.26 (1.09)	0.51 (0.15)	1.10 (0.28)	1.97 (0.60)	25.9 (20.7)	21.1 (9.2)	44.1 (9.3)	32.8 (11.2)	23.1 (11.8)	184 (46)	3.54 (1.07)
	p	p=0.0008	p=0.0034	p<0.0001	p<0.0001	NS	p<0.0001	p=0.0005	NS	p=0.0241	NS	p=0.0146	p=0.0003
5.5	Healthy	2.23 (0.09)	4.18 (0.32)	1.05 (0.04)	1.96 (0.13)	2.13 (0.09)	96.6 (16.4)	40.1 (7.0)	40.4 (3.3)	48.5 (3.2)	11.1 (3.2)	280 (49)	0.77 (0.19)
	GRMD	1.01 (0.39)	2.12 (0.82)	0.49 (0.11)	1.03 (0.18)	2.02 (0.56)	28.1 (18.7)	25.7 (8.6)	39.6 (14.9)	41.8 (16.8)	18.6 (5.0)	214 (49)	3.33 (0.68)
	p	p<0.0001	p<0.0001	p<0.0001	p<0.0001	NS	p<0.0001	p=0.0012	NS	NS	p=0.0074	p=0.0280	p<0.0001
6	Healthy	2.38 (0.25)	4.36 (0.32)	1.12 (0.09)	2.05 (0.10)	2.12 (0.15)	90.8 (14.4)	49.4 (5.3)	36.2 (6.2)	54.9 (2.8)	8.9 (4.8)	278 (33)	0.75 (0.34)
	GRMD	1.10 (0.36)	2.25 (0.78)	0.51 (0.08)	1.04 (0.16)	2.14 (0.51)	29.1 (17.3)	24.6 (7.2)	41.8 (9.3)	38.2 (8.9)	19.8 (7.1)	224 (29)	3.26 (0.43)
	p	p<0.0001	p=0.0001	p<0.0001	p<0.0001	NS	p<0.0001	p=0.0039	NS	p=0.0021	p=0.0119	p=0.0101	p<0.0001
6.5	Healthy	2.49 (0.20)	4.41 (0.41)	1.14 (0.07)	2.03 (0.12)	2.18 (0.09)	108.3 (9.8)	40.4 (6.1)	42.9 (3.7)	46.7 (3.6)	10.4 (4.0)	260 (29)	0.63 (0.10)
	GRMD	1.09 (0.40)	2.18 (0.79)	0.54 (0.17)	1.08 (0.28)	2.02(0.44)	26.7 (14.8)	23.8 (6.5)	38.6 (13.0)	40.1 (14.2)	21.2 (7.4)	227 (36)	3.30 (0.43)
	p	p<0.0001	p<0.0001	p<0.0001	p<0.0001	NS	p<0.0001	p<0.0001	NS	NS	p=0.0073	NS	p<0.0001
7	Healthy	2.69 (0.17)	4.72 (0.46)	1.20 (0.09)	2.10 (0.18)	2.25 (0.08)	109.4 (11.1)	46.7 (4.1)	45.8 (6.3)	45.6 (4.5)	8.6 (2.4)	273 (27)	0.72 (0.10)
	GRMD	1.05 (0.32)	2.05 (0.57)	0.53 (0.13)	1.04 (0.18)	1.97 (0.49)	22.9 (12.0)	21.0 (6.8)	36.7 (11.7)	37.7 (9.8)	25.5 (7.1)	222 (36)	3.62 (0.51)
	p	p<0.0001	p<0.0001	p<0.0001	p<0.0001	NS	p<0.0001	p=0.0003	NS	NS	p=0.0011	p=0.0345	p<0.0001
7.5	Healthy	2.64 (0.29)	4.56 (0.54)	1.20 (0.07)	2.07 (0.14)	2.19 (0.15)	100.8 (19.2)	46.8 (5.8)	42.6 (10.2)	47.8 (9.0)	9.7 (3.4)	271 (46)	1.14 (0.53)
	GRMD	0.87 (0.34)	1.68 (0.51)	0.50 (0.18)	0.95 (0.27)	1.75 (0.10)	19.9 (12.4)	21.4 (7.3)	36.3 (19.7)	42.6 (15.1)	21.1 (7.5)	220 (46)	3.68 (0.56)
	p	p<0.0001	p<0.0001	p<0.0001	p<0.0001	p<0.0001	p<0.0001	p=0.0007	NS	NS	p=0.0049	NS	p<0.0001
8	Healthy	2.73 (0.22)	4.68 (0.35)	1.26 (0.04)	2.15 (0.07)	2.17 (0.11)	108.2 (16.8)	49.3 (6.8)	43.5 (8.8)	45.6 (9.2)	10.9 (2.9)	278 (55)	1.11 (0.40)
	GRMD	0.81 (0.31)	1.55 (0.51)	0.46 (0.15)	0.88 (0.23)	1.73 (0.21)	19.8 (14.8)	22.2 (8.2)	44.8 (16.2)	32.6 (11.7)	22.7 (8.1)	222 (37)	3.88 (0.49)
	p	p<0.0001	p<0.0001	p<0.0001	p<0.0001	p=0.0006	p<0.0001	p=0.0008	NS	NS	p=0.0056	p=0.0427	p<0.0001
8.5	Healthy	2.64 (0.33)	4.45 (0.48)	1.21 (0.11)	2.03 (0.16)	2.19 (0.16)	104.2 (20.3)	47.9 (7.6)	40.6 (6.5)	47.1 (6.5)	12.3 (3.1)	290 (48)	1.04 (0.23)
	GRMD	0.92 (0.34)	1.75 (0.53)	0.50 (0.19)	0.94 (0.27)	1.86 (0.40)	19.5 (11.2)	19.9 (7.2)	36.3 (15.6)	38.8 (11.2)	24.9 (8.9)	231 (28)	3.58 (0.64)
	p	p<0.0001	p<0.0001	p<0.0001	p<0.0001	NS	p<0.0001	p=0.0003	NS	NS	p=0.0071	p=0.0198	p<0.0001
9	Healthy	2.61 (0.18)	4.39 (0.26)	1.18 (0.03)	1.99 (0.06)	2.21 (0.14)	111.4 (16.3)	41.7 (2.6)	47.8 (4.8)	43.3 (3.9)	8.9 (3.5)	269 (44)	0.80 (0.24)
	GRMD	0.88 (0.46)	1.66 (0.75)	0.49 (0.22)	0.92 (0.31)	1.77 (0.43)	20.8 (16.9)	20.4 (9.3)	44.7 (13.5)	29.4 (6.6)	23.8 (9.1)	225 (31)	3.7 (0.93)
	p	p<0.0001	p<0.0001	p<0.0001	p<0.0001	p=0.0337	p<0.0001	p=0.0002	NS	p=0.0009	p=0.0033	NS	p<0.0001
Age effect	Healthy	p<0.0001 (↗)	p=0.0024 (↘)	p<0.0001 (↗)	NS	p<0.0001 (↘)	NS	NS	NS	NS	p=0.0089 (↘)	p=0.0145 (↗)	p=0.0068 (↘)
	GRMD	NS	p=0.0067 (↘)	NS	NS	p=0.0350 (↘)	NS	p=0.0034 (↘)	NS	NS	NS	NS	NS
	Group effect	p<0.0001	p=0.0003	p=0.0002	p=0.0002	NS	p<0.0001	p=0.0006	NS	p=0.0427	p=0.0162	p=0.0090	p<0.0001
Correlation with motor score		-0.4353	-0.648		-0.6834	-0.5082	-0.564	-0.5368	-0.3492		0.4454		0.6248
p		p=0.0002	p<0.0001	NS	p<0.0001	p<0.0001	p<0.0001	p<0.0001	p=0.0030	NS	p=0.0001	NS	p<0.0001