

Supplementary I.

1. Data of position sense acuity during joint position matching - TD group

(°)	Wrist				Elbow			
	Contra		Ipsi		Contra		Ipsi	
	PE	SDPE	PE	SDPE	PE	SDPE	PE	SDPE
C01	3.67	1.5	5.85	1.46	5.72	0.8	0.87	1.1
C02	3.17	2.39	1.27	1.3	5.17	1.54	4.65	1.99
C03	4.1	0.95	2.31	0.93	3.5	1.51	4.82	1.98
C04	2.56	1.67	2.25	0.89	5.03	0.47	3.01	2.67
C05	1.87	2	3.53	3.09	5.54	1.59	0.97	0.56
C06	2.41	0.87	5.65	2.53	10.02	1.29	3.18	2.94
C07	11.22	1.26	2.34	3.07	7.62	2.24	1.7	1.86
C08	3.82	1.19	1.94	2.36	11.45	0.96	5.05	1.99
C09	3.19	1.76	2.11	1.46	6.38	2.55	1.95	1.95
C10	2.38	2.08	2.62	2.57	11.51	1.04	2.04	2.17
C11	3.22	1.32	1.48	0.93	5.69	1.29	2.5	3.06
C12	3.37	3.94	2.84	1.55	2.49	0.84	1.71	2.21
C13	0.73	0.96	2.68	1.44	13.62	1.02	1.75	1.45
C14	4.02	1.52	1.41	1.9	9.35	1.07	2.45	1
C15	0.27	0.25	1.23	1.54	4.98	2.6	1.35	1.27
C16	3.91	1.45	3.22	1.26	3.32	1.28	5.44	2.19
C17	1.58	1.26	3.61	1.01	0.68	0.83	2.15	2.57
C18	2.17	1.88	1.75	0.5	11.5	0.95	2.12	1.32
C19	1.36	1.82	1.48	1.37	9.41	1.43	2.76	1.15
C20	4.46	1.44	5.72	1.45	3.25	2.41	2.25	2.81
C21	4.76	1.92	0.62	0.63	10.02	1.66	5.97	2.45
C22	0.58	0.67	3.14	0.62	12.06	1.93	1.45	2.04
C23	10.38	0.94	3.58	0.38	5.25	1.18	3.13	1.15
C24	3.92	1.04	2.29	0.79	2.09	1.73	3.89	1.97
C25	7.73	1.54	0.94	0.88	13.75	1.1	2.46	3.18
C26	4.84	0.96	1.5	1.41	9.55	1.98	1.63	1.55
C27	8.82	1.8	1.25	1.22	7.35	2.57	5.84	2.04
C28	8.26	1.34	3.9	2.73	12.07	1.52	2.98	3.41
C29	6.57	0.84	2.11	1.69	9.25	0.71	2.73	2.73
C30	2.21	2.49	0.93	1.38	4.43	1.04	3.89	1.42

2. Data of position sense acuity during joint position matching - DCD group

(°)	Wrist				Elbow			
	Contra		Ipsi		Contra		Ipsi	
	PE	SDPE	PE	SDPE	PE	SDPE	PE	SDPE
D01	2.74	1.76	3.38	1.91	5.5	3.37	4.43	3.37
D02	1.99	2.33	3.69	1.57	8.18	1.74	3.91	4.53
D03	1.72	2.42	2.85	3.38	5.7	1.54	2.03	1.39
D04	4.59	3.94	0.51	0.27	2.88	1.01	3.46	2.4
D05	8.55	4.98	3.42	3.21	6.66	2.03	1.31	1.8
D06	5.02	2.09	2.19	2.29	11.44	3.21	4.01	1.16
D07	3.27	0.77	2.24	2.52	8.49	3.39	1.69	2.52
D08	1.48	1.58	1.94	2.71	7.26	0.86	3.12	2.46
D09	4.55	1.8	1	0.94	9.01	1.28	3.11	3.33
D10	3.29	1.21	1.39	0.88	15.35	0.51	1.24	1.78
D11	10.62	1.07	2.76	3.63	9.94	1.01	4.46	3.17
D12	2.55	3.23	3.41	2.57	4.54	0.99	2.94	1.5
D13	1.93	0.85	2.72	1.13	6.36	1.06	1.21	0.57
D14	1.13	1.18	1.35	1.51	1.31	1.2	3.78	0.98
D15	2.06	2.22	3.49	2.49	8.34	3.72	3.92	4.85
D16	3.5	1.33	0.6	0.75	14.18	1.63	3.22	4.12
D17	1.96	2.14	3.73	1.48	9.39	1.98	2.12	1.91
D18	9.58	2.3	7.61	3.93	11.71	0.99	0.64	0.87
D19	2.74	2.17	3.27	2.78	6.08	0.81	3.27	4.23
D20	2.28	2.18	1.86	2.5	6.14	3.66	2.59	1.96

Supplementary II.

1. Data of normalized position sense acuity during joint position matching - TD group

	Wrist				Elbow			
	Contra		Ipsi		Contra		Ipsi	
(%)	PE _{norm}	SDPE _{norm}	PE _{norm}	SDPE _{norm}	PE _{norm}	SDPE _{norm}	PE _{norm}	SDPE _{norm}
C01	18.35	7.5	29.25	7.3	19.07	2.67	2.9	3.67
C02	15.85	11.95	6.35	6.5	17.23	5.13	15.5	6.63
C03	20.5	4.75	11.55	4.65	11.67	5.03	16.07	6.6
C04	12.8	8.35	11.25	4.45	16.77	1.57	10.03	8.9
C05	9.35	10	17.65	15.45	18.47	5.3	3.23	1.87
C06	12.05	4.35	28.25	12.65	33.4	4.3	10.6	9.8
C07	56.1	6.3	11.7	15.35	25.4	7.47	5.67	6.2
C08	19.1	5.95	9.7	11.8	38.17	3.2	16.83	6.63
C09	15.95	8.8	10.55	7.3	21.27	8.5	6.5	6.5
C10	11.9	10.4	13.1	12.85	38.37	3.47	6.8	7.23
C11	16.1	6.6	7.4	4.65	18.97	4.3	8.33	10.2
C12	16.85	19.7	14.2	7.75	8.3	2.8	5.7	7.37
C13	3.65	4.8	13.4	7.2	45.4	3.4	5.83	4.83
C14	20.1	7.6	7.05	9.5	31.17	3.57	8.17	3.33
C15	1.35	1.25	6.15	7.7	16.6	8.67	4.5	4.23
C16	19.55	7.25	16.1	6.3	11.07	4.27	18.13	7.3
C17	7.9	6.3	18.05	5.05	2.27	2.77	7.17	8.57
C18	10.85	9.4	8.75	2.5	38.33	3.17	7.07	4.4
C19	6.8	9.1	7.4	6.85	31.37	4.77	9.2	3.83
C20	22.3	7.2	28.6	7.25	10.83	8.03	7.5	9.37
C21	23.8	9.6	3.1	3.15	33.4	5.53	19.9	8.17
C22	2.9	3.35	15.7	3.1	40.2	6.43	4.83	6.8
C23	51.9	4.7	17.9	1.9	17.5	3.93	10.43	3.83
C24	19.6	5.2	11.45	3.95	6.97	5.77	12.97	6.57
C25	38.65	7.7	4.7	4.4	45.83	3.67	8.2	10.6
C26	24.2	4.8	7.5	7.05	31.83	6.6	5.43	5.17
C27	44.1	9	6.25	6.1	24.5	8.57	19.47	6.8
C28	41.3	6.7	19.5	13.65	40.23	5.07	9.93	11.37
C29	32.85	4.2	10.55	8.45	30.83	2.37	9.1	9.1
C30	11.05	12.45	4.65	6.9	14.77	3.47	12.97	4.73

2. Data of normalized position sense acuity during joint position matching - DCD group

	Wrist		Elbow	
	Contra	Ipsi	Contra	Ipsi

(%)	PE _{norm}	SDPE _{norm}	PE _{norm}	SDPE _{norm}	PE _{norm}	SDPE _{norm}	PE _{norm}	SDPE _{norm}
D01	18.35	7.5	29.25	7.3	19.07	2.67	2.9	3.67
D02	15.85	11.95	6.35	6.5	17.23	5.13	15.5	6.63
D03	20.5	4.75	11.55	4.65	11.67	5.03	16.07	6.6
D04	12.8	8.35	11.25	4.45	16.77	1.57	10.03	8.9
D05	9.35	10	17.65	15.45	18.47	5.3	3.23	1.87
D06	12.05	4.35	28.25	12.65	33.4	4.3	10.6	9.8
D07	56.1	6.3	11.7	15.35	25.4	7.47	5.67	6.2
D08	19.1	5.95	9.7	11.8	38.17	3.2	16.83	6.63
D09	15.95	8.8	10.55	7.3	21.27	8.5	6.5	6.5
D10	11.9	10.4	13.1	12.85	38.37	3.47	6.8	7.23
D11	16.1	6.6	7.4	4.65	18.97	4.3	8.33	10.2
D12	16.85	19.7	14.2	7.75	8.3	2.8	5.7	7.37
D13	3.65	4.8	13.4	7.2	45.4	3.4	5.83	4.83
D14	20.1	7.6	7.05	9.5	31.17	3.57	8.17	3.33
D15	1.35	1.25	6.15	7.7	16.6	8.67	4.5	4.23
D16	19.55	7.25	16.1	6.3	11.07	4.27	18.13	7.3
D17	7.9	6.3	18.05	5.05	2.27	2.77	7.17	8.57
D18	10.85	9.4	8.75	2.5	38.33	3.17	7.07	4.4
D19	6.8	9.1	7.4	6.85	31.37	4.77	9.2	3.83
D20	22.3	7.2	28.6	7.25	10.83	8.03	7.5	9.37

Supplementary III.

1. Data of position sense acuity during psychophysical threshold testing – TD group

(°)	JND threshold
C01	2.21
C02	1.55
C03	1.95
C04	2.76
C05	2.15
C06	3.66
C07	0.97
C08	3.24
C09	1.69
C10	2.63
C11	2.86
C12	2.23
C13	2.32
C14	1.66
C15	1.67
C16	1.78
C17	2.38
C18	2.93
C19	1.59
C20	3.19
C21	3.07
C22	0.49
C23	1.47
C24	1.99
C25	3.28
C26	1.73
C27	1.5
C28	3.37
C29	2.88
C30	2.13

2. Data of position sense acuity during psychophysical threshold testing – DCD group

(°)	JND threshold
D01	4.33
D02	4.1

D03	4.17
D04	3.42
D05	2.31
D06	6.1
D07	5.64
D08	4.54
D09	3.26
D10	1.49
D11	1.12
D12	2.85
D13	1.9
D14	4.33
D15	6.52
D16	7.85
D17	2.77
D18	4.56
D19	5.22
D20	2.7

Supplementary IV.

1. MABC-2 scores - TD group

MABC-2 scores				
	MD	AM	BLC	TIS
C01	35	25.5	33	93.5
C02	28	27.5	36	91.5
C03	36	24.5	36	96.5
C04	36	23.5	29	88.5
C05	35	19	33.5	87.5
C06	32	19	35.5	86.5
C07	24	26	32	82
C08	22.5	23	24	69.5
C09	39.5	15	34.5	89
C10	25.5	15	35.5	76
C11	30.5	21	29	80.5
C12	20	22	36	78
C13	29.5	13	29.5	72
C14	29.5	10	35.5	75
C15	34.5	20	35.5	90
C16	31.5	18.5	27.5	77.5
C17	18.5	20.5	36	75
C18	29	28	35.5	92.5
C19	28	15	26	69
C20	23	15	30.5	68.5
C21	25.5	19	26	70.5
C22	39.5	19	35.5	94
C23	36.5	15	35.5	87
C24	18.5	24.5	30	73
C25	24	20.5	22.5	67
C26	20.5	25	24	69.5
C27	34	15	35.5	84.5
C28	36.5	14	29.5	80
C29	28.5	21	35.5	85
C30	28.5	17	32	77.5

2. MABC-2 scores - DCD group

MABC-2 scores

	MD	AM	BLC	TIS
D01	20.5	16	14	50.5
D02	21	15	7	43
D03	24	21	9.5	54.5
D04	20.5	15	20	55.5
D05	15.5	14	14	43.5
D06	26.5	10	15	51.5
D07	26	12	17	55
D08	16.5	12	16.5	45
D09	16	10.5	16	42.5
D10	11.5	11	21	43.5
D11	26.5	13	14	53.5
D12	5.5	8	17	30.5
D13	21	12	23	56
D14	10.5	19.5	25.5	55.5
D15	17.5	15	17.5	50
D16	18	19	19	56
D17	27.5	12	15	54.5
D18	17	12	27	56
D19	18	10	28	56
D20	18.5	9.5	15.5	43.5