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2 *Additional file 3 Between group analysis on outcome on trunk and leg strength and tonus*

	Baseline			Pre intervention			Post intervention			Change Pre versus. baseline			Change Post versus. pre intervention		
	Experimental	Control	p	Experimental	Control	p	Experimental	Control	p	Experimental	Control	p	Experimental	Control	p
	group	group		group	group		group	group		group	group		group	group	
	(N=15)	(N=15)		(N=15)	(N=15)		(N=14)	(N=15)		(N=14)	(N=15)		(N=15)	(N=15)	
Strength trunk extension ^A	110.75	111.92	.91	104.64	119.35	.18	129.70	133.22	.80	-6.11	7.43	.20	26.11	13.86	0.34
(Newton)	(35.96)	(21.40)		(27.45)	(30.37)		(41.90)	(33.51)		(30.27)	(26.55)		(26.22)	(39.37)	
Strength trunk flexion ^A	95.75	107.10	.31	95.98	92.83	.49	116.46	106.07	0.24	1.12	-14.27	.07	20.46	13.24	0.26
(Newton)	(23.37)	(35.84)		(16.17)	(15.31)		(25.10)	(21.40)		(13.82)	(27.89)		(17.44)	(15.99)	
Strength trunk lateral flexion affected side ^A	111.29	118.49	.59	116.47	125.18	.72	134.71	135.24	.96	9.15	6.70	.71	18.24	10.05	.44
(Newton)	(34.37)	(37.73)		(29.84)	(39.71)		(26.98)	(34.14)		(16.13)	(19.66)		(23.80)	(31.85)	
Strength trunk lateral flexion less affected side ^A	156.64	143.92	.33	153.15	142.05	.34	160.65	146.91	.19	-3.11	-1.87	.87	7.51	4.86	.83
(Newton)	(35.98)	(33.81)		(38.40)	(26.07)		(17.73)	(34.42)		(23.27)	(18.00)		(35.24)	(29.54)	
Strength trunk rotation affected side ^A	96.22	99.30	.81	98.13	94.28	.60	115.54	104.86	.42	4.55	-5.02	.22	17.41	10.58	.57
(Newton)	(36.43)	(33.74)		(29.72)	(35.54)		(33.37)	(36.15)		(20.94)	(20.43)		(38.50)	(23.97)	
Strength trunk rotation less affected side ^A	121.73	126.41	.66	117.52	119.75	.95	121.14	127.03	.53	-2.57	-6.66	.58	3.61	7.29	.65
(Newton)	(24.72)	(32.93)		(23.33)	(29.31)		(21.46)	(27.99)		(15.19)	(23.80)		(23.26)	(20.17)	

Strength hip extension affected side ^A	94.91	84.77	.45	96.88	92.81	.62	119.60	107.97	.46	4.84	8.04	.81	22.71	15.17	.54
(Newton)	(45.74)	(22.10)		(37.03)	(39.07)		(45.77)	(36.85)		(39.15)	(32.84)		(36.80)	(27.86)	
Strength hip flexion affected side ^A	114.15	117.28	.87	110.07	108.49	.87	125.05	113.32	.47	-2.77	-8.79	.47	14.98	4.83	.27
(Newton)	(57.10)	(44.84)		(50.06)	(45.54)		(50.56)	(34.36)		(19.31)	(25.05)		(23.82)	(24.45)	
Strength hip abduction affected side ^A	103.16	117.00	.30	99.31	110.36	.51	127.23	121.13	.61	-0.71	-6.65	.52	27.92	10.78	.10
(Newton)	(36.97)	(35.30)		(31.53)	(31.79)		(36.43)	(26.31)		(24.25)	(26.11)		(26.36)	(27.30)	
Strength hip adduction affected side ^A	108.26	105.40	.84	114.89	102.14	.38	126.80	110.72	.15	6.28	-3.26	.36	11.91	8.58	.75
(Newton)	(38.28)	(38.98)		(40.53)	(36.83)		(29.17)	(29.20)		(30.77)	(25.46)		(29.82)	(25.83)	
Strength ankle dorsiflexion affected side ^A	74.24	69.77	.77	84.25	73.48	.44	91.30	69.67	.26	12.12	3.71	.35	7.05	-3.81	.22
(Newton)	(44.60)	(37.82)		(44.07)	(46.66)		(57.15)	(44.08)		(22.28)	(26.39)		(26.36)	(20.52)	
Strength ankle plantar flexion affected side ^A	96.29	77.26	.26	91.13	87.94	.74	115.66	89.97	.12	-3.41	10.67	.21	24.54	2.04	.07
(Newton)	(39.67)	(50.94)		(36.51)	(44.62)		(48.83)	(35.68)		(32.18)	(27.86)		(36.51)	(27.11)	
Strength knee extension affected side ^A	113.54	134.63	.27	108.47	121.53	.43	127.87	129.37	.93	-4.46	-13.09	.44	19.40	7.84	.28
(Newton)	(48.23)	(53.25)		(44.11)	(42.18)		(52.85)	(37.29)		(20.62)	(36.96)		(30.82)	(25.71)	
Strength knee flexion affected side ^B	78.40	83.73	.27	90.35	85.67	.84	98.80	79.73	.68	16.17	-1.93	.16	11.60	11.57	.68
(Newton)	(63.93)	(76.23)		(92.82)	(84.87)		(115.74)	(74.73)		(22.16)	(61.50)		(35.07)	(26.57)	
Strength hip extension less affected side ^B	92.37	99.47	.81	109.93	102.90	.57	112.38	110.27	.81	-10.97	-26.23	.54	8.82	15.13	.88
(Newton)	(57.20)	(40.03)		(51.73)	(65.70)		(111.61)	(77.70)		(28.14)	(64.10)		(46.00)	(54.57)	
Strength hip flexion less affected side ^A	165.19	162.28	.84	150.48	157.59	.50	157.47	150.13	.59	-15.35	-4.69	.42	7.00	-7.46	.24
(Newton)	(37.68)	(41.86)		(28.37)	(33.75)		(33.45)	(38.90)		(39.83)	(31.19)		(34.24)	(30.63)	
Strength hip abduction less affected side ^A	147.10	147.08	1.00	139.42	150.49	.40	154.54	154.40	.99	-8.82	3.41	.32	15.12	3.92	.436
(Newton)	(35.39)	(44.74)		(32.37)	(45.99)		(28.26)	(55.20)		(28.41)	(37.56)		(30.42)	(44.09)	

Strength hip adduction less affected side ^A	152.55	160.37	.59	132.93	148.52	.30	156.08	151.43	.68	-18.27	-11.84	.51	23.15	2.90	.11
(Newton)	(32.74)	(44.24)		(38.02)	(37.53)		(26.88)	(32.95)		(27.77)	(24.91)		(32.98)	(33.70)	
Strength ankle dorsiflexion less affected side	134.90	134.46	.97	131.92	132.31	.97	149.94	142.18	.46	-2.25	-2.16	.99	18.02	9.88	.35
^A	(24.40)	(31.31)		(14.74)	(27.87)		(22.89)	(32.12)		(26.48)	(23.61)		(23.25)	(22.76)	
(Newton)															
Strength ankle plantar flexion less affected	143.71	138.26	.69	139.54	141.26	.79	155.52	145.50	.51	-4.94	3.00	.53	15.98	4.24	.35
side ^A	(31.97)	(41.39)		(17.16)	(32.05)		(35.31)	(43.68)		(31.09)	(36.60)		(33.94)	(31.77)	
(Newton)															
Strength knee extension less affected side ^A	175.70	198.95	.30	155.28	166.90	.49	171.25	172.39	.94	-21.16	-32.04	.46	15.97	5.48	.51
(Newton)	(40.80)	(74.82)		(35.86)	(59.04)		(37.69)	(46.20)		(36.53)	(42.81)		(42.78)	(41.24)	
Strength knee flexion less affected side ^B	170	173.63	.94	144.32	146.50	.60	152.40	166.93	.20	-10.96	-26.23	.37	3.05	16.63	.17
(Newton)	(78.13)	(64.67)		(59.72)	(55.40)		(57.03)	(45.53)		(28.14)	(64.10)		(42.58)	(53.97)	
Tone affected side ^B	5.00	3.70	.39	3.00	5.00	.46	3.25	5.00	.84	-1.00	1.00	.009	.50	0.00	.91
	(7.00)	(7.00)		(5.5)	(5.00)		(3.30)	(7.50)		(3.50)	(2.00)		(2.10)	(4.00)	
Tone less affected side ^B	0.00	0.00	.44	0.00	0.00	.13	0.00	0.00	.62	0.00	0.00	1.00	0.00	0.00	.40
	(1.00)	(0.00)		(2.00)	(0.00)		(2.00)	(0.00)		(0.90)	(0.00)		(0.60)	(0.00)	

^A= mean (Standard deviation) , using ANOVA ^B=median (Interquartile range), using Mann-Whitney U test.

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