

Supplementary Material

Static Balancing Ability and Lower Body Kinematics Examination of Hungarian Folk Dancers: A Pilot Study Investigating the “Kalocsai Mars” Dance Sequence

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Supplementary Material S1. Results of the ANOVA test for the angular and kinematic parameters.

		SumSq	DF	MeanSq	F	pValue	pValue GG	pValue HF	pValue LB	eta2
Average Range of Motion of the Joint Angle of the Dominant Knee	(Intercept):Time	282.709	9	31.412	1.046	0.411	0.387	0.400	0.333	
	Alany:Time	561.488	9	62.388	2.078	0.041	0.128	0.094	0.183	0.003
	Error(Time)	2431.439	81	30.018	1	0.5	0.5	0.5	0.5	
Average Range of Motion of the Joint Angle of the Non-dominant Knee	(Intercept):Time	514.216	9	57.135	2.105	0.038	0.145	0.125	0.181	
	Alany:Time	733.182	9	81.465	3.001	0.004	0.069	0.050	0.117	0.004
	Error(Time)	2198.901	81	27.147	1	0.5	0.5	0.5	0.5	
Average Range of Motion of the Tilt of the Hip	(Intercept):Time	38.071	9	4.230	1.822	0.077	0.155	0.110	0.210	
	Alany:Time	39.289	9	4.365	1.880	0.067	0.145	0.099	0.203	0.007
	Error(Time)	188.041	81	2.321	1	0.5	0.5	0.5	0.5	
Average Range of Motion of the Joint Angle of the Dominant Hip Flexion	(Intercept):Time	155.378	9	17.264	1.969	0.054	0.135	0.094	0.194	
	Alany:Time	139.160	9	15.462	1.763	0.088	0.171	0.132	0.217	0.003
	Error(Time)	710.306	81	8.769	1	0.5	0.5	0.5	0.5	
Average Range of Motion of the Joint Angle of the Non-dominant Hip Flexion	(Intercept):Time	248.936	9	27.660	2.813	0.006	0.069	0.045	0.128	
	Alany:Time	249.709	9	27.745	2.822	0.006	0.069	0.045	0.127	0.003
	Error(Time)	796.503	81	9.833	1	0.5	0.5	0.5	0.5	
Relative Standard Deviation of Range of Motion of the Joint Angle of the Dominant Knee	(Intercept):Time	0.010	9	0.001	1.029	0.424	0.399	0.415	0.337	
	Alany:Time	0.009	9	0.001	0.914	0.518	0.454	0.487	0.364	0.024
	Error(Time)	0.087	81	0.001	1	0.5	0.5	0.5	0.5	
Relative Standard Deviation of Range of Motion of the Joint Angle of the Non-dominant Knee	(Intercept):Time	0.007	9	0.001	0.656	0.746	0.588	0.652	0.439	
	Alany:Time	0.007	9	0.001	0.730	0.680	0.545	0.599	0.415	0.036
	Error(Time)	0.091	81	0.001	1	0.5	0.5	0.5	0.5	
Relative Standard Deviation of Range of Motion of the Tilt of the Hip	(Intercept):Time	0.007	9	0.001	0.566	0.821	0.662	0.747	0.471	
	Alany:Time	0.011	9	0.001	0.937	0.498	0.444	0.473	0.358	0.091
	Error(Time)	0.109	81	0.001	1	0.5	0.5	0.5	0.5	
(Intercept):Time		0.005	9	0.001	1.349	0.225	0.274	0.248	0.275	

Relative Standard Deviation of Range of Motion of the Joint Angle of the Dominant Hip Flexion	Alany:Time	0.005	9	0.001	1.367	0.217	0.268	0.240	0.272	0.038
	Error(Time)	0.031	81	0.000	1	0.5	0.5	0.5	0.5	
Relative Standard Deviation of Range of Motion of the Joint Angle of the Non-dominant Hip Flexion	(Intercept):Time	0.007	9	0.001	1.404	0.200	0.266	0.252	0.266	
	Alany:Time	0.005	9	0.001	0.975	0.467	0.414	0.433	0.349	0.053
	Error(Time)	0.047	81	0.001	1	0.5	0.5	0.5	0.5	
Maximum of the Normalized Ground Reaction Forces	(Intercept):Time	0.040	9	0.004	0.283	0.978	0.844	0.919	0.608	
	Alany:Time	0.097	9	0.011	0.686	0.719	0.573	0.635	0.429	0.002
	Error(Time)	1.274	81	0.016	1	0.5	0.5	0.5	0.5	
Average Cycle Time	(Intercept):Time	0.000	9	0	0.081	1.000	0.831	0.847	0.782	
	Alany:Time	0.000	9	0	0.158	0.997	0.750	0.768	0.701	0.072
	Error(Time)	0.004	81	0	1	0.5	0.5	0.5	0.5	

*The p values of green cells are significant with $\alpha = 0.05$, the p values of yellow cells are significant with $\alpha = 0.1$, the p values of red cells are not significant with $\alpha = 0.1$.

Supplementary Material S2. Results of the ANOVA test for the stabilometric parameters.

	'Source'	'SS'	'df'	'MS'	'F'	'p'
COP x range [mm]	'beforeafter'	5.102E-04	1	5.102E-04	2.431	0.150
	'eyes'	3.087E-04	1	3.087E-04	2.514	0.144
	'beforeafter x eyes'	2.473E-05	1	2.473E-05	0.917	0.361
COP z range [mm]	'beforeafter'	3.760E-04	1	3.760E-04	3.355	0.097
	'eyes'	1.200E-04	1	1.200E-04	0.872	0.372
	'beforeafter x eyes'	2.635E-04	1	2.635E-04	1.735	0.217
COP area [mm]	'beforeafter'	2.715E-06	1	2.715E-06	2.407	0.152
	'eyes'	2.823E-07	1	2.823E-07	0.541	0.479
	'beforeafter x eyes'	1.084E-08	1	1.084E-08	0.034	0.858
COP x max +	'beforeafter'	8.433E-04	1	8.433E-04	2.620	0.137
	'eyes'	3.311E-03	1	3.311E-03	11.937	0.006
	'beforeafter x eyes'	8.043E-06	1	8.043E-06	0.008	0.930
COP x max -	'beforeafter'	2.552E-03	1	2.552E-03	8.787	0.014
	'eyes'	1.515E-03	1	1.515E-03	7.107	0.024
	'beforeafter x eyes'	6.024E-05	1	6.024E-05	0.079	0.784
Path of COP	'beforeafter'	4.352E-01	1	4.352E-01	0.022	0.886
	'eyes'	7.942E-01	1	7.942E-01	0.196	0.667
	'beforeafter x eyes'	8.106E+00	1	8.106E+00	1.402	0.264

*The p values of green cells are significant with $\alpha = 0.05$, the p values of red cells are not significant with $\alpha = 0.05$.

Supplementary Material S3. Results of the posthoc test for the angular and kinematic parameters.

	Session number 1	Session number 2	Difference	StdErr	pValue	Lower	Upper
AVG of ROM of Dominant Knee Joint Angle	1	2	0.250	1.312	1	-5.924	6.424
	1	3	-0.858	1.735	1	-9.022	7.306
	1	4	3.730	4.165	1	-15.870	23.331
	1	5	0.687	2.145	1	-9.407	10.782
	1	6	-0.814	1.855	1	-9.545	7.917
	1	7	1.005	2.151	1	-9.119	11.129
	1	8	2.281	2.151	1	-7.843	12.405
	1	9	3.299	1.662	1	-4.520	11.118

1	10	−0.043	2.360	1	−11.148	11.061
2	1	−0.250	1.312	1	−6.424	5.924
2	3	−1.108	1.824	1	−9.692	7.476
2	4	3.481	4.379	1	−17.125	24.087
2	5	0.438	2.506	1	−11.355	12.231
2	6	−1.064	1.912	1	−10.063	7.935
2	7	0.755	2.161	1	−9.414	10.925
2	8	2.031	1.866	1	−6.749	10.811
2	9	3.050	1.872	1	−5.760	11.859
2	10	−0.293	2.364	1	−11.417	10.830
3	1	0.858	1.735	1	−7.306	9.022
3	2	1.108	1.824	1	−7.476	9.692
3	4	4.589	3.696	1	−12.804	21.981
3	5	1.546	1.999	1	−7.863	10.954
3	6	0.044	1.646	1	−7.701	7.790
3	7	1.863	2.084	1	−7.943	11.669
3	8	3.139	2.015	1	−6.346	12.623
3	9	4.157	1.575	1	−3.252	11.567
3	10	0.815	2.078	1	−8.963	10.592
4	1	−3.730	4.165	1	−23.331	15.870
4	2	−3.481	4.379	1	−24.087	17.125
4	3	−4.589	3.696	1	−21.981	12.804
4	5	−3.043	3.213	1	−18.162	12.076
4	6	−4.544	3.817	1	−22.506	13.417
4	7	−2.725	3.989	1	−21.495	16.044
4	8	−1.450	4.022	1	−20.378	17.479
4	9	−0.431	3.869	1	−18.638	17.776
4	10	−3.774	3.685	1	−21.114	13.566
5	1	−0.687	2.145	1	−10.782	9.407
5	2	−0.438	2.506	1	−12.231	11.355
5	3	−1.546	1.999	1	−10.954	7.863
5	4	3.043	3.213	1	−12.076	18.162
5	6	−1.501	1.224	1	−7.261	4.258
5	7	0.318	1.721	1	−7.780	8.416
5	8	1.593	1.755	1	−6.664	9.851
5	9	2.612	1.341	1	−3.700	8.924
5	10	−0.731	2.096	1	−10.593	9.132
6	1	0.814	1.855	1	−7.917	9.545
6	2	1.064	1.912	1	−7.935	10.063
6	3	−0.044	1.646	1	−7.790	7.701
6	4	4.544	3.817	1	−13.417	22.506
6	5	1.501	1.224	1	−4.258	7.261
6	7	1.819	1.741	1	−6.375	10.013
6	8	3.095	0.752	0.118	−0.444	6.634
6	9	4.113	0.577	0.002	1.400	6.826
6	10	0.771	1.578	1	−6.654	8.196
7	1	−1.005	2.151	1	−11.129	9.119
7	2	−0.755	2.161	1	−10.925	9.414
7	3	−1.863	2.084	1	−11.669	7.943
7	4	2.725	3.989	1	−16.044	21.495
7	5	−0.318	1.721	1	−8.416	7.780
7	6	−1.819	1.741	1	−10.013	6.375

	7	8	1.276	1.781	1	-7.106	9.657
	7	9	2.294	1.481	1	-4.674	9.263
	7	10	-1.048	2.309	1	-11.916	9.819
	8	1	-2.281	2.151	1	-12.405	7.843
	8	2	-2.031	1.866	1	-10.811	6.749
	8	3	-3.139	2.015	1	-12.623	6.346
	8	4	1.450	4.022	1	-17.479	20.378
	8	5	-1.593	1.755	1	-9.851	6.664
	8	6	-3.095	0.752	0.118	-6.634	0.444
	8	7	-1.276	1.781	1	-9.657	7.106
	8	9	1.019	0.992	1	-3.649	5.686
	8	10	-2.324	1.592	1	-9.816	5.167
	9	1	-3.299	1.662	1	-11.118	4.520
	9	2	-3.050	1.872	1	-11.859	5.760
	9	3	-4.157	1.575	1	-11.567	3.252
	9	4	0.431	3.869	1	-17.776	18.638
	9	5	-2.612	1.341	1	-8.924	3.700
	9	6	-4.113	0.577	0.002	-6.826	-1.400
	9	7	-2.294	1.481	1	-9.263	4.674
	9	8	-1.019	0.992	1	-5.686	3.649
	9	10	-3.343	1.436	1	-10.101	3.415
	10	1	0.043	2.360	1	-11.061	11.148
	10	2	0.293	2.364	1	-10.830	11.417
	10	3	-0.815	2.078	1	-10.592	8.963
	10	4	3.774	3.685	1	-13.566	21.114
	10	5	0.731	2.096	1	-9.132	10.593
	10	6	-0.771	1.578	1	-8.196	6.654
	10	7	1.048	2.309	1	-9.819	11.916
	10	8	2.324	1.592	1	-5.167	9.816
	10	9	3.343	1.436	1	-3.415	10.101
AVG of ROM of Non-dominant Knee Joint Angle	1	2	-2.228	1.919	1	-11.257	6.802
	1	3	-2.779	2.005	1	-12.213	6.656
	1	4	-0.645	2.563	1	-12.706	11.416
	1	5	-1.316	2.991	1	-15.390	12.759
	1	6	-1.846	3.495	1	-18.295	14.603
	1	7	0.360	3.298	1	-15.159	15.879
	1	8	0.974	3.662	1	-16.260	18.207
	1	9	1.806	4.051	1	-17.257	20.868
	1	10	-2.528	3.420	1	-18.623	13.568
	2	1	2.228	1.919	1	-6.802	11.257
	2	3	-0.551	1.228	1	-6.330	5.228
	2	4	1.582	1.646	1	-6.163	9.328
	2	5	0.912	1.945	1	-8.242	10.066
	2	6	0.382	2.068	1	-9.351	10.114
	2	7	2.587	2.092	1	-7.258	12.432
	2	8	3.201	2.228	1	-7.284	13.687
	2	9	4.033	2.493	1	-7.700	15.766
	2	10	-0.300	2.060	1	-9.994	9.394
	3	1	2.779	2.005	1	-6.656	12.213
	3	2	0.551	1.228	1	-5.228	6.330
	3	4	2.133	1.722	1	-5.972	10.239
	3	5	1.463	2.262	1	-9.182	12.108

3	6	0.933	2.510	1	−10.879	12.744
3	7	3.138	2.072	1	−6.611	12.888
3	8	3.752	2.833	1	−9.581	17.086
3	9	4.584	2.868	1	−8.914	18.082
3	10	0.251	2.158	1	−9.904	10.406
4	1	0.645	2.563	1	−11.416	12.706
4	2	−1.582	1.646	1	−9.328	6.163
4	3	−2.133	1.722	1	−10.239	5.972
4	5	−0.670	1.174	1	−6.193	4.853
4	6	−1.201	1.763	1	−9.496	7.095
4	7	1.005	2.103	1	−8.891	10.901
4	8	1.619	2.378	1	−9.573	12.812
4	9	2.451	2.291	1	−8.329	13.230
4	10	−1.882	2.042	1	−11.494	7.729
5	1	1.316	2.991	1	−12.759	15.390
5	2	−0.912	1.945	1	−10.066	8.242
5	3	−1.463	2.262	1	−12.108	9.182
5	4	0.670	1.174	1	−4.853	6.193
5	6	−0.530	1.056	1	−5.499	4.438
5	7	1.675	1.627	1	−5.983	9.334
5	8	2.289	1.787	1	−6.119	10.698
5	9	3.121	1.896	1	−5.802	12.044
5	10	−1.212	1.541	1	−8.466	6.042
6	1	1.846	3.495	1	−14.603	18.295
6	2	−0.382	2.068	1	−10.114	9.351
6	3	−0.933	2.510	1	−12.744	10.879
6	4	1.201	1.763	1	−7.095	9.496
6	5	0.530	1.056	1	−4.438	5.499
6	7	2.206	1.270	1	−3.768	8.180
6	8	2.820	0.871	0.460	−1.281	6.921
6	9	3.652	0.957	0.185	−0.851	8.154
6	10	−0.682	1.310	1	−6.846	5.483
7	1	−0.360	3.298	1	−15.879	15.159
7	2	−2.587	2.092	1	−12.432	7.258
7	3	−3.138	2.072	1	−12.888	6.611
7	4	−1.005	2.103	1	−10.901	8.891
7	5	−1.675	1.627	1	−9.334	5.983
7	6	−2.206	1.270	1	−8.180	3.768
7	8	0.614	1.506	1	−6.473	7.701
7	9	1.446	1.613	1	−6.147	9.038
7	10	−2.887	0.902	0.485	−7.130	1.355
8	1	−0.974	3.662	1	−18.207	16.260
8	2	−3.201	2.228	1	−13.687	7.284
8	3	−3.752	2.833	1	−17.086	9.581
8	4	−1.619	2.378	1	−12.812	9.573
8	5	−2.289	1.787	1	−10.698	6.119
8	6	−2.820	0.871	0.460	−6.921	1.281
8	7	−0.614	1.506	1	−7.701	6.473
8	9	0.832	0.927	1	−3.529	5.193
8	10	−3.501	1.641	1	−11.226	4.223
9	1	−1.806	4.051	1	−20.868	17.257
9	2	−4.033	2.493	1	−15.766	7.700

	9	3	-4.584	2.868	1	-18.082	8.914
	9	4	-2.451	2.291	1	-13.230	8.329
	9	5	-3.121	1.896	1	-12.044	5.802
	9	6	-3.652	0.957	0.185	-8.154	0.851
	9	7	-1.446	1.613	1	-9.038	6.147
	9	8	-0.832	0.927	1	-5.193	3.529
	9	10	-4.333	1.781	1	-12.714	4.048
	10	1	2.528	3.420	1	-13.568	18.623
	10	2	0.300	2.060	1	-9.394	9.994
	10	3	-0.251	2.158	1	-10.406	9.904
	10	4	1.882	2.042	1	-7.729	11.494
	10	5	1.212	1.541	1	-6.042	8.466
	10	6	0.682	1.310	1	-5.483	6.846
	10	7	2.887	0.902	0.485	-1.355	7.130
	10	8	3.501	1.641	1	-4.223	11.226
	10	9	4.333	1.781	1	-4.048	12.714
AVG of ROM of Non-dominant HIP FLexion Joint Angle	1	2	-0.041	0.886	1	-4.210	4.127
	1	3	-0.322	0.903	1	-4.574	3.929
	1	4	-1.227	1.353	1	-7.592	5.139
	1	5	-1.069	1.216	1	-6.791	4.654
	1	6	-0.299	1.735	1	-8.466	7.867
	1	7	-0.123	1.903	1	-9.077	8.831
	1	8	-0.150	1.917	1	-9.169	8.869
	1	9	0.749	1.861	1	-8.008	9.505
	1	10	-3.632	1.803	1	-12.117	4.854
	2	1	0.041	0.886	1	-4.127	4.210
	2	3	-0.281	0.545	1	-2.845	2.283
	2	4	-1.185	1.393	1	-7.739	5.369
	2	5	-1.027	1.359	1	-7.423	5.368
	2	6	-0.258	1.645	1	-7.997	7.481
	2	7	-0.081	1.908	1	-9.058	8.896
	2	8	-0.109	1.848	1	-8.805	8.588
	2	9	0.790	1.588	1	-6.681	8.261
	2	10	-3.591	2.030	1	-13.144	5.963
	3	1	0.322	0.903	1	-3.929	4.574
	3	2	0.281	0.545	1	-2.283	2.845
	3	4	-0.904	1.019	1	-5.699	3.891
	3	5	-0.746	0.929	1	-5.120	3.628
	3	6	0.023	1.230	1	-5.764	5.810
	3	7	0.200	1.536	1	-7.027	7.426
	3	8	0.172	1.437	1	-6.590	6.935
	3	9	1.071	1.271	1	-4.912	7.054
	3	10	-3.310	1.576	1	-10.728	4.109
	4	1	1.227	1.353	1	-5.139	7.592
	4	2	1.185	1.393	1	-5.369	7.739
	4	3	0.904	1.019	1	-3.891	5.699
	4	5	0.158	0.638	1	-2.846	3.162
	4	6	0.927	1.231	1	-4.865	6.719
	4	7	1.104	1.407	1	-5.517	7.725
	4	8	1.077	1.378	1	-5.407	7.560
	4	9	1.975	1.551	1	-5.322	9.273
	4	10	-2.405	1.546	1	-9.680	4.870

5	1	1.069	1.216	1	−4.654	6.791
5	2	1.027	1.359	1	−5.368	7.423
5	3	0.746	0.929	1	−3.628	5.120
5	4	−0.158	0.638	1	−3.162	2.846
5	6	0.769	0.898	1	−3.457	4.995
5	7	0.946	1.039	1	−3.943	5.835
5	8	0.919	1.026	1	−3.908	5.746
5	9	1.817	1.252	1	−4.076	7.711
5	10	−2.563	1.128	1	−7.872	2.746
6	1	0.299	1.735	1	−7.867	8.466
6	2	0.258	1.645	1	−7.481	7.997
6	3	−0.023	1.230	1	−5.810	5.764
6	4	−0.927	1.231	1	−6.719	4.865
6	5	−0.769	0.898	1	−4.995	3.457
6	7	0.177	0.719	1	−3.207	3.560
6	8	0.149	0.583	1	−2.596	2.895
6	9	1.048	0.509	1	−1.347	3.444
6	10	−3.333	1.085	0.599	−8.438	1.773
7	1	0.123	1.903	1	−8.831	9.077
7	2	0.081	1.908	1	−8.896	9.058
7	3	−0.200	1.536	1	−7.426	7.027
7	4	−1.104	1.407	1	−7.725	5.517
7	5	−0.946	1.039	1	−5.835	3.943
7	6	−0.177	0.719	1	−3.560	3.207
7	8	−0.027	0.749	1	−3.550	3.495
7	9	0.872	0.987	1	−3.774	5.517
7	10	−3.509	1.309	1	−9.668	2.649
8	1	0.150	1.917	1	−8.869	9.169
8	2	0.109	1.848	1	−8.588	8.805
8	3	−0.172	1.437	1	−6.935	6.590
8	4	−1.077	1.378	1	−7.560	5.407
8	5	−0.919	1.026	1	−5.746	3.908
8	6	−0.149	0.583	1	−2.895	2.596
8	7	0.027	0.749	1	−3.495	3.550
8	9	0.899	0.763	1	−2.693	4.490
8	10	−3.482	0.934	0.212	−7.877	0.913
9	1	−0.749	1.861	1	−9.505	8.008
9	2	−0.790	1.588	1	−8.261	6.681
9	3	−1.071	1.271	1	−7.054	4.912
9	4	−1.975	1.551	1	−9.273	5.322
9	5	−1.817	1.252	1	−7.711	4.076
9	6	−1.048	0.509	1	−3.444	1.347
9	7	−0.872	0.987	1	−5.517	3.774
9	8	−0.899	0.763	1	−4.490	2.693
9	10	−4.381	1.387	0.522	−10.910	2.148
10	1	3.632	1.803	1	−4.854	12.117
10	2	3.591	2.030	1	−5.963	13.144
10	3	3.310	1.576	1	−4.109	10.728
10	4	2.405	1.546	1	−4.870	9.680
10	5	2.563	1.128	1	−2.746	7.872
10	6	3.333	1.085	0.599	−1.773	8.438
10	7	3.509	1.309	1	−2.649	9.668

	10	8	3.482	0.934	0.212	−0.913	7.877
	10	9	4.381	1.387	0.522	−2.148	10.910

*The *p* values of green cells are significant with alpha = 0.05.

Supplementary Material S4. data of the angular and kinematic parameters.

Sub- ject	Session number	Num of cy- cles [-]	Aver- age cycle time	DK			NK			DH			NH			PT			GRF	GRF _N [-]
				AVG	SD	RSD	AVG	SD	RSD	AVG	SD	RSD	AVG	SD	RSD	AVG	SD	RSD		
1	1	15	1.92	88.93	11.93	0.13	91.50	23.46	0.26	67.07	11.10	0.17	67.32	16.74	0.25	18.83	4.60	0.24	1601.55	3.34
	2	15	1.91	97.25	11.21	0.12	103.03	11.46	0.11	70.54	10.70	0.15	72.99	7.52	0.10	21.50	3.13	0.15	1623.56	3.38
	3	15	1.91	95.86	11.28	0.12	106.22	8.34	0.08	74.63	10.32	0.14	70.25	6.79	0.10	21.51	2.79	0.13	1593.38	3.32
	4	15	1.91	82.65	6.61	0.08	93.23	8.11	0.09	65.22	7.00	0.11	65.09	5.05	0.08	18.97	1.62	0.09	1685.94	3.51
	5	15	1.91	76.59	10.03	0.13	88.38	4.44	0.05	60.68	10.39	0.17	63.58	3.90	0.06	19.81	4.05	0.20	1670.89	3.48
	6	15	1.91	88.25	11.36	0.13	98.19	9.10	0.09	63.81	6.31	0.10	66.11	4.63	0.07	19.60	2.89	0.15	1663.92	3.47
	7	15	1.91	89.46	10.05	0.11	100.91	6.43	0.06	62.29	8.64	0.14	61.93	4.00	0.06	22.69	3.86	0.17	1614.19	3.36
	8	15	1.91	93.45	10.29	0.11	101.25	6.04	0.06	68.48	10.08	0.15	63.24	4.81	0.08	20.38	4.08	0.20	1628.02	3.39
	9	15	1.91	91.56	17.40	0.19	105.83	8.05	0.08	68.39	12.67	0.19	68.99	9.26	0.13	20.90	3.14	0.15	1654.98	3.45
	10	15	1.91	98.05	5.57	0.06	102.61	5.37	0.05	68.79	7.12	0.10	67.91	5.34	0.08	21.10	4.06	0.19	1653.22	3.44
2	1	16	1.91	99.64	8.04	0.08	108.80	4.73	0.04	59.82	4.85	0.08	65.72	3.67	0.06	12.77	1.77	0.14	2451.42	4.09
	2	16	1.91	98.69	8.64	0.09	109.15	4.86	0.04	58.21	3.78	0.07	62.29	3.88	0.06	11.67	1.72	0.15	2432.46	4.05
	3	16	1.91	101.14	9.20	0.09	109.70	4.10	0.04	61.79	4.40	0.07	62.24	3.52	0.06	11.31	1.82	0.16	2453.92	4.09
	4	16	1.91	99.45	10.95	0.11	105.20	5.46	0.05	62.89	4.06	0.06	60.03	2.78	0.05	11.43	1.94	0.17	2456.03	4.09
	5	16	1.91	101.46	4.76	0.05	105.29	6.21	0.06	63.66	4.11	0.06	61.57	3.58	0.06	11.69	2.59	0.22	2502.50	4.17
	6	16	1.91	100.18	11.13	0.11	105.03	4.93	0.05	64.07	3.75	0.06	59.73	3.72	0.06	10.92	2.00	0.18	2476.31	4.13
	7	16	1.91	98.63	11.21	0.11	105.18	5.01	0.05	61.81	4.38	0.07	60.09	3.40	0.06	11.24	1.70	0.15	2491.59	4.15
	8	16	1.91	97.41	8.17	0.08	103.74	4.96	0.05	66.31	3.89	0.06	61.97	4.19	0.07	11.39	2.38	0.21	2340.40	3.90
	9	16	1.91	99.56	6.59	0.07	102.23	4.71	0.05	63.00	4.78	0.08	58.88	4.36	0.07	10.99	1.56	0.14	2326.38	3.88
	10	16	1.92	98.97	5.48	0.06	113.05	5.08	0.04	64.02	2.90	0.05	73.87	4.00	0.05	11.26	2.00	0.18	2453.03	4.09
3	1	16	1.91	115.62	7.39	0.06	130.74	4.82	0.04	71.83	6.10	0.08	87.51	4.71	0.05	24.31	2.01	0.08	2845.27	4.25
	2	16	1.91	114.97	7.15	0.06	127.93	3.97	0.03	72.26	4.69	0.06	85.50	5.41	0.06	26.57	3.52	0.13	2876.51	4.29
	3	16	1.91	115.70	9.16	0.08	131.49	6.59	0.05	68.53	6.54	0.10	87.82	3.96	0.05	26.13	2.80	0.11	2831.92	4.23
	4	16	1.91	117.70	8.57	0.07	130.69	7.62	0.06	69.61	7.78	0.11	91.30	5.21	0.06	27.89	3.30	0.12	2747.83	4.10
	5	16	1.91	114.51	10.36	0.09	125.54	5.30	0.04	71.65	7.26	0.10	92.12	8.03	0.09	27.79	3.22	0.12	2816.51	4.20
	6	16	1.91	118.28	6.70	0.06	128.06	6.11	0.05	77.24	7.05	0.09	96.48	7.14	0.07	30.70	2.70	0.09	2772.63	4.14
	7	16	1.91	118.95	7.15	0.06	124.97	7.20	0.06	76.09	7.05	0.09	97.56	7.65	0.08	31.46	3.10	0.10	2892.55	4.32
	8	16	1.91	121.02	8.31	0.07	126.44	7.42	0.06	74.26	3.72	0.05	95.92	7.44	0.08	30.00	3.86	0.13	2776.97	4.14
	9	16	1.91	116.29	9.25	0.08	127.06	8.54	0.07	76.79	6.25	0.08	95.67	5.81	0.06	30.37	4.13	0.14	2862.48	4.27
	10	16	1.91	115.73	9.19	0.08	126.83	9.96	0.08	75.21	7.66	0.10	99.86	7.45	0.07	30.69	3.22	0.11	2841.30	4.24
4	1	16	1.91	124.68	8.63	0.07	125.44	5.04	0.04	92.79	9.61	0.10	107.18	3.38	0.03	14.77	1.82	0.12	2860.21	4.58
	2	16	1.91	124.49	3.90	0.03	130.59	3.66	0.03	95.69	7.32	0.08	108.44	4.23	0.04	15.88	1.87	0.12	2826.22	4.52
	3	16	1.91	124.21	5.48	0.04	127.87	5.27	0.04	97.35	8.23	0.08	108.70	3.81	0.04	14.38	3.58	0.25	2881.58	4.61
	4	16	1.91	128.07	7.12	0.06	133.48	3.99	0.03	99.11	6.09	0.06	108.11	3.80	0.04	15.21	2.48	0.16	2766.42	4.43
	5	16	1.91	127.74	2.59	0.02	138.81	8.45	0.06	95.43	10.40	0.11	111.20	4.10	0.04	14.63	2.12	0.14	2749.09	4.40
	6	16	1.92	125.51	6.42	0.05	139.51	18.92	0.14	97.62	8.49	0.09	111.34	6.69	0.06	17.21	4.21	0.24	2842.81	4.55
	7	16	1.91	135.52	29.94	0.22	132.92	4.30	0.03	98.87	8.83	0.09	110.67	4.90	0.04	16.34	3.47	0.21	2834.46	4.54
	8	16	1.91	124.59	3.92	0.03	135.88	9.21	0.07	97.68	8.46	0.09	112.47	3.58	0.03	15.96	1.71	0.11	2880.52	4.61
	9	16	1.91	126.44	5.21	0.04	136.06	3.28	0.02	96.09	7.90	0.08	111.33	4.30	0.04	14.00	2.43	0.17	2924.52	4.68
	10	16	1.91	125.07	7.01	0.06	134.12	4.63	0.03	100.89	8.41	0.08	117.45	3.53	0.03	16.18	3.47	0.21	2910.28	4.66
5	1	16	1.91	122.22	5.93	0.05	114.77	5.16	0.04	42.69	4.04	0.09	41.05	2.69	0.07	15.56	1.46	0.09	2409.43	3.60

	2	16	1.91	125.09	2.87	0.02	116.24	3.92	0.03	43.54	2.43	0.06	41.81	1.96	0.05	16.19	1.81	0.11	2418.90	3.61
	3	16	1.90	125.81	3.67	0.03	122.27	4.60	0.04	41.82	2.47	0.06	41.33	2.31	0.06	17.10	1.45	0.08	2423.45	3.62
	4	16	1.91	124.36	6.36	0.05	121.13	4.74	0.04	41.57	3.09	0.07	45.27	2.18	0.05	17.25	2.15	0.12	2538.75	3.79
	5	16	1.91	125.93	3.72	0.03	122.48	5.16	0.04	43.09	2.62	0.06	43.59	2.21	0.05	17.87	2.32	0.13	2468.73	3.68
	6	16	1.91	128.33	2.64	0.02	125.72	2.64	0.02	43.40	2.75	0.06	44.65	2.89	0.06	18.56	2.07	0.11	2540.19	3.79
	7	16	1.91	128.43	3.35	0.03	127.25	2.77	0.02	44.06	3.46	0.08	43.23	2.56	0.06	19.39	2.12	0.11	2518.18	3.76
	8	16	1.90	128.95	2.58	0.02	124.82	4.02	0.03	44.13	2.71	0.06	44.35	2.53	0.06	19.31	2.41	0.12	2497.29	3.73
	9	16	1.91	126.70	4.18	0.03	123.70	3.90	0.03	43.96	1.75	0.04	45.22	2.35	0.05	18.30	1.93	0.11	2382.13	3.56
	10	16	1.91	133.21	3.75	0.03	127.21	4.11	0.03	45.08	2.88	0.06	45.41	1.91	0.04	18.26	2.13	0.12	2361.43	3.52
6	1	16	1.91	109.62	6.91	0.06	102.63	3.32	0.03	56.01	2.62	0.05	51.65	2.17	0.04	16.92	1.43	0.08	2183.09	3.76
	2	16	1.91	118.69	2.96	0.02	115.06	5.60	0.05	62.92	2.64	0.04	55.96	3.22	0.06	18.07	1.97	0.11	2291.94	3.95
	3	16	1.91	110.20	4.37	0.04	112.28	2.85	0.03	60.34	3.30	0.05	56.42	2.67	0.05	15.41	2.13	0.14	2340.37	4.04
	4	16	1.91	113.76	2.66	0.02	117.26	3.85	0.03	61.99	3.73	0.06	56.31	2.44	0.04	17.57	2.33	0.13	2377.52	4.10
	5	16	1.91	115.05	3.17	0.03	119.22	4.03	0.03	62.12	3.19	0.05	55.86	3.80	0.07	17.29	1.65	0.10	2371.59	4.09
	6	16	1.91	117.41	2.93	0.02	124.45	3.59	0.03	63.71	4.08	0.06	58.36	2.81	0.05	16.48	2.91	0.18	2402.50	4.14
	7	16	1.91	113.47	3.72	0.03	120.11	3.53	0.03	57.66	4.43	0.08	61.54	5.89	0.10	17.43	3.28	0.19	2413.51	4.16
	8	16	1.91	118.53	3.95	0.03	122.93	3.71	0.03	62.62	3.75	0.06	59.56	3.74	0.06	18.75	3.17	0.17	2420.64	4.17
	9	16	1.92	110.03	3.73	0.03	124.65	3.28	0.03	71.11	4.46	0.06	58.57	3.51	0.06	20.12	3.94	0.20	2456.96	4.24
	10	16	1.91	117.52	4.62	0.04	123.54	5.26	0.04	65.49	4.46	0.07	59.13	4.66	0.08	18.22	2.60	0.14	2446.19	4.22
7	1	16	1.91	49.75	5.51	0.11	60.20	9.70	0.16	36.73	3.10	0.08	46.68	5.37	0.12	15.68	2.79	0.18	2503.05	3.05
	2	16	1.91	48.86	6.58	0.13	64.00	6.45	0.10	35.74	3.62	0.10	47.60	4.58	0.10	14.67	2.74	0.19	2782.15	3.39
	3	16	1.97	63.50	15.73	0.25	73.81	10.33	0.14	40.46	5.69	0.14	51.00	5.87	0.12	17.72	4.76	0.27	2819.07	3.44
	4	16	1.91	61.96	10.89	0.18	70.59	9.55	0.14	42.42	5.46	0.13	51.10	3.91	0.08	16.46	3.46	0.21	2703.38	3.30
	5	16	1.91	58.26	15.88	0.27	70.08	12.67	0.18	44.21	4.63	0.10	52.43	3.74	0.07	16.38	3.26	0.20	2655.34	3.24
	6	16	1.90	56.53	9.20	0.16	66.73	5.80	0.09	44.88	5.98	0.13	53.04	5.20	0.10	16.68	3.90	0.23	2699.71	3.29
	7	16	1.91	52.16	9.16	0.18	68.50	8.22	0.12	43.27	5.09	0.12	51.08	5.27	0.10	15.87	2.90	0.18	2579.16	3.15
	8	16	1.89	50.16	7.72	0.15	57.13	8.29	0.15	44.94	4.90	0.11	53.10	8.38	0.16	16.46	2.22	0.13	2740.08	3.34
	9	16	1.91	49.82	9.17	0.18	61.33	8.75	0.14	44.75	5.43	0.12	51.68	7.34	0.14	16.25	2.81	0.17	2653.50	3.24
	10	16	1.91	55.97	10.15	0.18	72.14	6.67	0.09	43.74	2.97	0.07	58.13	4.48	0.08	20.52	5.74	0.28	2700.27	3.29
8	1	16	1.91	139.30	12.84	0.09	146.61	7.19	0.05	65.96	7.36	0.11	63.63	5.02	0.08	13.49	2.32	0.17	2822.62	4.28
	2	16	1.91	133.01	10.59	0.08	153.12	32.86	0.21	64.35	4.36	0.07	61.66	4.66	0.08	13.90	2.00	0.14	2531.51	3.84
	3	16	1.91	134.72	8.63	0.06	148.21	34.17	0.23	70.27	5.98	0.09	61.66	4.43	0.07	13.69	2.81	0.21	2532.76	3.84
	4	16	1.91	127.94	15.81	0.12	149.19	16.40	0.11	66.41	6.45	0.10	66.12	4.88	0.07	13.43	1.77	0.13	2507.46	3.80
	5	16	1.92	139.08	8.33	0.06	148.81	12.51	0.08	69.62	3.80	0.05	64.17	6.99	0.11	14.09	2.66	0.19	2520.72	3.82
	6	16	1.92	142.53	10.49	0.07	147.57	9.22	0.06	66.95	6.68	0.10	56.19	7.67	0.14	13.76	1.72	0.13	2749.87	4.17
	7	16	1.91	127.40	18.41	0.14	137.43	11.28	0.08	65.19	8.72	0.13	59.65	4.27	0.07	15.89	2.99	0.19	2499.32	3.79
	8	16	1.91	135.75	12.29	0.09	142.81	11.33	0.08	68.03	5.18	0.08	55.86	6.97	0.12	13.45	2.42	0.18	2638.24	4.00
	9	16	1.92	135.83	19.17	0.14	140.62	13.10	0.09	65.40	8.27	0.13	52.68	8.66	0.16	13.56	2.26	0.17	2564.64	3.89
	10	16	1.92	141.63	19.36	0.14	145.55	11.57	0.08	69.47	9.91	0.14	56.91	6.33	0.11	12.85	2.73	0.21	2471.18	3.74
9	1	16	1.91	80.55	11.96	0.15	89.53	5.25	0.06	55.30	4.62	0.08	54.72	2.99	0.05	14.69	1.71	0.12	1636.44	2.60
	2	16	1.91	78.67	7.78	0.10	85.97	4.65	0.05	53.96	3.67	0.07	55.02	3.28	0.06	14.26	1.38	0.10	1628.91	2.59
	3	16	1.91	78.49	9.27	0.12	85.69	6.28	0.07	53.44	4.02	0.08	54.10	2.94	0.05	15.06	2.21	0.15	1687.58	2.68
	4	16	1.91	78.17	5.51	0.07	86.68	3.43	0.04	52.99	3.42	0.06	52.80	2.50	0.05	14.93	1.80	0.12	1654.32	2.63
	5	16	1.91	74.44	9.41	0.13	86.37	4.77	0.06	51.34	3.23	0.06	51.98	1.85	0.04	14.37	2.16	0.15	1599.20	2.54
	6	16	1.91	74.05	4.38	0.06	83.21	4.90	0.06	51.16	2.82	0.06	51.18	2.18	0.04	14.24	1.58	0.11	1642.06	2.61
	7	16	1.91	68.43	9.08	0.13	77.64	5.48	0.07	49.75	3.34	0.07	49.47	3.13	0.06	13.31	2.05	0.15	1616.83	2.57
	8	16	1.91	66.04	6.82	0.10	79.57	7.68	0.10	48.01	3.28	0.07	52.27	2.20	0.04	13.76	1.87	0.14	1647.38	2.61
	9	16	1.91	65.78	7.04	0.11	79.14	7.07	0.09	48.90	3.73	0.08	51.68	2.19	0.04	12.60	1.84	0.15	1599.80	2.54
	10	16	1.91	64.37	7.66	0.12	77.32	2.93	0.04	48.38	3.14	0.06	52.66	3.47	0.07	12.44	1.60	0.13	1550.35	2.46
10	1	16	1.91	161.79	8.14	0.05	147.07	3.48	0.02	72.02	7.25	0.10	79.75	6.56	0.08	27.70	6.40	0.23	2907.73	3.93
	2	16	1.91	159.54	9.53	0.06	147.27	2.55	0.02	73.91	7.27	0.10	78.37	5.44	0.07	30.59	3.28	0.11	3199.66	4.32
	3	16	1.91	156.51	9.33	0.06	146.19	3.25	0.02	72.51	8.66	0.12	80.46	7.59	0.09	35.56	4.34	0.12	3203.31	4.33

	4	16	1.91	119.07	3.82	0.03	138.77	4.03	0.03	61.23	4.08	0.07	90.44	6.87	0.08	27.74	3.81	0.14	3275.14	4.43	
	5	16	1.91	153.76	6.98	0.05	148.38	3.77	0.03	74.79	9.04	0.12	85.13	5.50	0.06	36.52	8.95	0.25	3447.06	4.66	
	6	16	1.91	156.59	5.37	0.03	149.50	6.10	0.04	70.52	4.50	0.06	80.26	6.36	0.08	34.91	3.46	0.10	3173.39	4.29	
	7	16	1.91	154.94	10.05	0.06	149.05	4.43	0.03	72.06	6.48	0.09	78.38	5.24	0.07	30.24	5.21	0.17	3214.45	4.34	
	8	16	1.91	148.93	9.52	0.06	147.66	6.08	0.04	69.24	8.03	0.12	80.15	3.71	0.05	28.31	2.38	0.08	3276.87	4.43	
	9	16	1.91	148.37	8.84	0.06	140.66	4.93	0.04	69.22	7.33	0.11	75.15	4.48	0.06	29.64	4.77	0.16	3307.43	4.47	
	10	16	1.91	147.18	10.03	0.07	149.31	7.78	0.05	69.56	7.10	0.10	82.01	7.55	0.09	29.44	5.70	0.19	3380.44	4.57	
	1	16	1.93	122.81	5.15	0.04	143.80	26.75	0.19	40.80	2.74	0.07	62.40	5.43	0.09	15.23	2.48	0.16	2328.06	3.58	
	2	16	1.91	114.30	19.35	0.17	131.83	17.08	0.13	40.04	4.03	0.10	58.31	4.14	0.07	16.54	2.12	0.13	2405.30	3.70	
	3	16	1.91	114.30	19.35	0.17	131.83	17.08	0.13	40.04	4.03	0.10	58.31	4.14	0.07	16.54	2.12	0.13	2303.22	3.54	
11	4	16	1.91	116.52	15.43	0.13	126.20	9.65	0.08	35.91	3.64	0.10	59.86	4.21	0.07	15.18	3.53	0.23	2308.85	3.55	
	5	16	1.91	116.52	15.43	0.13	126.20	9.65	0.08	35.91	3.64	0.10	59.86	4.21	0.07	15.18	3.53	0.23	2325.38	3.58	
	6	16	1.91	111.36	18.42	0.17	118.26	8.81	0.07	34.92	5.48	0.16	56.44	3.24	0.06	13.86	2.32	0.17	2396.36	3.69	
	7	16	1.91	110.20	8.42	0.08	119.43	9.07	0.08	32.49	4.05	0.12	56.15	3.75	0.07	14.78	3.33	0.23	2220.63	3.42	
	8	16	1.91	101.67	12.96	0.13	111.45	12.64	0.11	30.69	3.33	0.11	52.21	6.84	0.13	13.97	2.48	0.18	2368.78	3.64	
	9	16	1.91	103.79	12.77	0.12	104.39	8.34	0.08	34.67	5.25	0.15	52.40	4.25	0.08	12.91	1.84	0.14	2429.53	3.74	
	10	16	1.91	116.23	14.93	0.13	118.64	7.89	0.07	37.46	4.80	0.13	56.16	3.65	0.06	16.04	3.18	0.20	2565.25	3.95	
					DK			NK			DH			NH			PT				
		Session number	Num of cycles [-]	Average cycle time	AVG	SD	RSD	AVG	SD	RSD	AVG	SD	RSD	AVG	SD	RSD	AVG	SD	RSD	GRF	GRF _N [-]
AVG of 11 sub-jects	1	15.9	1.91	110.45	8.40	0.08	114.64	8.99	0.08	60.09	5.76	0.09	66.15	5.34	0.08	17.27	2.62	0.15	2413.53	3.73	
	2	15.9	1.91	110.32	8.23	0.08	116.75	8.82	0.07	61.02	4.96	0.08	66.18	4.39	0.07	18.17	2.32	0.13	2456.10	3.79	
	3	15.9	1.92	110.95	9.59	0.10	117.78	9.35	0.08	61.92	5.79	0.09	66.57	4.37	0.07	18.58	2.80	0.16	2460.96	3.79	
	4	15.9	1.91	106.33	8.52	0.08	115.67	6.98	0.06	59.94	4.98	0.09	67.86	3.98	0.06	17.82	2.56	0.15	2456.51	3.79	
	5	15.9	1.91	109.39	8.24	0.09	116.32	7.00	0.06	61.14	5.67	0.09	67.41	4.36	0.06	18.69	3.32	0.18	2466.09	3.81	
	6	15.9	1.91	110.82	8.09	0.08	116.93	7.28	0.06	61.66	5.26	0.09	66.71	4.77	0.07	18.81	2.71	0.15	2487.25	3.84	
	7	15.9	1.91	108.87	10.96	0.11	114.85	6.16	0.06	60.32	5.86	0.10	66.34	4.55	0.07	18.97	3.09	0.17	2444.99	3.78	
	8	15.9	1.91	107.86	7.87	0.08	113.97	7.40	0.07	61.31	5.21	0.09	66.46	4.94	0.08	18.34	2.63	0.15	2474.11	3.82	
	9	15.9	1.91	106.74	9.40	0.10	113.24	6.72	0.06	62.02	6.17	0.10	65.66	5.14	0.08	18.15	2.79	0.15	2469.30	3.81	
	10	15.9	1.91	110.36	8.89	0.09	117.30	6.48	0.06	62.55	5.58	0.09	69.96	4.76	0.07	18.82	3.31	0.18	2484.81	3.83	
SD of 11 sub-jects	1	0.29	0.00	28.84	2.58	0.03	26.30	7.81	0.07	15.65	2.69	0.03	18.33	3.83	0.06	4.45	1.47	0.05	440.10	0.55	
	2	0.29	0.00	27.88	4.47	0.04	24.82	8.61	0.06	16.63	2.37	0.03	18.14	1.38	0.02	5.52	0.69	0.02	465.88	0.52	
	3	0.29	0.02	24.68	4.43	0.06	22.22	8.74	0.06	16.68	2.35	0.03	18.30	1.62	0.02	6.59	0.99	0.06	466.19	0.52	
	4	0.29	0.00	21.50	4.14	0.04	23.02	3.71	0.03	16.47	1.55	0.02	18.99	1.39	0.02	5.09	0.77	0.04	445.86	0.51	
	5	0.29	0.00	27.87	4.38	0.07	24.78	3.15	0.04	16.23	2.88	0.03	19.36	1.76	0.02	6.92	1.90	0.05	487.84	0.57	
	6	0.29	0.00	28.03	4.43	0.05	25.08	4.22	0.03	16.78	1.75	0.03	19.80	1.86	0.02	7.05	0.83	0.05	447.55	0.53	
	7	0.29	0.00	28.63	7.11	0.06	23.61	2.46	0.03	17.45	2.06	0.02	19.92	1.38	0.02	6.29	0.92	0.04	467.10	0.58	
	8	0.29	0.01	28.46	3.22	0.04	26.09	2.73	0.03	17.46	2.37	0.03	20.08	2.01	0.04	5.74	0.72	0.04	470.08	0.54	
	9	0.29	0.00	28.08	4.88	0.05	24.43	2.88	0.03	16.82	2.74	0.04	19.86	2.26	0.04	6.35	1.03	0.02	482.06	0.58	
	10	0.29	0.00	27.87	4.49	0.05	23.75	2.49	0.02	17.23	2.43	0.03	20.96	1.68	0.02	6.11	1.32	0.05	499.62	0.61	
MIN of 11 sub-jects	1	15.0	1.91	49.75	5.15	0.04	60.20	3.32	0.02	36.73	2.62	0.05	41.05	2.17	0.03	12.77	1.43	0.08	1601.55	2.60	
	2	15.0	1.91	48.86	2.87	0.02	64.00	2.55	0.02	35.74	2.43	0.04	41.81	1.96	0.04	11.67	1.38	0.10	1623.56	2.59	
	3	15.0	1.90	63.50	3.67	0.03	73.81	2.85	0.02	40.04	2.47	0.05	41.33	2.31	0.04	11.31	1.45	0.08	1593.38	2.68	
	4	15.0	1.91	61.96	2.66	0.02	70.59	3.43	0.03	35.91	3.09	0.06	45.27	2.18	0.04	11.43	1.62	0.09	1654.32	2.63	
	5	15.0	1.91	58.26	2.59	0.02	70.08	3.77	0.03	35.91	2.62	0.05	43.59	1.85	0.04	11.69	1.65	0.10	1599.20	2.54	
	6	15.0	1.90	56.53	2.64	0.02	66.73	2.64	0.02	34.92	2.75	0.06	44.65	2.18	0.04	10.92	1.58	0.09	1642.06	2.61	
	7	15.0	1.91	52.16	3.35	0.03	68.50	2.77	0.02	32.49	3.34	0.07	43.23	2.56	0.04	11.24	1.70	0.10	1614.19	2.57	
	8	15.0	1.89	50.16	2.58	0.02	57.13	3.71	0.03	30.69	2.71	0.05	44.35	2.20	0.03	11.39	1.71	0.08	1628.02	2.61	
	9	15.0	1.91	49.82	3.73	0.03	61.33	3.28	0.02	34.67	1.75	0.04	45.22	2.19	0.04	10.99	1.56	0.11	1599.80	2.54	

	10	15.0	1.91	55.97	3.75	0.03	72.14	2.93	0.03	37.46	2.88	0.05	45.41	1.91	0.03	11.26	1.60	0.11	1550.35	2.46
	1	16.0	1.93	161.79	12.84	0.15	147.07	26.75	0.26	92.79	11.10	0.17	107.18	16.74	0.25	27.70	6.40	0.24	2907.73	4.58
	2	16.0	1.91	159.54	19.35	0.17	153.12	32.86	0.21	95.69	10.70	0.15	108.44	7.52	0.10	30.59	3.52	0.19	3199.66	4.52
	3	16.0	1.97	156.51	19.35	0.25	148.21	34.17	0.23	97.35	10.32	0.14	108.70	7.59	0.12	35.56	4.76	0.27	3203.31	4.61
MAX	4	16.0	1.91	128.07	15.81	0.18	149.19	16.40	0.14	99.11	7.78	0.13	108.11	6.87	0.08	27.89	3.81	0.23	3275.14	4.43
of 11	5	16.0	1.92	153.76	15.88	0.27	148.81	12.67	0.18	95.43	10.40	0.17	111.20	8.03	0.11	36.52	8.95	0.25	3447.06	4.66
sub-	6	16.0	1.92	156.59	18.42	0.17	149.50	18.92	0.14	97.62	8.49	0.16	111.34	7.67	0.14	34.91	4.21	0.24	3173.39	4.55
jects	7	16.0	1.91	154.94	29.94	0.22	149.05	11.28	0.12	98.87	8.83	0.14	110.67	7.65	0.10	31.46	5.21	0.23	3214.45	4.54
	8	16.0	1.91	148.93	12.96	0.15	147.66	12.64	0.15	97.68	10.08	0.15	112.47	8.38	0.16	30.00	4.08	0.21	3276.87	4.61
	9	16.0	1.92	148.37	19.17	0.19	140.66	13.10	0.14	96.09	12.67	0.19	111.33	9.26	0.16	30.37	4.77	0.20	3307.43	4.68
	10	16.0	1.92	147.18	19.36	0.18	149.31	11.57	0.09	100.89	9.91	0.14	117.45	7.55	0.11	30.69	5.74	0.28	3380.44	4.66

*DK - Dominant knee flexion-extension angle; DH - Dominant hip flexion-extension angle; NK - Non-dominant knee flexion-extension angle; NH -Non-dominant hip flexion-extension angle; PT - Pelvis tilt angle in sagittal plane; GFR - Ground reaction force.

Supplementary Material S5. Data of the stabilometric parameters.

Subject	Test number	COP x range [mm]	COP z range [mm]	COP area [mm ²]	COP x max + [mm]	COP x max - [mm]	Path of COP [mm]
1	EO1	0.013	0.032	0.0003	0.088	0.075	36.438
	EO2	0.012	0.038	0.0004	0.113	0.100	44.562
	EC1	0.023	0.038	0.0007	0.137	0.113	41.116
	EC2	0.024	0.036	0.0007	0.100	0.076	46.117
2	EO1	0.012	0.026	0.0002	0.147	0.135	29.719
	EO2	0.015	0.026	0.0003	0.047	0.032	39.595
	EC1	0.012	0.025	0.0002	0.075	0.063	33.367
	EC2	0.014	0.022	0.0002	0.091	0.076	29.455
3	EO1	0.009	0.036	0.0003	0.066	0.057	30.074
	EO2	0.012	0.063	0.0006	0.029	0.018	28.086
	EC1	0.017	0.044	0.0006	0.048	0.030	29.027
	EC2	0.026	0.049	0.0010	0.056	0.029	27.786
4	EO1	0.024	0.034	0.0006	0.013	0.011	34.896
	EO2	0.021	0.033	0.0005	0.030	0.009	32.021
	EC1	0.024	0.040	0.0007	0.034	0.010	36.690
	EC2	0.022	0.051	0.0009	0.057	0.035	30.493
5	EO1	0.017	0.050	0.0007	0.029	0.012	28.536
	EO2	0.034	0.028	0.0008	0.045	0.011	31.750
	EC1	0.044	0.036	0.0012	0.072	0.028	29.164
	EC2	0.054	0.063	0.0027	0.093	0.039	34.605
6	EO1	0.014	0.027	0.0003	0.117	0.103	35.873
	EO2	0.023	0.034	0.0006	0.124	0.102	36.222
	EC1	0.023	0.032	0.0006	0.158	0.135	35.516
	EC2	0.027	0.041	0.0009	0.099	0.072	35.418
7	EO1	0.028	0.043	0.0009	0.041	0.014	23.951
	EO2	0.089	0.085	0.0060	0.101	0.011	24.547
	EC1	0.027	0.050	0.0010	0.104	0.077	25.256
	EC2	0.057	0.067	0.0030	0.046	0.011	26.043
8	EO1	0.031	0.061	0.0015	0.072	0.041	39.491
	EO2	0.019	0.027	0.0004	0.044	0.025	30.997
	EC1	0.024	0.033	0.0006	0.088	0.064	34.711
	EC2	0.020	0.046	0.0007	0.076	0.056	30.405
9	EO1	0.017	0.029	0.0004	0.069	0.052	36.360
	EO2	0.012	0.021	0.0002	0.061	0.049	29.742

10	EC1	0.034	0.047	0.0013	0.096	0.062	39.012
	EC2	0.033	0.065	0.0017	0.089	0.056	32.338
	EO1	0.022	0.038	0.0007	0.090	0.068	28.816
	EO2	0.026	0.030	0.0006	0.054	0.028	31.786
	EC1	0.024	0.034	0.0006	0.080	0.056	29.895
	EC2	0.025	0.043	0.0008	0.093	0.069	32.792
	EO1	0.037	0.054	0.0015	0.051	0.014	34.395
	EO2	0.052	0.054	0.0022	0.049	0.004	40.873
11	EC1	0.045	0.033	0.0012	0.092	0.047	37.195
	EC2	0.054	0.048	0.0020	0.079	0.025	38.242
	Test number	COP x range [mm]	COP z range [mm]	COP area [mm ²]	COP x max + [mm]	COP x max - [mm]	Path of COP [mm]
	EO1	0.020	0.039	0.0007	0.071	0.053	32.596
AVG of 11 subjects	EO2	0.029	0.040	0.0011	0.063	0.035	33.653
	EC1	0.027	0.037	0.0008	0.089	0.062	33.723
	EC2	0.032	0.048	0.0013	0.080	0.049	33.063
	EO1	0.008	0.011	0.0004	0.037	0.039	4.430
SD of 11 subjects	EO2	0.022	0.019	0.0016	0.032	0.033	5.713
	EC1	0.010	0.007	0.0003	0.034	0.035	4.642
	EC2	0.015	0.013	0.0009	0.018	0.022	5.305
	EO1	0.037	0.061	0.0015	0.147	0.135	39.491
MAX of 11 subjects	EO2	0.089	0.085	0.0060	0.124	0.102	44.562
	EC1	0.045	0.050	0.0013	0.158	0.135	41.116
	EC2	0.057	0.067	0.0030	0.100	0.076	46.117
	EO1	0.009	0.026	0.0002	0.013	0.011	23.951
MIN of 11 subjects	EO2	0.012	0.021	0.0002	0.029	0.004	24.547
	EC1	0.012	0.025	0.0002	0.034	0.010	25.256
	EC2	0.014	0.022	0.0002	0.046	0.011	26.043

*EO1- stabilometry test before the dancing sessions with eyes opened; EO2- stabilometry test after the dancing sessions with eyes opened; EC1 - stabilometry test before the dancing sessions with eyes closed; EC2- stabilometry test after the dancing sessions with eyes closed.