

Heart rate variability parameters obtained from ECG and Polar V800 HRM (mean ± SD) with % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC), 95% confidence intervals and effect sizes, for each of the correction methods.pdf

For each of the exercise intensities and HR variability parameters a detailed breakdown of each RR interval correction methods are provided, with % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC), 95% confidence intervals and effect sizes. Correction of Polar RR intervals was necessary with large increases in bias, LoA and ES and reduced ICC in all but supine and standing recordings. All correction methods resulted in reduced percentage bias, LoA and ES and increased ICCs for resting and <60% VO_{2MAX} recordings. At greater exercise intensities with the associated increase in artefact occurrence rates while the deletion of artefacts is the simplest of correction techniques it is not recommended; HRV spectral analysis is sensitive to changes in the signal length, discontinuity of the signal and loss of samples, which is reflected in the largest bias, LoA, ES and lowest ICC of any of the correction methods. Linear interpolation produced corrected Polar RR intervals with the lowest bias, LoA, ES and greatest ICC, in most cases. However, caution should be given to RMSSD, LF:HF ratio, SD1 and SampEn at high (60+ VO_{2MAX}) exercise intensities, as, even when correction methods were applied, acceptably corrected RR intervals were not achieved.

Supine: Heart rate variability parameters obtained from the ECG and Polar V800 HRM (mean \pm SD), % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC) and 95 % confidence intervals and effect sizes.

UNCORRECTED						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	1046.7 \pm 168.2	1047.2 \pm 168.1	1.00	0.50	-3.45 to 2.44	0.003 Small
SDNN (ms)	81.27 \pm 40.58	83.98 \pm 42.04	0.99	2.71	-16.01 to 10.58	0.066 Small
RMSSD (ms)	75.89 \pm 50.13	81.79 \pm 52.15	0.96	5.90	-34.77 to 22.97	0.115 Small
PN50 (%)	38.93 \pm 26.49	38.95 \pm 26.39	1.00	0.02	-0.87 to 0.82	0.001 Small
VLF Power (ms ²)	2045.58 \pm 1795.69	2122.64 \pm 1825.75	0.99	77.06	-536.71 to 382.60	0.043 Small
LF Power (ms ²)	1423.70 \pm 1291.45	1576.74 \pm 1472.70	0.96	153.04	-953.79 to 647.72	0.110 Small
HF Power (ms ²)	3978.17 \pm 4800.42	4147.14 \pm 4807.03	1.00	168.97	-1031.31 to 693.38	0.035 Small
nuLF Power	36.84 \pm 16.37	37.51 \pm 16.53	0.99	0.67	-4.26 to 2.91	0.041 Small
nuHF Power	63.01 \pm 16.35	62.35 \pm 16.51	0.99	-0.67	-2.91 to 4.25	0.041 Small
LF:HF Ratio	0.79 \pm 0.93	0.81 \pm 1.02	1.00	0.04	-0.25 to 0.17	0.040 Small
SD1	53.71 \pm 35.48	57.89 \pm 36.91	0.96	4.18	-24.61 to 16.26	0.115 Small
SD2	100.88 \pm 46.86	103.04 \pm 48.21	0.99	2.17	-12.84 to 8.51	0.046 Small
Sample Entropy	1.50 \pm 0.29	1.48 \pm 0.31	0.98	-0.02	-0.10 to 0.15	0.079 Small

DELETION						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	1046.7 \pm 168.2	1046.6 \pm 168.2	1.00	-0.05	-0.12 to 0.23	0.000 Small
SDNN (ms)	81.27 \pm 40.58	81.30 \pm 40.61	1.00	0.03	-0.24 to 0.18	0.001 Small
RMSSD (ms)	75.89 \pm 50.13	76.00 \pm 50.23	1.00	0.11	-0.73 to 0.52	0.002 Small
PN50 (%)	38.93 \pm 26.49	38.91 \pm 26.39	1.00	-0.02	-0.72	0.001 Small
VLF Power (ms ²)	2045.58 \pm 1795.69	2049.72 \pm 1798.21	1.00	4.14	-48.54 to 40.26	0.002 Small
LF Power (ms ²)	1423.70 \pm 1291.45	1427.31 \pm 1296.17	1.00	3.61	-26.55 to 19.33	0.003 Small
HF Power (ms ²)	3978.17 \pm 4800.42	3978.78 \pm 4804.67	1.00	0.61	-41.26 to 40.04	0.000 Small
nuLF Power	36.84 \pm 16.37	36.96 \pm 16.64	1.00	0.12	-0.91 to 0.66	0.007 Small
nuHF Power	63.01 \pm 16.35	62.90 \pm 16.63	1.00	-0.12	-0.66 to 0.90	0.007 Small
LF:HF Ratio	0.79 \pm 0.93	0.81 \pm 1.02	1.00	0.03	-0.23 to 0.17	0.027 Small
SD1	53.71 \pm 35.48	53.79 \pm 35.55	1.00	0.07	-0.52 to 0.37	0.002 Small
SD2	100.88 \pm 46.86	100.89 \pm 46.86	1.00	0.01	-0.19 to 0.17	0.000 Small
Sample Entropy	1.50 \pm 0.29	1.50 \pm 0.30	1.00	0.00	-0.04 to 0.05	0.006 Small

MEAN						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	1046.7 \pm 168.2	1046.6 \pm 168.2	1.00	-0.05	-0.13 to 0.226	0.000 Small
SDNN (ms)	81.27 \pm 40.58	81.25 \pm 40.57	1.00	-0.02	-0.25 to 0.288	0.000 Small
RMSSD (ms)	75.89 \pm 50.13	75.92 \pm 50.19	1.00	0.03	-0.42 to 0.371	0.001 Small
PN50 (%)	38.93 \pm 26.49	38.88 \pm 26.41	1.00	-0.05	-0.61	0.002 Small
VLF Power (ms ²)	2045.58 \pm 1795.69	2045.23 \pm 1795.82	1.00	-0.35	-7.42 to 8.109	0.000 Small
LF Power (ms ²)	1423.70 \pm 1291.45	1424.58 \pm 1291.95	1.00	0.88	-12.68 to 10.931	0.001 Small
HF Power (ms ²)	3978.17 \pm 4800.42	3980.82 \pm 4804.56	1.00	2.64	-37.07 to 31.786	0.001 Small
nuLF Power	36.84 \pm 16.37	36.91 \pm 16.64	1.00	0.08	-0.82 to 0.669	0.005 Small
nuHF Power	63.01 \pm 16.35	62.94 \pm 16.62	1.00	-0.08	-0.67 to 0.824	0.005 Small
LF:HF Ratio	0.79 \pm 0.93	0.81 \pm 1.02	1.00	0.02	-0.23 to 0.176	0.025 Small
SD1	53.71 \pm 35.48	53.73 \pm 35.52	1.00	0.02	-0.30 to 0.263	0.001 Small
SD2	100.88 \pm 46.86	100.84 \pm 46.82	1.00	-0.04	-0.30 to 0.380	0.001 Small
Sample Entropy	1.50 \pm 0.29	1.50 \pm 0.30	1.00	0.00	-0.04 to 0.045	0.005 Small

LINEAR						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	1046.7 \pm 168.2	1046.6 \pm 168.2	1.00	-0.05	-0.15 to 0.257	0.000 Small
SDNN (ms)	81.27 \pm 40.58	81.26 \pm 40.58	1.00	-0.01	-0.23 to 0.246	0.000 Small
RMSSD (ms)	75.89 \pm 50.13	75.93 \pm 50.19	1.00	0.03	-0.42 to 0.359	0.001 Small
PN50 (%)	38.93 \pm 26.49	38.89 \pm 26.41	1.00	-0.04	-0.61	0.002 Small
VLF Power (ms ²)	2045.58 \pm 1795.69	2045.12 \pm 1795.82	1.00	-0.46	-7.18 to 8.096	0.000 Small
LF Power (ms ²)	1423.70 \pm 1291.45	1424.54 \pm 1291.87	1.00	0.84	-12.63 to 10.944	0.001 Small
HF Power (ms ²)	3978.17 \pm 4800.42	3981.37 \pm 4804.44	1.00	3.20	-36.39 to 29.992	0.001 Small
nuLF Power	36.84 \pm 16.37	36.91 \pm 16.64	1.00	0.07	-0.82 to 0.672	0.004 Small
nuHF Power	63.01 \pm 16.35	62.94 \pm 16.62	1.00	-0.07	-0.67 to 0.818	0.004 Small
LF:HF Ratio	0.79 \pm 0.93	0.81 \pm 1.02	1.00	0.02	-0.23 to 0.176	0.025 Small
SD1	53.71 \pm 35.48	53.74 \pm 35.52	1.00	0.02	-0.30 to 0.254	0.001 Small
SD2	100.88 \pm 46.86	100.85 \pm 46.83	1.00	-0.03	-0.26 to 0.316	0.001 Small
Sample Entropy	1.50 \pm 0.29	1.50 \pm 0.30	1.00	0.00	-0.04 to 0.044	0.002 Small

SPLINE	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	1046.7 ± 168.2	1046.6 ± 168.2	1.00	-0.05	-0.15 to 0.257	0.000	Small
SDNN (ms)	81.27 ± 40.58	81.27 ± 40.58	1.00	0.00	-0.21 to 0.215	0.000	Small
RMSSD (ms)	75.89 ± 50.13	75.92 ± 50.19	1.00	0.02	-0.42 to 0.375	0.000	Small
PNN50 (%)	38.93 ± 26.49	38.87 ± 26.41	1.00	-0.06	-0.58	0.002	Small
VLF Power (ms ²)	2045.58 ± 1795.69	2045.15 ± 1825.75	1.00	-0.43	-7.19 to 8.050	0.000	Small
LF Power (ms ²)	1423.70 ± 1291.45	1424.50 ± 1291.87	1.00	0.80	-12.58 to 10.977	0.001	Small
HF Power (ms ²)	3978.17 ± 4800.42	3981.88 ± 4804.44	1.00	3.71	-35.99 to 28.568	0.001	Small
nuLF Power	36.84 ± 16.37	36.90 ± 16.64	1.00	0.07	-0.82 to 0.677	0.004	Small
nuHF Power	63.01 ± 16.35	62.95 ± 16.62	1.00	-0.07	-0.68 to 0.815	0.004	Small
LF:HF Ratio	0.79 ± 0.93	0.81 ± 1.02	1.00	0.02	-0.23 to 0.176	0.025	Small
SD1	53.71 ± 35.48	53.73 ± 35.52	1.00	0.02	-0.30 to 0.266	0.000	Small
SD2	100.88 ± 46.86	100.86 ± 46.85	1.00	-0.02	-0.20 to 0.233	0.000	Small
Sample Entropy	1.50 ± 0.29	1.50 ± 0.30	1.00	0.00	-0.04 to 0.045	0.005	Small

CUBIC	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	1046.7 ± 168.2	1046.6 ± 168.2	1.00	-0.05	-0.15 to 0.257	0.000	Small
SDNN (ms)	81.27 ± 40.58	81.26 ± 40.58	1.00	-0.01	-0.22 to 0.233	0.000	Small
RMSSD (ms)	75.89 ± 50.13	75.91 ± 50.18	1.00	0.02	-0.42 to 0.379	0.000	Small
PNN50 (%)	38.93 ± 26.49	38.89 ± 26.41	1.00	-0.04	-0.65	0.002	Small
VLF Power (ms ²)	2045.58 ± 1795.69	2045.13 ± 1795.83	1.00	-0.44	-7.18 to 8.069	0.000	Small
LF Power (ms ²)	1423.70 ± 1291.45	1424.52 ± 1291.86	1.00	0.82	-12.60 to 10.961	0.001	Small
HF Power (ms ²)	3978.17 ± 4800.42	3981.61 ± 4804.44	1.00	3.44	-36.17 to 29.296	0.001	Small
nuLF Power	36.84 ± 16.37	36.91 ± 16.64	1.00	0.07	-0.82 to 0.675	0.004	Small
nuHF Power	63.01 ± 16.35	62.94 ± 16.62	1.00	-0.07	-0.67 to 0.817	0.004	Small
LF:HF Ratio	0.79 ± 0.93	0.81 ± 1.02	1.00	0.02	-0.23 to 0.176	0.025	Small
SD1	53.71 ± 35.48	53.73 ± 35.52	1.00	0.02	-0.30 to 0.268	0.000	Small
SD2	100.88 ± 46.86	100.86 ± 46.84	1.00	-0.02	-0.22 to 0.265	0.000	Small
Sample Entropy	1.50 ± 0.29	1.50 ± 0.30	1.00	0.00	-0.04 to 0.045	0.005	Small

KUBIOS	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	1046.7 ± 168.2	1046.6 ± 168.2	1.00	-0.05	-0.15 to 0.236	0.000	Small
SDNN (ms)	81.27 ± 40.58	81.30 ± 40.62	1.00	0.03	-0.25 to 0.196	0.001	Small
RMSSD (ms)	75.89 ± 50.13	75.99 ± 50.23	1.00	0.09	-0.69 to 0.507	0.002	Small
PNN50 (%)	38.93 ± 26.49	38.89 ± 26.41	1.00	-0.04	-0.64 to 0.721	0.002	Small
VLF Power (ms ²)	2045.58 ± 1795.69	2044.26 ± 1795.51	1.00	-1.32	-9.13 to 11.767	0.001	Small
LF Power (ms ²)	1423.70 ± 1291.45	1425.25 ± 1293.48	1.00	1.55	-15.34 to 12.231	0.001	Small
HF Power (ms ²)	3978.17 ± 4800.42	3981.69 ± 4804.50	1.00	3.52	-36.11 to 29.077	0.001	Small
nuLF Power	36.84 ± 16.37	36.91 ± 16.64	1.00	0.08	-0.82 to 0.672	0.005	Small
nuHF Power	63.01 ± 16.35	62.94 ± 16.62	1.00	-0.07	-0.67 to 0.821	0.005	Small
LF:HF Ratio	0.79 ± 0.93	0.81 ± 1.02	1.00	0.02	-0.23 to 0.176	0.025	Small
SD1	53.71 ± 35.48	53.78 ± 35.55	1.00	0.07	-0.49 to 0.359	0.002	Small
SD2	100.88 ± 46.86	100.89 ± 46.87	1.00	0.01	-0.19 to 0.166	0.000	Small
Sample Entropy	1.50 ± 0.29	1.50 ± 0.30	1.00	0.00	-0.04 to 0.045	0.005	Small

Standing: Heart rate variability parameters obtained from the ECG and Polar V800 HRM (mean \pm SD), % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC) and 95 % confidence intervals and effect sizes.

UNCORRECTED						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	762.7 \pm 117.0	762.8 \pm 117.1	1.00	0.13	-1.73 to 1.47	0.001 Small
SDNN (ms)	65.06 \pm 18.19	66.91 \pm 22.42	0.95	1.85	-17.36 to 13.67	0.090 Small
RMSSD (ms)	31.94 \pm 13.88	36.83 \pm 26.05	0.65	4.89	-44.06 to 34.27	0.235 Moderate
PN50 (%)	8.57 \pm 7.87	8.58 \pm 7.89	1.00	0.02	-1.06 to 1.03	0.002 Small
VLF Power (ms ²)	1176.31 \pm 747.35	1488.60 \pm 1631.40	0.61	312.28	-2886.36 to 2261.79	0.246 Moderate
LF Power (ms ²)	1707.35 \pm 1290.44	2357.83 \pm 3202.75	0.59	650.48	-5859.12 to 4558.17	0.266 Moderate
HF Power (ms ²)	599.34 \pm 489.70	1050.82 \pm 1961.62	0.30	451.48	-4129.17 to 3226.20	0.316 Moderate
nuLF Power	74.89 \pm 9.13	73.96 \pm 9.60	0.89	-0.93	-7.90 to 9.75	0.099 Small
nuHF Power	25.04 \pm 9.13	25.97 \pm 9.60	0.89	0.93	-9.75 to 7.90	0.099 Small
LF:HF Ratio	3.80 \pm 2.93	3.70 \pm 2.98	0.98	-0.11	-1.13 to 1.34	0.036 Small
SD1	22.61 \pm 9.82	26.07 \pm 18.44	0.65	3.46	-31.18 to 24.26	0.235 Moderate
SD2	88.91 \pm 24.32	90.36 \pm 27.50	0.98	1.45	-14.07 to 11.18	0.056 Small
Sample Entropy	0.91 \pm 0.27	0.91 \pm 0.28	0.99	-0.01	-0.06 to 0.07	0.021 Small

DELETION						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	762.7 \pm 117.0	762.6 \pm 117.0	1.00	-0.09	-0.46 to 0.64	0.001 Small
SDNN (ms)	65.06 \pm 18.19	64.99 \pm 18.14	1.00	-0.07	-0.33 to 0.47	0.004 Small
RMSSD (ms)	31.94 \pm 13.88	31.98 \pm 13.87	1.00	0.04	-0.30 to 0.22	0.003 Small
PN50 (%)	8.57 \pm 7.87	8.56 \pm 7.88	1.00	0.00	-0.98	0.001 Small
VLF Power (ms ²)	1176.31 \pm 747.35	1168.08 \pm 736.09	1.00	-8.23	-26.40 to 42.86	0.011 Small
LF Power (ms ²)	1707.35 \pm 1290.44	1714.06 \pm 1290.48	1.00	6.71	-68.05 to 54.63	0.005 Small
HF Power (ms ²)	599.34 \pm 489.70	595.30 \pm 486.69	1.00	-4.04	-17.07 to 25.15	0.008 Small
nuLF Power	74.89 \pm 9.13	75.06 \pm 9.21	1.00	0.17	-1.37 to 1.04	0.018 Small
nuHF Power	25.04 \pm 9.13	24.87 \pm 9.20	1.00	-0.17	-1.04 to 1.37	0.018 Small
LF:HF Ratio	3.80 \pm 2.93	3.85 \pm 2.93	1.00	0.04	-0.41 to 0.32	0.015 Small
SD1	22.61 \pm 9.82	22.64 \pm 9.82	1.00	0.03	-0.21 to 0.15	0.003 Small
SD2	88.91 \pm 24.32	88.80 \pm 24.24	1.00	-0.11	-0.48 to 0.70	0.005 Small
Sample Entropy	0.91 \pm 0.27	0.91 \pm 0.27	1.00	0.00	-0.03 to 0.03	0.008 Small

MEAN						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	762.7 \pm 117.0	762.6 \pm 117.0	1.00	-0.08	-0.39 to 0.553	0.001 Small
SDNN (ms)	65.06 \pm 18.19	64.98 \pm 18.12	1.00	-0.09	-0.33 to 0.496	0.005 Small
RMSSD (ms)	31.94 \pm 13.88	31.97 \pm 13.87	1.00	0.03	-0.31 to 0.242	0.002 Small
PN50 (%)	8.57 \pm 7.87	8.56 \pm 7.88	1.00	-0.01	-0.97	0.001 Small
VLF Power (ms ²)	1176.31 \pm 747.35	1169.05 \pm 736.93	1.00	-7.26	-24.21 to 38.720	0.010 Small
LF Power (ms ²)	1707.35 \pm 1290.44	1711.26 \pm 1288.74	1.00	3.91	-55.84 to 48.019	0.003 Small
HF Power (ms ²)	599.34 \pm 489.70	595.02 \pm 486.51	1.00	-4.32	-16.72 to 25.353	0.009 Small
nuLF Power	74.89 \pm 9.13	75.04 \pm 9.20	1.00	0.15	-1.25 to 0.946	0.017 Small
nuHF Power	25.04 \pm 9.13	24.89 \pm 9.19	1.00	-0.15	-0.94 to 1.249	0.017 Small
LF:HF Ratio	3.80 \pm 2.93	3.84 \pm 2.93	1.00	0.04	-0.37 to 0.294	0.013 Small
SD1	22.61 \pm 9.82	22.63 \pm 9.82	1.00	0.02	-0.22 to 0.171	0.002 Small
SD2	88.91 \pm 24.32	88.78 \pm 24.21	1.00	-0.13	-0.47 to 0.726	0.005 Small
Sample Entropy	0.91 \pm 0.27	0.91 \pm 0.27	1.00	0.00	-0.03 to 0.027	0.006 Small

LINEAR						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	762.7 \pm 117.0	762.6 \pm 117.0	1.00	-0.07	-0.39 to 0.529	0.001 Small
SDNN (ms)	65.06 \pm 18.19	64.99 \pm 18.13	1.00	-0.08	-0.33 to 0.481	0.004 Small
RMSSD (ms)	31.94 \pm 13.88	31.97 \pm 13.87	1.00	0.04	-0.30 to 0.228	0.003 Small
PN50 (%)	8.57 \pm 7.87	8.57 \pm 7.88	1.00	0.00	-1.01	0.000 Small
VLF Power (ms ²)	1176.31 \pm 747.35	1170.48 \pm 738.10	1.00	-5.84	-24.48 to 36.153	0.008 Small
LF Power (ms ²)	1707.35 \pm 1290.44	1711.70 \pm 1289.14	1.00	4.35	-55.96 to 47.253	0.003 Small
HF Power (ms ²)	599.34 \pm 489.70	595.45 \pm 486.59	1.00	-3.89	-16.07 to 23.845	0.008 Small
nuLF Power	74.89 \pm 9.13	75.03 \pm 9.19	1.00	0.14	-1.24 to 0.948	0.016 Small
nuHF Power	25.04 \pm 9.13	24.89 \pm 9.19	1.00	-0.15	-0.94 to 1.236	0.016 Small
LF:HF Ratio	3.80 \pm 2.93	3.84 \pm 2.93	1.00	0.04	-0.37 to 0.294	0.013 Small
SD1	22.61 \pm 9.82	22.63 \pm 9.82	1.00	0.03	-0.21 to 0.161	0.003 Small
SD2	88.91 \pm 24.32	88.79 \pm 24.23	1.00	-0.12	-0.48 to 0.708	0.005 Small
Sample Entropy	0.91 \pm 0.27	0.91 \pm 0.27	1.00	0.00	-0.03 to 0.027	0.007 Small

SPLINE	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	762.7 ± 117.0	762.6 ± 117.0	1.00	-0.07	-0.39 to 0.529	0.001	Small
SDNN (ms)	65.06 ± 18.19	64.99 ± 18.13	1.00	-0.08	-0.33 to 0.480	0.004	Small
RMSSD (ms)	31.94 ± 13.88	31.97 ± 13.87	1.00	0.04	-0.30 to 0.230	0.003	Small
PNN50 (%)	8.57 ± 7.87	8.56 ± 7.88	1.00	-0.01	-0.97	0.001	Small
VLF Power (ms ²)	1176.31 ± 747.35	1170.50 ± 1631.40	1.00	-5.81	-24.53 to 36.147	0.005	Small
LF Power (ms ²)	1707.35 ± 1290.44	1711.73 ± 1289.17	1.00	4.38	-55.97 to 47.212	0.003	Small
HF Power (ms ²)	599.34 ± 489.70	595.45 ± 486.59	1.00	-3.88	-16.07 to 23.843	0.008	Small
nuLF Power	74.89 ± 9.13	75.03 ± 9.19	1.00	0.14	-1.24 to 0.948	0.016	Small
nuHF Power	25.04 ± 9.13	24.89 ± 9.19	1.00	-0.15	-0.94 to 1.236	0.016	Small
LF:HF Ratio	3.80 ± 2.93	3.84 ± 2.93	1.00	0.04	-0.37 to 0.294	0.013	Small
SD1	22.61 ± 9.82	22.63 ± 9.82	1.00	0.03	-0.21 to 0.163	0.003	Small
SD2	88.91 ± 24.32	88.79 ± 24.23	1.00	-0.12	-0.48 to 0.707	0.005	Small
Sample Entropy	0.91 ± 0.27	0.91 ± 0.27	1.00	0.00	-0.03 to 0.027	0.007	Small

CUBIC	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	762.7 ± 117.0	762.6 ± 117.0	1.00	-0.07	-0.39 to 0.529	0.001	Small
SDNN (ms)	65.06 ± 18.19	64.99 ± 18.13	1.00	-0.08	-0.33 to 0.480	0.004	Small
RMSSD (ms)	31.94 ± 13.88	31.97 ± 13.87	1.00	0.04	-0.30 to 0.230	0.003	Small
PNN50 (%)	8.57 ± 7.87	8.56 ± 7.88	1.00	-0.01	-0.97	0.001	Small
VLF Power (ms ²)	1176.31 ± 747.35	1170.50 ± 738.12	1.00	-5.81	-24.52 to 36.147	0.008	Small
LF Power (ms ²)	1707.35 ± 1290.44	1711.73 ± 1289.17	1.00	4.38	-55.97 to 47.214	0.003	Small
HF Power (ms ²)	599.34 ± 489.70	595.46 ± 486.59	1.00	-3.88	-16.07 to 23.830	0.008	Small
nuLF Power	74.89 ± 9.13	75.03 ± 9.19	1.00	0.14	-1.24 to 0.948	0.016	Small
nuHF Power	25.04 ± 9.13	24.89 ± 9.19	1.00	-0.15	-0.94 to 1.236	0.016	Small
LF:HF Ratio	3.80 ± 2.93	3.84 ± 2.93	1.00	0.04	-0.37 to 0.294	0.013	Small
SD1	22.61 ± 9.82	22.63 ± 9.82	1.00	0.03	-0.21 to 0.163	0.003	Small
SD2	88.91 ± 24.32	88.79 ± 24.23	1.00	-0.12	-0.48 to 0.707	0.005	Small
Sample Entropy	0.91 ± 0.27	0.91 ± 0.27	1.00	0.00	-0.03 to 0.027	0.007	Small

KUBIOS	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	762.7 ± 117.0	762.6 ± 117.0	1.00	-0.09	-0.41 to 0.590	0.001	Small
SDNN (ms)	65.06 ± 18.19	64.98 ± 18.13	1.00	-0.08	-0.33 to 0.482	0.004	Small
RMSSD (ms)	31.94 ± 13.88	31.98 ± 13.87	1.00	0.04	-0.30 to 0.224	0.003	Small
PNN50 (%)	8.57 ± 7.87	8.56 ± 7.88	1.00	-0.01	-0.98 to 0.993	0.001	Small
VLF Power (ms ²)	1176.31 ± 747.35	1169.70 ± 737.46	1.00	-6.61	-23.80 to 37.021	0.009	Small
LF Power (ms ²)	1707.35 ± 1290.44	1711.36 ± 1288.83	1.00	4.01	-55.84 to 47.822	0.003	Small
HF Power (ms ²)	599.34 ± 489.70	595.15 ± 486.53	1.00	-4.19	-16.47 to 24.846	0.009	Small
nuLF Power	74.89 ± 9.13	75.04 ± 9.20	1.00	0.15	-1.25 to 0.946	0.016	Small
nuHF Power	25.04 ± 9.13	24.89 ± 9.19	1.00	-0.15	-0.94 to 1.244	0.016	Small
LF:HF Ratio	3.80 ± 2.93	3.84 ± 2.93	1.00	0.04	-0.37 to 0.294	0.013	Small
SD1	22.61 ± 9.82	22.63 ± 9.82	1.00	0.03	-0.21 to 0.159	0.003	Small
SD2	88.91 ± 24.32	88.79 ± 24.23	1.00	-0.12	-0.47 to 0.710	0.005	Small
Sample Entropy	0.91 ± 0.27	0.91 ± 0.27	1.00	0.00	-0.03 to 0.027	0.007	Small

<40%: Heart rate variability parameters obtained from the ECG and Polar V800 HRM (mean \pm SD), % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC) and 95 % confidence intervals and effect sizes.

UNCORRECTED		Magnitude of the Bias						
		ECG	Polar	Correlation	% Bias	LoA	Effect Size	Interpretation
Mean RR (ms)		638.3 \pm 95.7	643.0 \pm 96.1	1.00	4.73	-19.71 to 10.25	0.049	Small
SDNN (ms)		58.33 \pm 28.17	78.50 \pm 32.69	0.60	20.17	-74.23 to 33.89	0.661	Mod - Great
RMSSD (ms)		22.16 \pm 12.52	64.01 \pm 49.05	-0.03	41.85	-141.70 to 58.00	1.169	Great
PNN50 (%)		4.69 \pm 6.17	6.27 \pm 6.02	0.94	1.58	-5.59 to 2.43	0.259	Moderate
VLF Power (ms ²)	1484.39 \pm 2438.11	1855.09 \pm 2404.41	0.97	370.70	-1486.24 to 744.84	0.153	Small	
LF Power (ms ²)	863.13 \pm 1067.86	2109.53 \pm 1995.34	0.42	1246.40	-4821.61 to 2328.81	0.779	Great	
HF Power (ms ²)	332.62 \pm 401.44	2379.68 \pm 3389.50	-0.21	2047.06	-8901.69 to 4807.57	0.848	Great	
nuLF Power	71.46 \pm 13.73	56.67 \pm 16.50	0.21	-14.79	-22.66 to 52.23	0.974	Great	
nuHF Power	28.40 \pm 13.68	43.10 \pm 16.37	0.21	14.70	-51.87 to 22.47	0.975	Great	
LF:HF Ratio	3.45 \pm 2.43	1.76 \pm 1.30	0.02	-1.69	-3.66 to 7.03	0.866	Great	
SD1	15.70 \pm 8.86	45.34 \pm 34.75	-0.03	29.64	-100.38 to 41.11	1.169	Great	
SD2	80.02 \pm 39.20	97.57 \pm 39.82	0.80	17.55	-66.05 to 30.96	0.444	Moderate	
Sample Entropy	0.80 \pm 0.39	0.61 \pm 0.31	0.61	-0.19	-0.43 to 0.80	0.532	Mod - Great	

DELETION		Magnitude of the Bias						
		ECG	Polar	Correlation	% Bias	LoA	Effect Size	Interpretation
Mean RR (ms)		638.3 \pm 95.7	638.4 \pm 95.7	1.00	0.15	-1.04 to 0.74	0.002	Small
SDNN (ms)		58.33 \pm 28.17	58.45 \pm 28.21	1.00	0.12	-0.57 to 0.34	0.004	Small
RMSSD (ms)		22.16 \pm 12.52	22.40 \pm 12.50	1.00	0.24	-0.71 to 0.23	0.019	Small
PNN50 (%)		4.69 \pm 6.17	4.75 \pm 6.20	1.00	0.06	-0.59	0.010	Small
VLF Power (ms ²)	1484.39 \pm 2438.11	1490.24 \pm 2462.96	1.00	5.85	-68.74 to 57.04	0.002	Small	
LF Power (ms ²)	863.13 \pm 1067.86	864.71 \pm 1067.09	1.00	1.58	-29.34 to 26.17	0.001	Small	
HF Power (ms ²)	332.62 \pm 401.44	331.93 \pm 404.39	1.00	-0.69	-15.70 to 17.09	0.002	Small	
nuLF Power	71.46 \pm 13.73	71.59 \pm 13.69	1.00	0.13	-1.59 to 1.33	0.010	Small	
nuHF Power	28.40 \pm 13.68	28.28 \pm 13.61	1.00	-0.13	-1.45 to 1.70	0.009	Small	
LF:HF Ratio	3.45 \pm 2.43	3.45 \pm 2.40	1.00	0.01	-0.43 to 0.41	0.003	Small	
SD1	15.70 \pm 8.86	15.87 \pm 8.85	1.00	0.17	-0.50 to 0.16	0.019	Small	
SD2	80.02 \pm 39.20	80.15 \pm 39.27	1.00	0.13	-0.77 to 0.50	0.003	Small	
Sample Entropy	0.80 \pm 0.39	0.80 \pm 0.37	0.99	0.00	-0.10 to 0.09	0.005	Small	

MEAN		Magnitude of the Bias						
		ECG	Polar	Correlation	% Bias	LoA	Effect Size	Interpretation
Mean RR (ms)		638.3 \pm 95.7	638.2 \pm 95.6	1.00	-0.05	-0.30 to 0.413	0.001	Small
SDNN (ms)		58.33 \pm 28.17	58.32 \pm 28.19	1.00	-0.01	-0.22 to 0.227	0.000	Small
RMSSD (ms)		22.16 \pm 12.52	22.19 \pm 12.55	1.00	0.03	-0.48 to 0.413	0.003	Small
PNN50 (%)		4.69 \pm 6.17	4.67 \pm 6.19	1.00	-0.02	-0.67	0.004	Small
VLF Power (ms ²)	1484.39 \pm 2438.11	1485.94 \pm 2458.15	1.00	1.55	-54.98 to 51.879	0.001	Small	
LF Power (ms ²)	863.13 \pm 1067.86	864.27 \pm 1067.88	1.00	1.14	-10.57 to 8.282	0.001	Small	
HF Power (ms ²)	332.62 \pm 401.44	331.80 \pm 404.71	1.00	-0.82	-16.81 to 18.461	0.002	Small	
nuLF Power	71.46 \pm 13.73	71.59 \pm 13.83	1.00	0.13	-1.79 to 1.521	0.010	Small	
nuHF Power	28.40 \pm 13.68	28.28 \pm 13.77	1.00	-0.13	-1.51 to 1.759	0.009	Small	
LF:HF Ratio	3.45 \pm 2.43	3.55 \pm 2.71	1.00	0.11	-0.81 to 0.591	0.042	Small	
SD1	15.70 \pm 8.86	15.72 \pm 8.89	1.00	0.02	-0.34 to 0.292	0.003	Small	
SD2	80.02 \pm 39.20	80.01 \pm 39.23	1.00	-0.01	-0.28 to 0.298	0.000	Small	
Sample Entropy	0.80 \pm 0.39	0.79 \pm 0.36	0.99	-0.01	-0.09 to 0.109	0.023	Small	

LINEAR		Magnitude of the Bias						
		ECG	Polar	Correlation	% Bias	LoA	Effect Size	Interpretation
Mean RR (ms)		638.3 \pm 95.7	638.2 \pm 95.7	1.00	-0.08	-0.07 to 0.221	0.001	Small
SDNN (ms)		58.33 \pm 28.17	58.35 \pm 28.20	1.00	0.02	-0.13 to 0.090	0.001	Small
RMSSD (ms)		22.16 \pm 12.52	22.27 \pm 12.53	1.00	0.11	-0.44 to 0.208	0.009	Small
PNN50 (%)		4.69 \pm 6.17	4.71 \pm 6.20	1.00	0.02	-0.56	0.004	Small
VLF Power (ms ²)	1484.39 \pm 2438.11	1490.04 \pm 2460.13	1.00	5.65	-51.14 to 39.838	0.002	Small	
LF Power (ms ²)	863.13 \pm 1067.86	863.06 \pm 1066.91	1.00	-0.07	-4.53 to 4.659	0.000	Small	
HF Power (ms ²)	332.62 \pm 401.44	333.51 \pm 404.15	1.00	0.89	-10.55 to 8.778	0.002	Small	
nuLF Power	71.46 \pm 13.73	71.42 \pm 13.73	1.00	-0.04	-1.05 to 1.129	0.003	Small	
nuHF Power	28.40 \pm 13.68	28.44 \pm 13.67	1.00	0.04	-1.11 to 1.034	0.003	Small	
LF:HF Ratio	3.45 \pm 2.43	3.43 \pm 2.42	1.00	-0.01	-0.14 to 0.160	0.005	Small	
SD1	15.70 \pm 8.86	15.78 \pm 8.87	1.00	0.08	-0.31 to 0.147	0.009	Small	
SD2	80.02 \pm 39.20	80.04 \pm 39.24	1.00	0.02	-0.15 to 0.111	0.000	Small	
Sample Entropy	0.80 \pm 0.39	0.80 \pm 0.37	1.00	0.00	-0.06 to 0.061	0.003	Small	

SPLINE	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	638.3 ± 95.7	638.2 ± 95.7	1.00	-0.08	-0.07 to 0.221	0.001	Small
SDNN (ms)	58.33 ± 28.17	58.35 ± 28.19	1.00	0.02	-0.13 to 0.084	0.001	Small
RMSSD (ms)	22.16 ± 12.52	22.25 ± 12.54	1.00	0.09	-0.42 to 0.233	0.008	Small
PNN50 (%)	4.69 ± 6.17	4.70 ± 6.20	1.00	0.01	-0.60	0.001	Small
VLF Power (ms ²)	1484.39 ± 2438.11	1490.10 ± 2404.41	1.00	5.71	-51.17 to 39.752	0.002	Small
LF Power (ms ²)	863.13 ± 1067.86	863.39 ± 1067.08	1.00	0.26	-5.13 to 4.606	0.000	Small
HF Power (ms ²)	332.62 ± 401.44	333.95 ± 403.95	1.00	1.32	-10.45 to 7.800	0.003	Small
nuLF Power	71.46 ± 13.73	71.35 ± 13.74	1.00	-0.11	-0.83 to 1.056	0.008	Small
nuHF Power	28.40 ± 13.68	28.52 ± 13.68	1.00	0.12	-1.05 to 0.817	0.008	Small
LF:HF Ratio	3.45 ± 2.43	3.42 ± 2.42	1.00	-0.03	-0.16 to 0.214	0.010	Small
SD1	15.70 ± 8.86	15.77 ± 8.88	1.00	0.07	-0.30 to 0.165	0.007	Small
SD2	80.02 ± 39.20	80.05 ± 39.23	1.00	0.02	-0.15 to 0.096	0.001	Small
Sample Entropy	0.80 ± 0.39	0.80 ± 0.37	1.00	0.00	-0.07 to 0.073	0.006	Small

CUBIC	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	638.3 ± 95.7	638.2 ± 95.7	1.00	-0.09	-0.11 to 0.283	0.001	Small
SDNN (ms)	58.33 ± 28.17	58.36 ± 28.19	1.00	0.03	-0.16 to 0.105	0.001	Small
RMSSD (ms)	22.16 ± 12.52	22.25 ± 12.54	1.00	0.09	-0.42 to 0.235	0.007	Small
PNN50 (%)	4.69 ± 6.17	4.70 ± 6.20	1.00	0.01	-0.60	0.001	Small
VLF Power (ms ²)	1484.39 ± 2438.11	1490.09 ± 2460.11	1.00	5.70	-51.17 to 39.764	0.002	Small
LF Power (ms ²)	863.13 ± 1067.86	863.18 ± 1066.98	1.00	0.05	-5.18 to 5.076	0.000	Small
HF Power (ms ²)	332.62 ± 401.44	333.70 ± 403.99	1.00	1.07	-10.66 to 8.508	0.003	Small
nuLF Power	71.46 ± 13.73	71.37 ± 13.73	1.00	-0.09	-0.90 to 1.083	0.007	Small
nuHF Power	28.40 ± 13.68	28.49 ± 13.67	1.00	0.09	-1.07 to 0.892	0.007	Small
LF:HF Ratio	3.45 ± 2.43	3.43 ± 2.42	1.00	-0.02	-0.17 to 0.207	0.009	Small
SD1	15.70 ± 8.86	15.77 ± 8.88	1.00	0.06	-0.30 to 0.166	0.007	Small
SD2	80.02 ± 39.20	80.05 ± 39.23	1.00	0.03	-0.19 to 0.133	0.001	Small
Sample Entropy	0.80 ± 0.39	0.80 ± 0.37	1.00	0.00	-0.06 to 0.064	0.001	Small

KUBIOS	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	638.3 ± 95.7	631.0 ± 102.8	0.95	-7.24	-53.10 to 67.576	0.073	Small
SDNN (ms)	58.33 ± 28.17	58.35 ± 28.27	1.00	0.02	-1.96 to 1.911	0.001	Small
RMSSD (ms)	22.16 ± 12.52	21.59 ± 13.10	0.98	-0.57	-4.58 to 5.708	0.044	Small
PNN50 (%)	4.69 ± 6.17	4.67 ± 6.21	1.00	-0.03	-0.53 to 0.585	0.004	Small
VLF Power (ms ²)	1484.39 ± 2438.11	1465.65 ± 2464.50	1.00	-18.74	-123.16 to 160.644	0.008	Small
LF Power (ms ²)	863.13 ± 1067.86	827.27 ± 1079.33	0.99	-35.86	-202.77 to 274.491	0.033	Small
HF Power (ms ²)	332.62 ± 401.44	310.09 ± 409.26	0.98	-22.54	-128.22 to 173.292	0.056	Small
nuLF Power	71.46 ± 13.73	72.81 ± 13.80	0.94	1.35	-10.30 to 7.610	0.098	Small
nuHF Power	28.40 ± 13.68	27.09 ± 13.75	0.95	-1.31	-7.43 to 10.051	0.095	Small
LF:HF Ratio	3.45 ± 2.43	3.70 ± 2.63	0.96	0.26	-1.72 to 1.207	0.101	Small
SD1	15.70 ± 8.86	15.30 ± 9.27	0.98	-0.40	-3.24 to 4.037	0.044	Small
SD2	80.02 ± 39.20	80.12 ± 39.28	1.00	0.10	-2.83 to 2.637	0.003	Small
Sample Entropy	0.80 ± 0.39	0.76 ± 0.37	0.92	-0.04	-0.25 to 0.336	0.109	Small

40% - 60%: Heart rate variability parameters obtained from the ECG and Polar V800 HRM (mean \pm SD), % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC) and 95 % confidence intervals and effect sizes.

UNCORRECTED							
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
					Effect Size	Interpretation	
Mean RR (ms)	513.9 \pm 85.5	524.4 \pm 86.3	0.98	10.48	-41.73 to 20.77	0.122	Small
SDNN (ms)	40.27 \pm 16.64	72.92 \pm 40.51	0.35	32.65	-107.20 to 41.90	1.054	Great
RMSSD (ms)	8.88 \pm 9.00	75.20 \pm 64.76	-0.11	66.32	-196.46 to 63.83	1.434	Great
PNND50 (%)	0.46 \pm 1.66	4.02 \pm 5.42	0.16	3.57	-14.19 to 7.06	0.889	Great
VLF Power (ms $^{-2}$)	773.63 \pm 838.21	1509.39 \pm 1732.79	0.51	735.76	-3667.03 to 2195.51	0.541	Mod - Great
LF Power (ms $^{-2}$)	245.02 \pm 763.17	2759.85 \pm 5453.62	0.02	2514.83	-13271.68 to 8242.03	0.646	Mod - Great
HF Power (ms $^{-2}$)	92.37 \pm 284.17	3271.32 \pm 4776.67	-0.13	3178.94	-12631.57 to 6273.68	0.940	Great
nuLF Power	79.02 \pm 12.69	54.23 \pm 23.97	0.54	-24.79	-14.69 to 64.27	1.292	Great
nuHF Power	20.91 \pm 12.68	45.44 \pm 23.82	0.54	24.53	-63.72 to 14.66	1.285	Great
LF:HF Ratio	6.90 \pm 7.63	4.19 \pm 7.98	0.95	-2.71	-2.32 to 7.74	0.347	Moderate
SD1	6.29 \pm 6.38	53.25 \pm 45.87	-0.11	46.96	-139.13 to 45.21	1.434	Great
SD2	56.39 \pm 22.95	85.55 \pm 40.98	0.52	29.16	-97.95 to 39.63	0.878	Great
Sample Entropy	0.45 \pm 0.25	0.34 \pm 0.20	0.66	-0.11	-0.27 to 0.48	0.463	Moderate

DELETION							
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
					Effect Size	Interpretation	
Mean RR (ms)	513.9 \pm 85.5	514.3 \pm 85.6	1.00	0.37	-2.43 to 1.69	0.004	Small
SDNN (ms)	40.27 \pm 16.64	40.49 \pm 16.77	1.00	0.21	-1.01 to 0.59	0.013	Small
RMSSD (ms)	8.88 \pm 9.00	9.23 \pm 8.88	1.00	0.36	-0.95 to 0.24	0.040	Small
PNND50 (%)	0.46 \pm 1.66	0.46 \pm 1.66	1.00	0.00	-0.03	0.003	Small
VLF Power (ms $^{-2}$)	773.63 \pm 838.21	784.99 \pm 848.38	1.00	11.36	-108.49 to 85.77	0.013	Small
LF Power (ms $^{-2}$)	245.02 \pm 763.17	248.35 \pm 765.85	1.00	3.33	-13.36 to 6.70	0.004	Small
HF Power (ms $^{-2}$)	92.37 \pm 284.17	93.37 \pm 281.65	1.00	1.00	-7.79 to 5.79	0.004	Small
nuLF Power	79.02 \pm 12.69	77.92 \pm 11.98	0.98	-1.10	-4.36 to 6.55	0.089	Small
nuHF Power	20.91 \pm 12.68	21.98 \pm 11.98	0.98	1.07	-6.46 to 4.31	0.087	Small
LF:HF Ratio	6.90 \pm 7.63	6.20 \pm 7.35	0.98	-0.70	-2.54 to 3.95	0.094	Small
SD1	6.29 \pm 6.38	6.55 \pm 6.30	1.00	0.25	-0.67 to 0.17	0.040	Small
SD2	56.39 \pm 22.95	56.66 \pm 23.15	1.00	0.27	-1.39 to 0.84	0.012	Small
Sample Entropy	0.45 \pm 0.25	0.49 \pm 0.24	0.98	0.04	-0.15 to 0.06	0.179	Small

MEAN							
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
					Effect Size	Interpretation	
Mean RR (ms)	513.9 \pm 85.5	513.8 \pm 85.5	1.00	-0.05	-0.10 to 0.198	0.001	Small
SDNN (ms)	40.27 \pm 16.64	40.28 \pm 16.63	1.00	0.00	-0.11 to 0.104	0.000	Small
RMSSD (ms)	8.88 \pm 9.00	9.05 \pm 8.92	1.00	0.17	-0.79 to 0.449	0.019	Small
PNND50 (%)	0.46 \pm 1.66	0.46 \pm 1.66	-	0.00	-	0.000	Small
VLF Power (ms $^{-2}$)	773.63 \pm 838.21	771.81 \pm 838.88	1.00	-1.82	-3.45 to 7.093	0.002	Small
LF Power (ms $^{-2}$)	245.02 \pm 763.17	245.54 \pm 766.52	1.00	0.53	-7.90 to 6.846	0.001	Small
HF Power (ms $^{-2}$)	92.37 \pm 284.17	92.13 \pm 281.76	1.00	-0.25	-4.85 to 5.339	0.001	Small
nuLF Power	79.02 \pm 12.69	78.07 \pm 12.06	0.98	-0.95	-3.72 to 5.611	0.077	Small
nuHF Power	20.91 \pm 12.68	21.84 \pm 12.05	0.98	0.94	-5.55 to 3.680	0.076	Small
LF:HF Ratio	6.90 \pm 7.63	6.26 \pm 7.34	0.98	-0.65	-2.56 to 3.854	0.087	Small
SD1	6.29 \pm 6.38	6.41 \pm 6.33	1.00	0.12	-0.56 to 0.317	0.019	Small
SD2	56.39 \pm 22.95	56.38 \pm 22.95	1.00	-0.01	-0.13 to 0.151	0.000	Small
Sample Entropy	0.45 \pm 0.25	0.47 \pm 0.24	0.98	0.03	-0.13 to 0.070	0.113	Small

LINEAR							
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
					Effect Size	Interpretation	
Mean RR (ms)	513.9 \pm 85.5	513.9 \pm 85.5	1.00	-0.03	-0.09 to 0.157	0.000	Small
SDNN (ms)	40.27 \pm 16.64	40.30 \pm 16.64	1.00	0.03	-0.13 to 0.075	0.002	Small
RMSSD (ms)	8.88 \pm 9.00	9.11 \pm 8.90	1.00	0.23	-0.80 to 0.340	0.026	Small
PNND50 (%)	0.46 \pm 1.66	0.46 \pm 1.66	-	0.00	-	0.000	Small
VLF Power (ms $^{-2}$)	773.63 \pm 838.21	773.98 \pm 838.92	1.00	0.35	-2.59 to 1.892	0.000	Small
LF Power (ms $^{-2}$)	245.02 \pm 763.17	245.91 \pm 766.44	1.00	0.89	-7.33 to 5.548	0.001	Small
HF Power (ms $^{-2}$)	92.37 \pm 284.17	91.99 \pm 281.87	1.00	-0.38	-4.34 to 5.109	0.001	Small
nuLF Power	79.02 \pm 12.69	78.44 \pm 12.19	0.99	-0.59	-3.05 to 4.219	0.047	Small
nuHF Power	20.91 \pm 12.68	21.48 \pm 12.18	0.99	0.57	-4.15 to 3.004	0.046	Small
LF:HF Ratio	6.90 \pm 7.63	6.37 \pm 7.31	0.98	-0.54	-2.53 to 3.603	0.072	Small
SD1	6.29 \pm 6.38	6.46 \pm 6.31	1.00	0.16	-0.57 to 0.241	0.026	Small
SD2	56.39 \pm 22.95	56.41 \pm 22.96	1.00	0.02	-0.11 to 0.070	0.001	Small
Sample Entropy	0.45 \pm 0.25	0.48 \pm 0.24	0.98	0.04	-0.13 to 0.060	0.144	Small

SPLINE	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	513.9 ± 85.5	513.9 ± 85.5	1.00	-0.04	-0.09 to 0.157	0.000	Small
SDNN (ms)	40.27 ± 16.64	40.30 ± 16.64	1.00	0.03	-0.13 to 0.076	0.002	Small
RMSSD (ms)	8.88 ± 9.00	9.09 ± 8.91	1.00	0.22	-0.80 to 0.367	0.024	Small
PN50 (%)	0.46 ± 1.66	0.46 ± 1.66	-	0.00	-	0.000	Small
VLF Power (ms ⁻²)	773.63 ± 838.21	773.98 ± 1732.79	1.00	0.35	-2.62 to 1.921	0.000	Small
LF Power (ms ⁻²)	245.02 ± 763.17	245.97 ± 766.42	1.00	0.95	-7.37 to 5.471	0.001	Small
HF Power (ms ⁻²)	92.37 ± 284.17	92.07 ± 281.86	1.00	-0.31	-4.43 to 5.037	0.001	Small
nuLF Power	79.02 ± 12.69	78.35 ± 12.22	0.99	-0.67	-2.77 to 4.117	0.054	Small
nuHF Power	20.91 ± 12.68	21.57 ± 12.21	0.99	0.66	-4.05 to 2.724	0.053	Small
LF:HF Ratio	6.90 ± 7.63	6.35 ± 7.31	0.98	-0.55	-2.49 to 3.599	0.074	Small
SD1	6.29 ± 6.38	6.45 ± 6.32	1.00	0.15	-0.56 to 0.260	0.024	Small
SD2	56.39 ± 22.95	56.42 ± 22.96	1.00	0.02	-0.12 to 0.069	0.001	Small
Sample Entropy	0.45 ± 0.25	0.48 ± 0.24	0.98	0.04	-0.13 to 0.062	0.144	Small

CUBIC	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	513.9 ± 85.5	513.9 ± 85.5	1.00	-0.04	-0.09 to 0.157	0.000	Small
SDNN (ms)	40.27 ± 16.64	40.30 ± 16.64	1.00	0.03	-0.13 to 0.076	0.002	Small
RMSSD (ms)	8.88 ± 9.00	9.09 ± 8.91	1.00	0.21	-0.80 to 0.369	0.024	Small
PN50 (%)	0.46 ± 1.66	0.46 ± 1.66	-	0.00	-	0.000	Small
VLF Power (ms ⁻²)	773.63 ± 838.21	773.98 ± 838.90	1.00	0.34	-2.63 to 1.941	0.000	Small
LF Power (ms ⁻²)	245.02 ± 763.17	245.96 ± 766.42	1.00	0.95	-7.37 to 5.479	0.001	Small
HF Power (ms ⁻²)	92.37 ± 284.17	92.04 ± 281.86	1.00	-0.33	-4.39 to 5.062	0.001	Small
nuLF Power	79.02 ± 12.69	78.37 ± 12.21	0.99	-0.65	-2.87 to 4.167	0.052	Small
nuHF Power	20.91 ± 12.68	21.54 ± 12.20	0.99	0.64	-4.10 to 2.825	0.051	Small
LF:HF Ratio	6.90 ± 7.63	6.35 ± 7.31	0.98	-0.55	-2.51 to 3.605	0.074	Small
SD1	6.29 ± 6.38	6.45 ± 6.32	1.00	0.15	-0.56 to 0.261	0.024	Small
SD2	56.39 ± 22.95	56.41 ± 22.96	1.00	0.02	-0.11 to 0.069	0.001	Small
Sample Entropy	0.45 ± 0.25	0.48 ± 0.24	0.98	0.03	-0.13 to 0.060	0.142	Small

KUBIOS	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	513.9 ± 85.5	508.7 ± 90.8	0.97	-5.20	-39.41 to 49.816	0.059	Small
SDNN (ms)	40.27 ± 16.64	39.00 ± 16.98	0.94	-1.28	-10.21 to 12.759	0.076	Small
RMSSD (ms)	8.88 ± 9.00	8.98 ± 8.96	1.00	0.10	-1.18 to 0.975	0.012	Small
PN50 (%)	0.46 ± 1.66	0.46 ± 1.66	1.00	0.00	-0.01 to 0.009	0.001	Small
VLF Power (ms ⁻²)	773.63 ± 838.21	732.33 ± 850.81	0.98	-41.30	-301.91 to 384.511	0.049	Small
LF Power (ms ⁻²)	245.02 ± 763.17	244.63 ± 766.87	1.00	-0.39	-15.78 to 16.564	0.001	Small
HF Power (ms ⁻²)	92.37 ± 284.17	92.15 ± 281.78	1.00	-0.22	-5.29 to 5.733	0.001	Small
nuLF Power	79.02 ± 12.69	75.42 ± 15.39	0.67	-3.60	-19.32 to 26.522	0.255	Moderate
nuHF Power	20.91 ± 12.68	24.44 ± 15.25	0.68	3.53	-26.00 to 18.937	0.252	Moderate
LF:HF Ratio	6.90 ± 7.63	6.01 ± 7.46	0.96	-0.90	-3.07 to 4.872	0.119	Small
SD1	6.29 ± 6.38	6.37 ± 6.35	1.00	0.07	-0.84 to 0.694	0.012	Small
SD2	56.39 ± 22.95	54.58 ± 23.43	0.94	-1.81	-14.34 to 17.958	0.078	Small
Sample Entropy	0.45 ± 0.25	0.49 ± 0.23	0.96	0.05	-0.19 to 0.097	0.200	Small

60% - 80%: Heart rate variability parameters obtained from the ECG and Polar V800 HRM (mean \pm SD), % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC) and 95 % confidence intervals and effect sizes.

UNCORRECTED						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	406.4 \pm 48.7	419.3 \pm 48.2	0.94	12.92	-46.28 to 20.44	0.267 Moderate
SDNN (ms)	27.38 \pm 13.09	69.04 \pm 36.75	0.20	41.66	-113.12 to 29.79	1.510 Great
RMSSD (ms)	3.19 \pm 1.07	81.89 \pm 53.34	0.04	78.70	-183.17 to 25.78	2.086 Great
PN50 (%)	0.00 \pm 0.00	5.35 \pm 6.04	0.00	5.35	-17.19 to 6.49	1.252 Great
VLF Power (ms ²)	279.74 \pm 222.90	880.33 \pm 859.84	0.30	600.59	-2208.86 to 1007.68	0.956 Great
LF Power (ms ²)	3.71 \pm 3.14	1248.88 \pm 1392.27	-0.21	1245.17	-3975.32 to 1484.98	1.265 Great
HF Power (ms ²)	1.83 \pm 2.61	2777.50 \pm 3226.70	0.01	2775.67	-9099.94 to 3548.60	1.217 Great
nuLF Power	70.95 \pm 23.51	40.46 \pm 19.97	0.36	-30.48	-17.90 to 78.86	1.397 Great
nuHF Power	28.48 \pm 22.98	59.09 \pm 19.84	0.36	30.62	-78.41 to 17.18	1.426 Great
LF:HF Ratio	5.64 \pm 5.45	1.47 \pm 2.65	0.47	-4.17	-5.28 to 13.63	0.974 Great
SD1	2.26 \pm 0.76	57.98 \pm 37.76	0.04	55.72	-129.68 to 18.25	2.086 Great
SD2	38.54 \pm 18.46	76.94 \pm 38.51	0.31	38.40	-111.49 to 34.68	1.272 Great
Sample Entropy	0.34 \pm 0.22	0.24 \pm 0.31	0.61	-0.10	-0.38 to 0.58	0.370 Moderate
DELETION						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	406.4 \pm 48.7	406.5 \pm 48.5	1.00	0.08	-2.42 to 2.25	0.002 Small
SDNN (ms)	27.38 \pm 13.09	27.37 \pm 13.04	1.00	-0.01	-1.59 to 1.60	0.001 Small
RMSSD (ms)	3.19 \pm 1.07	3.75 \pm 1.06	0.95	0.56	-1.25 to 0.13	0.527 Mod - Great
PN50 (%)	0.00 \pm 0.00	0.00 \pm 0.00	-	0.00	-	0.000 Small
VLF Power (ms ²)	279.74 \pm 222.90	276.96 \pm 219.54	0.98	-2.77	-75.62 to 81.17	0.013 Small
LF Power (ms ²)	3.71 \pm 3.14	4.15 \pm 3.49	0.94	0.44	-2.71 to 1.83	0.132 Small
HF Power (ms ²)	1.83 \pm 2.61	2.25 \pm 3.10	0.98	0.42	-1.89 to 1.05	0.146 Small
nuLF Power	70.95 \pm 23.51	67.11 \pm 21.59	0.93	-3.84	-13.06 to 20.74	0.170 Small
nuHF Power	28.48 \pm 22.98	32.60 \pm 21.57	0.93	4.12	-20.42 to 12.18	0.185 Small
LF:HF Ratio	5.64 \pm 5.45	3.71 \pm 3.07	0.67	-1.93	-6.10 to 9.97	0.437 Moderate
SD1	2.26 \pm 0.76	2.66 \pm 0.75	0.95	0.40	-0.89 to 0.09	0.525 Mod - Great
SD2	38.54 \pm 18.46	38.48 \pm 18.43	1.00	-0.05	-2.20 to 2.31	0.003 Small
Sample Entropy	0.34 \pm 0.22	0.45 \pm 0.34	0.92	0.11	-0.42 to 0.20	0.376 Moderate
MEAN						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	406.4 \pm 48.7	406.4 \pm 48.7	1.00	-0.02	-0.11 to 0.150	0.000 Small
SDNN (ms)	27.38 \pm 13.09	27.42 \pm 13.03	1.00	0.05	-0.19 to 0.097	0.004 Small
RMSSD (ms)	3.19 \pm 1.07	3.59 \pm 1.02	0.95	0.40	-1.02 to 0.228	0.380 Moderate
PN50 (%)	0.00 \pm 0.00	0.00 \pm 0.00	-	0.00	-	0.000 Small
VLF Power (ms ²)	279.74 \pm 222.90	279.62 \pm 222.79	1.00	-0.12	-3.39 to 3.624	0.001 Small
LF Power (ms ²)	3.71 \pm 3.14	3.88 \pm 3.15	0.99	0.17	-1.01 to 0.681	0.053 Small
HF Power (ms ²)	1.83 \pm 2.61	2.20 \pm 2.97	0.99	0.37	-1.40 to 0.665	0.132 Small
nuLF Power	70.95 \pm 23.51	66.49 \pm 22.05	0.95	-4.45	-9.78 to 18.684	0.195 Small
nuHF Power	28.48 \pm 22.98	32.87 \pm 21.61	0.95	4.39	-18.13 to 9.341	0.197 Small
LF:HF Ratio	5.64 \pm 5.45	3.60 \pm 2.85	0.71	-2.05	-5.70 to 9.795	0.471 Moderate
SD1	2.26 \pm 0.76	2.55 \pm 0.73	0.96	0.28	-0.72 to 0.162	0.377 Moderate
SD2	38.54 \pm 18.46	38.58 \pm 18.41	1.00	0.04	-0.19 to 0.110	0.002 Small
Sample Entropy	0.34 \pm 0.22	0.41 \pm 0.31	0.94	0.07	-0.33 to 0.181	0.266 Moderate
LINEAR						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	406.4 \pm 48.7	406.4 \pm 48.7	1.00	-0.03	-0.05 to 0.101	0.001 Small
SDNN (ms)	27.38 \pm 13.09	27.43 \pm 13.04	1.00	0.05	-0.17 to 0.071	0.004 Small
RMSSD (ms)	3.19 \pm 1.07	3.65 \pm 1.03	0.95	0.46	-1.09 to 0.174	0.436 Moderate
PN50 (%)	0.00 \pm 0.00	0.00 \pm 0.00	-	0.00	-	0.000 Small
VLF Power (ms ²)	279.74 \pm 222.90	279.68 \pm 222.79	1.00	-0.05	-0.84 to 0.947	0.000 Small
LF Power (ms ²)	3.71 \pm 3.14	3.73 \pm 3.17	1.00	0.02	-0.15 to 0.111	0.006 Small
HF Power (ms ²)	1.83 \pm 2.61	2.09 \pm 2.98	0.99	0.27	-1.19 to 0.657	0.095 Small
nuLF Power	70.95 \pm 23.51	67.82 \pm 23.73	0.98	-3.12	-5.72 to 11.969	0.132 Small
nuHF Power	28.48 \pm 22.98	31.47 \pm 23.17	0.98	2.99	-11.68 to 5.689	0.130 Small
LF:HF Ratio	5.64 \pm 5.45	4.37 \pm 3.61	0.93	-1.28	-3.56 to 6.121	0.276 Moderate
SD1	2.26 \pm 0.76	2.59 \pm 0.73	0.95	0.32	-0.77 to 0.124	0.434 Moderate
SD2	38.54 \pm 18.46	38.58 \pm 18.43	1.00	0.04	-0.13 to 0.059	0.002 Small
Sample Entropy	0.34 \pm 0.22	0.43 \pm 0.32	0.95	0.09	-0.34 to 0.159	0.331 Moderate

SPLINE	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	406.4 ± 48.7	406.4 ± 48.7	1.00	-0.03	-0.05 to 0.101	0.001	Small
SDNN (ms)	27.38 ± 13.09	27.43 ± 13.04	1.00	0.05	-0.17 to 0.070	0.004	Small
RMSSD (ms)	3.19 ± 1.07	3.64 ± 1.03	0.95	0.45	-1.08 to 0.184	0.427	Moderate
PNN50 (%)	0.00 ± 0.00	0.00 ± 0.00	-	0.00	-	0.000	Small
VLF Power (ms ²)	279.74 ± 222.90	279.69 ± 859.84	1.00	-0.05	-0.85 to 0.952	0.000	Small
LF Power (ms ²)	3.71 ± 3.14	3.74 ± 3.17	1.00	0.03	-0.15 to 0.101	0.008	Small
HF Power (ms ²)	1.83 ± 2.61	2.13 ± 3.03	0.99	0.30	-1.30 to 0.702	0.106	Small
nuLF Power	70.95 ± 23.51	67.57 ± 23.70	0.98	-3.38	-5.21 to 11.961	0.143	Small
nuHF Power	28.48 ± 22.98	31.71 ± 23.11	0.98	3.23	-11.65 to 5.184	0.140	Small
LF:HF Ratio	5.64 ± 5.45	4.24 ± 3.47	0.93	-1.40	-3.68 to 6.486	0.307	Moderate
SD1	2.26 ± 0.76	2.58 ± 0.73	0.95	0.32	-0.76 to 0.131	0.425	Moderate
SD2	38.54 ± 18.46	38.58 ± 18.43	1.00	0.04	-0.14 to 0.058	0.002	Small
Sample Entropy	0.34 ± 0.22	0.43 ± 0.32	0.95	0.09	-0.34 to 0.155	0.340	Moderate

CUBIC	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	406.4 ± 48.7	406.4 ± 48.7	1.00	-0.03	-0.05 to 0.101	0.001	Small
SDNN (ms)	27.38 ± 13.09	27.43 ± 13.04	1.00	0.05	-0.17 to 0.071	0.004	Small
RMSSD (ms)	3.19 ± 1.07	3.63 ± 1.03	0.95	0.44	-1.08 to 0.189	0.423	Moderate
PNN50 (%)	0.00 ± 0.00	0.00 ± 0.00	-	0.00	-	0.000	Small
VLF Power (ms ²)	279.74 ± 222.90	279.69 ± 222.79	1.00	-0.05	-0.85 to 0.949	0.000	Small
LF Power (ms ²)	3.71 ± 3.14	3.73 ± 3.17	1.00	0.02	-0.15 to 0.103	0.007	Small
HF Power (ms ²)	1.83 ± 2.61	2.11 ± 3.01	0.99	0.29	-1.26 to 0.686	0.102	Small
nuLF Power	70.95 ± 23.51	67.65 ± 23.71	0.98	-3.30	-5.36 to 11.946	0.140	Small
nuHF Power	28.48 ± 22.98	31.64 ± 23.13	0.98	3.16	-11.64 to 5.331	0.137	Small
LF:HF Ratio	5.64 ± 5.45	4.29 ± 3.54	0.93	-1.35	-3.55 to 6.252	0.294	Moderate
SD1	2.26 ± 0.76	2.58 ± 0.73	0.95	0.31	-0.76 to 0.134	0.421	Moderate
SD2	38.54 ± 18.46	38.58 ± 18.43	1.00	0.04	-0.14 to 0.058	0.002	Small
Sample Entropy	0.34 ± 0.22	0.43 ± 0.32	0.95	0.09	-0.34 to 0.157	0.331	Moderate

KUBIOS	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	406.4 ± 48.7	408.3 ± 48.2	0.99	1.85	-17.56 to 13.848	0.038	Small
SDNN (ms)	27.38 ± 13.09	29.48 ± 15.30	0.81	2.10	-19.89 to 15.679	0.148	Small
RMSSD (ms)	3.19 ± 1.07	3.89 ± 1.11	0.82	0.70	-1.99 to 0.582	0.645	Mod - Great
PNN50 (%)	0.00 ± 0.00	0.01 ± 0.06	0.00	0.01	-0.13 to 0.104	0.333	Moderate
VLF Power (ms ²)	279.74 ± 222.90	334.16 ± 303.75	0.62	54.42	-524.34 to 415.492	0.204	Moderate
LF Power (ms ²)	3.71 ± 3.14	4.80 ± 3.84	0.66	1.09	-6.90 to 4.731	0.309	Moderate
HF Power (ms ²)	1.83 ± 2.61	2.49 ± 3.19	0.98	0.66	-2.36 to 1.042	0.227	Moderate
nuLF Power	70.95 ± 23.51	67.61 ± 20.62	0.91	-3.34	-16.11 to 22.786	0.151	Small
nuHF Power	28.48 ± 22.98	31.77 ± 20.16	0.91	3.29	-22.40 to 15.830	0.152	Small
LF:HF Ratio	5.64 ± 5.45	3.57 ± 2.79	0.56	-2.08	-6.82 to 10.969	0.479	Moderate
SD1	2.26 ± 0.76	2.76 ± 0.79	0.82	0.50	-1.41 to 0.411	0.643	Mod - Great
SD2	38.54 ± 18.46	41.49 ± 21.61	0.81	2.95	-28.09 to 22.199	0.147	Small
Sample Entropy	0.34 ± 0.22	0.41 ± 0.33	0.93	0.07	-0.35 to 0.206	0.261	Moderate

80% - 100%: Heart rate variability parameters obtained from the ECG and Polar V800 HRM (mean \pm SD), % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC) and 95 % confidence intervals and effect sizes.

UNCORRECTED						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	352.3 \pm 43.9	372.4 \pm 49.6	0.93	20.11	-56.80 to 16.57	0.429 Moderate
SDNN (ms)	20.51 \pm 19.90	80.73 \pm 48.98	0.41	60.22	-147.70 to 27.25	1.611 Great
RMSSD (ms)	3.38 \pm 1.13	99.91 \pm 64.15	0.07	96.53	-222.13 to 29.07	2.128 Great
PPNN50 (%)	0.00 \pm 0.00	8.33 \pm 7.36	0.00	8.33	-22.75 to 6.09	1.601 Great
VLF Power (ms ²)	198.99 \pm 433.01	1513.61 \pm 2445.72	0.48	1314.62	-5761.43 to 3132.20	0.749 Great
LF Power (ms ²)	3.05 \pm 9.28	2929.14 \pm 5322.55	0.09	2926.09	-13356.64 to 7504.46	0.777 Great
HF Power (ms ²)	0.92 \pm 2.00	4505.01 \pm 7837.54	0.07	4504.09	-19865.40 to #####	0.813 Great
nuLF Power	54.00 \pm 20.51	38.73 \pm 11.23	0.39	-15.28	-22.30 to 52.85	0.924 Great
nuHF Power	45.63 \pm 20.41	60.88 \pm 11.12	0.38	15.25	-52.79 to 22.29	0.928 Great
LF:HF Ratio	1.77 \pm 1.51	0.74 \pm 0.63	0.49	-1.03	-1.55 to 3.62	0.895 Great
SD1	2.39 \pm 0.80	70.72 \pm 45.41	0.07	68.32	-157.24 to 20.59	2.127 Great
SD2	28.80 \pm 28.14	88.85 \pm 53.59	0.48	60.05	-152.62 to 32.53	1.403 Great
Sample Entropy	0.62 \pm 0.38	0.25 \pm 0.20	0.35	-0.36	-0.34 to 1.07	1.206 Great
DELETION						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	352.3 \pm 43.9	352.4 \pm 44.2	1.00	0.04	-1.79 to 1.70	0.001 Small
SDNN (ms)	20.51 \pm 19.90	20.56 \pm 19.73	1.00	0.06	-0.73 to 0.62	0.003 Small
RMSSD (ms)	3.38 \pm 1.13	3.96 \pm 1.10	0.86	0.58	-1.74 to 0.59	0.518 Moderate
PPNN50 (%)	0.00 \pm 0.00	0.00 \pm 0.00	-	0.00	-	0.000 Small
VLF Power (ms ²)	198.99 \pm 433.01	200.13 \pm 428.35	1.00	1.13	-47.49 to 45.22	0.003 Small
LF Power (ms ²)	3.05 \pm 9.28	3.17 \pm 9.50	1.00	0.12	-0.64 to 0.40	0.013 Small
HF Power (ms ²)	0.92 \pm 2.00	1.13 \pm 2.38	0.99	0.21	-1.19 to 0.77	0.097 Small
nuLF Power	54.00 \pm 20.51	51.43 \pm 18.35	0.88	-2.58	-16.51 to 21.66	0.132 Small
nuHF Power	45.63 \pm 20.41	48.12 \pm 18.22	0.88	2.49	-21.21 to 16.23	0.129 Small
LF:HF Ratio	1.77 \pm 1.51	1.43 \pm 1.06	0.86	-0.34	-1.24 to 1.93	0.264 Moderate
SD1	2.39 \pm 0.80	2.80 \pm 0.78	0.86	0.41	-1.23 to 0.41	0.516 Moderate
SD2	28.80 \pm 28.14	28.81 \pm 27.93	1.00	0.01	-0.98 to 0.96	0.000 Small
Sample Entropy	0.62 \pm 0.38	0.74 \pm 0.46	0.93	0.13	-0.47 to 0.22	0.301 Moderate
MEAN						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	352.3 \pm 43.9	352.3 \pm 43.9	1.00	-0.02	-0.11 to 0.152	0.000 Small
SDNN (ms)	20.51 \pm 19.90	20.59 \pm 19.86	1.00	0.08	-0.28 to 0.124	0.004 Small
RMSSD (ms)	3.38 \pm 1.13	3.72 \pm 1.12	0.84	0.34	-1.58 to 0.897	0.303 Moderate
PPNN50 (%)	0.00 \pm 0.00	0.00 \pm 0.00	-	0.00	-	0.000 Small
VLF Power (ms ²)	198.99 \pm 433.01	198.86 \pm 433.16	1.00	-0.13	-1.82 to 2.083	0.000 Small
LF Power (ms ²)	3.05 \pm 9.28	3.14 \pm 9.26	1.00	0.10	-0.50 to 0.307	0.011 Small
HF Power (ms ²)	0.92 \pm 2.00	1.13 \pm 2.23	1.00	0.21	-0.78 to 0.359	0.099 Small
nuLF Power	54.00 \pm 20.51	49.31 \pm 17.37	0.89	-4.70	-13.72 to 23.111	0.247 Moderate
nuHF Power	45.63 \pm 20.41	50.35 \pm 17.25	0.89	4.72	-23.01 to 13.571	0.250 Moderate
LF:HF Ratio	1.77 \pm 1.51	1.31 \pm 1.09	0.88	-0.47	-0.99 to 1.923	0.355 Moderate
SD1	2.39 \pm 0.80	2.63 \pm 0.80	0.84	0.24	-1.12 to 0.634	0.301 Moderate
SD2	28.80 \pm 28.14	28.88 \pm 28.10	1.00	0.07	-0.29 to 0.144	0.003 Small
Sample Entropy	0.62 \pm 0.38	0.67 \pm 0.45	0.93	0.06	-0.39 to 0.277	0.134 Small
LINEAR						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	352.3 \pm 43.9	352.3 \pm 43.9	1.00	-0.04	0.00 to 0.074	0.001 Small
SDNN (ms)	20.51 \pm 19.90	20.57 \pm 19.87	1.00	0.06	-0.25 to 0.131	0.003 Small
RMSSD (ms)	3.38 \pm 1.13	3.81 \pm 1.12	0.84	0.43	-1.69 to 0.822	0.384 Moderate
PPNN50 (%)	0.00 \pm 0.00	0.00 \pm 0.00	-	0.00	-	0.000 Small
VLF Power (ms ²)	198.99 \pm 433.01	199.05 \pm 433.26	1.00	0.05	-0.82 to 0.707	0.000 Small
LF Power (ms ²)	3.05 \pm 9.28	3.01 \pm 9.23	1.00	-0.04	-0.14 to 0.217	0.004 Small
HF Power (ms ²)	0.92 \pm 2.00	1.00 \pm 2.25	1.00	0.09	-0.58 to 0.410	0.040 Small
nuLF Power	54.00 \pm 20.51	51.29 \pm 19.79	0.98	-2.71	-5.89 to 11.306	0.134 Small
nuHF Power	45.63 \pm 20.41	48.31 \pm 19.71	0.98	2.68	-11.01 to 5.658	0.134 Small
LF:HF Ratio	1.77 \pm 1.51	1.51 \pm 1.25	0.97	-0.26	-0.57 to 1.088	0.188 Small
SD1	2.39 \pm 0.80	2.70 \pm 0.79	0.84	0.31	-1.19 to 0.582	0.382 Moderate
SD2	28.80 \pm 28.14	28.84 \pm 28.12	1.00	0.04	-0.16 to 0.087	0.001 Small
Sample Entropy	0.62 \pm 0.38	0.71 \pm 0.45	0.94	0.09	-0.40 to 0.217	0.225 Moderate

SPLINE	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	352.3 ± 43.9	351.7 ± 44.3	1.00	-0.66	-4.50 to 5.812	0.015	Small
SDNN (ms)	20.51 ± 19.90	20.35 ± 19.95	1.00	-0.15	-1.67 to 1.976	0.008	Small
RMSSD (ms)	3.38 ± 1.13	3.87 ± 1.09	0.79	0.49	-1.91 to 0.925	0.446	Moderate
PN50 (%)	0.00 ± 0.00	0.00 ± 0.00	-	0.00	-	0.000	Small
VLF Power (ms ²)	198.99 ± 433.01	197.99 ± 2445.72	1.00	-1.01	-7.91 to 9.926	0.001	Small
LF Power (ms ²)	3.05 ± 9.28	3.03 ± 9.23	1.00	-0.02	-0.18 to 0.215	0.002	Small
HF Power (ms ²)	0.92 ± 2.00	1.03 ± 2.26	1.00	0.11	-0.62 to 0.404	0.051	Small
nuLF Power	54.00 ± 20.51	51.87 ± 18.58	0.96	-2.13	-8.68 to 12.952	0.109	Small
nuHF Power	45.63 ± 20.41	47.68 ± 18.48	0.97	2.05	-12.77 to 8.668	0.105	Small
LF:HF Ratio	1.77 ± 1.51	1.49 ± 1.17	0.97	-0.29	-0.60 to 1.176	0.212	Moderate
SD1	2.39 ± 0.80	2.74 ± 0.77	0.79	0.35	-1.35 to 0.654	0.442	Moderate
SD2	28.80 ± 28.14	28.53 ± 28.24	1.00	-0.27	-2.35 to 2.900	0.010	Small
Sample Entropy	0.62 ± 0.38	0.74 ± 0.45	0.91	0.13	-0.49 to 0.241	0.304	Moderate

CUBIC	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	352.3 ± 43.9	352.3 ± 43.9	1.00	-0.04	-0.05 to 0.136	0.001	Small
SDNN (ms)	20.51 ± 19.90	20.59 ± 19.86	0.76	0.08	-0.36 to 0.196	0.004	Small
RMSSD (ms)	3.38 ± 1.13	3.88 ± 1.20	0.00	0.50	-2.10 to 1.093	0.431	Moderate
PN50 (%)	0.00 ± 0.00	0.01 ± 0.04	-	0.01	-	0.333	Moderate
VLF Power (ms ²)	198.99 ± 433.01	199.03 ± 433.27	1.00	0.04	-0.08 to 0.061	0.000	Small
LF Power (ms ²)	3.05 ± 9.28	3.01 ± 9.23	1.00	-0.03	-0.83 to 0.759	0.004	Small
HF Power (ms ²)	0.92 ± 2.00	1.01 ± 2.25	1.00	0.09	-0.11 to 0.178	0.045	Small
nuLF Power	54.00 ± 20.51	51.06 ± 19.69	0.98	-2.94	-0.59 to 0.405	0.146	Small
nuHF Power	45.63 ± 20.41	48.53 ± 19.62	0.98	2.89	-5.02 to 10.903	0.145	Small
LF:HF Ratio	1.77 ± 1.51	1.49 ± 1.22	0.97	-0.29	-10.60 to 4.809	0.208	Moderate
SD1	2.39 ± 0.80	2.75 ± 0.86	0.76	0.36	-0.54 to 1.108	0.428	Moderate
SD2	28.80 ± 28.14	28.85 ± 28.12	1.00	0.04	-1.48 to 0.773	0.002	Small
Sample Entropy	0.62 ± 0.38	0.71 ± 0.45	0.94	0.10	-0.17 to 0.086	0.234	Moderate

KUBIOS	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	352.3 ± 43.9	352.4 ± 44.1	1.00	0.09	-1.19 to 1.020	0.002	Small
SDNN (ms)	20.51 ± 19.90	20.73 ± 19.64	1.00	0.22	-1.57 to 1.123	0.011	Small
RMSSD (ms)	3.38 ± 1.13	4.08 ± 1.23	0.76	0.70	-2.30 to 0.895	0.595	Mod - Great
PN50 (%)	0.00 ± 0.00	0.03 ± 0.10	0.00	0.03	-0.22 to 0.158	0.482	Moderate
VLF Power (ms ²)	198.99 ± 433.01	198.01 ± 431.96	1.00	-0.98	-6.13 to 8.089	0.002	Small
LF Power (ms ²)	3.05 ± 9.28	3.60 ± 9.26	0.99	0.56	-3.04 to 1.932	0.060	Small
HF Power (ms ²)	0.92 ± 2.00	2.21 ± 3.88	0.51	1.30	-7.81 to 5.222	0.420	Moderate
nuLF Power	54.00 ± 20.51	46.28 ± 16.03	0.84	-7.73	-14.17 to 29.621	0.420	Moderate
nuHF Power	45.63 ± 20.41	53.41 ± 15.95	0.84	7.78	-29.71 to 14.145	0.425	Moderate
LF:HF Ratio	1.77 ± 1.51	1.11 ± 0.93	0.78	-0.66	-1.25 to 2.576	0.528	Mod - Great
SD1	2.39 ± 0.80	2.89 ± 0.87	0.77	0.50	-1.62 to 0.632	0.591	Mod - Great
SD2	28.80 ± 28.14	29.06 ± 27.81	1.00	0.25	-2.14 to 1.631	0.009	Small
Sample Entropy	0.62 ± 0.38	0.72 ± 0.44	0.90	0.11	-0.49 to 0.276	0.258	Moderate

Recovery: Heart rate variability parameters obtained from the ECG and Polar V800 HRM (mean \pm SD), % bias and limits of agreement (LoA), intra-class correlation coefficients (ICC) and 95 % confidence intervals and effect sizes.

UNCORRECTED						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	401.7 \pm 56.8	416.9 \pm 58.0	0.97	15.26	-40.82 to 10.29	0.266 Moderate
SDNN (ms)	53.99 \pm 35.98	98.95 \pm 45.23	0.73	44.95	-106.02 to 16.12	1.100 Great
RMSSD (ms)	5.63 \pm 7.23	104.59 \pm 60.90	-0.30	98.96	-223.36 to 25.44	2.282 Great
PN50 (%)	0.49 \pm 1.88	6.64 \pm 5.31	0.03	6.16	-17.09 to 4.78	1.545 Great
VLF Power (ms ²)	1527.04 \pm 3266.96	2887.53 \pm 3315.79	0.92	1360.49	-3985.93 to 1264.95	0.413 Moderate
LF Power (ms ²)	183.02 \pm 674.93	3074.83 \pm 3545.43	-0.02	2891.81	-9994.87 to 4211.26	1.133 Great
HF Power (ms ²)	53.34 \pm 200.51	4509.51 \pm 4177.61	-0.25	4456.17	-12749.59 to 3837.24	1.507 Great
nuLF Power	80.47 \pm 11.42	44.67 \pm 19.80	0.03	-35.80	-8.42 to 80.02	2.215 Great
nuHF Power	19.44 \pm 11.35	54.96 \pm 19.64	0.03	35.52	-79.39 to 8.36	2.214 Great
LF:HF Ratio	5.86 \pm 3.91	1.66 \pm 3.03	0.60	-4.20	-2.06 to 10.46	1.201 Great
SD1	4.00 \pm 5.12	74.05 \pm 43.11	-0.30	70.05	-158.11 to 18.01	2.282 Great
SD2	76.11 \pm 50.62	115.02 \pm 56.26	0.87	38.91	-93.55 to 15.73	0.727 Great
Sample Entropy	0.18 \pm 0.17	0.19 \pm 0.17	0.93	0.01	-0.14 to 0.12	0.041 Small
DELETION						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	401.7 \pm 56.8	402.0 \pm 56.5	1.00	0.28	-4.63 to 4.07	0.005 Small
SDNN (ms)	53.99 \pm 35.98	54.03 \pm 35.99	1.00	0.04	-2.01 to 1.93	0.001 Small
RMSSD (ms)	5.63 \pm 7.23	6.11 \pm 7.07	1.00	0.48	-1.79 to 0.82	0.067 Small
PN50 (%)	0.49 \pm 1.88	0.49 \pm 1.88	-	0.00	-	0.000 Small
VLF Power (ms ²)	1527.04 \pm 3266.96	1549.80 \pm 3267.83	1.00	22.75	-176.35 to 130.85	0.007 Small
LF Power (ms ²)	183.02 \pm 674.93	185.25 \pm 674.54	1.00	2.23	-15.75 to 11.29	0.003 Small
HF Power (ms ²)	53.34 \pm 200.51	53.73 \pm 199.83	1.00	0.39	-2.60 to 1.81	0.002 Small
nuLF Power	80.47 \pm 11.42	77.85 \pm 9.49	0.77	-2.62	-11.68 to 16.93	0.250 Moderate
nuHF Power	19.44 \pm 11.35	21.97 \pm 9.30	0.78	2.53	-16.39 to 11.33	0.244 Moderate
LF:HF Ratio	5.86 \pm 3.91	4.61 \pm 3.10	0.93	-1.25	-1.74 to 4.24	0.355 Moderate
SD1	4.00 \pm 5.12	4.34 \pm 5.01	1.00	0.34	-1.26 to 0.58	0.068 Small
SD2	76.11 \pm 50.62	76.14 \pm 50.65	1.00	0.04	-2.83 to 2.76	0.001 Small
Sample Entropy	0.18 \pm 0.17	0.22 \pm 0.18	0.90	0.04	-0.19 to 0.11	0.220 Moderate
MEAN						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	401.7 \pm 56.8	401.6 \pm 56.8	1.00	-0.03	-0.20 to 0.262	0.001 Small
SDNN (ms)	53.99 \pm 35.98	54.05 \pm 35.96	1.00	0.05	-0.31 to 0.207	0.001 Small
RMSSD (ms)	5.63 \pm 7.23	5.89 \pm 7.11	1.00	0.26	-1.53 to 1.002	0.037 Small
PN50 (%)	0.49 \pm 1.88	0.49 \pm 1.88	-	0.00	-	0.000 Small
VLF Power (ms ²)	1527.04 \pm 3266.96	1527.93 \pm 3265.21	1.00	0.88	-8.06 to 6.293	0.000 Small
LF Power (ms ²)	183.02 \pm 674.93	183.05 \pm 675.00	1.00	0.03	-0.65 to 0.597	0.000 Small
HF Power (ms ²)	53.34 \pm 200.51	53.43 \pm 199.91	1.00	0.09	-1.63 to 1.441	0.000 Small
nuLF Power	80.47 \pm 11.42	77.05 \pm 10.46	0.76	-3.42	-11.70 to 18.528	0.312 Moderate
nuHF Power	19.44 \pm 11.35	22.79 \pm 10.29	0.76	3.35	-18.07 to 11.363	0.309 Moderate
LF:HF Ratio	5.86 \pm 3.91	4.51 \pm 3.02	0.92	-1.35	-1.86 to 4.556	0.386 Moderate
SD1	4.00 \pm 5.12	4.19 \pm 5.04	1.00	0.19	-1.08 to 0.708	0.037 Small
SD2	76.11 \pm 50.62	76.18 \pm 50.60	1.00	0.07	-0.42 to 0.279	0.001 Small
Sample Entropy	0.18 \pm 0.17	0.21 \pm 0.18	0.90	0.03	-0.18 to 0.126	0.166 Small
LINEAR						
	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias Effect Size Interpretation
Mean RR (ms)	401.7 \pm 56.8	401.7 \pm 56.8	1.00	-0.03	0.00 to 0.058	0.001 Small
SDNN (ms)	53.99 \pm 35.98	54.00 \pm 35.97	1.00	0.01	-0.08 to 0.063	0.000 Small
RMSSD (ms)	5.63 \pm 7.23	5.97 \pm 7.09	1.00	0.34	-1.65 to 0.961	0.048 Small
PN50 (%)	0.49 \pm 1.88	0.49 \pm 1.88	-	0.00	-	0.000 Small
VLF Power (ms ²)	1527.04 \pm 3266.96	1526.74 \pm 3265.62	1.00	-0.30	-2.43 to 3.034	0.000 Small
LF Power (ms ²)	183.02 \pm 674.93	183.03 \pm 675.01	1.00	0.01	-0.23 to 0.202	0.000 Small
HF Power (ms ²)	53.34 \pm 200.51	53.28 \pm 199.95	1.00	-0.06	-1.19 to 1.303	0.000 Small
nuLF Power	80.47 \pm 11.42	79.05 \pm 9.82	0.81	-1.42	-11.79 to 14.635	0.134 Small
nuHF Power	19.44 \pm 11.35	20.81 \pm 9.64	0.82	1.37	-14.15 to 11.408	0.130 Small
LF:HF Ratio	5.86 \pm 3.91	5.02 \pm 3.24	0.95	-0.84	-1.76 to 3.435	0.234 Moderate
SD1	4.00 \pm 5.12	4.24 \pm 5.03	1.00	0.24	-1.16 to 0.679	0.048 Small
SD2	76.11 \pm 50.62	76.11 \pm 50.61	1.00	0.01	-0.08 to 0.063	0.000 Small
Sample Entropy	0.18 \pm 0.17	0.22 \pm 0.18	0.89	0.03	-0.20 to 0.128	0.190 Small

SPLINE	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	401.7 ± 56.8	401.7 ± 56.8	1.00	-0.03	0.00 to 0.058	0.001	Small
SDNN (ms)	53.99 ± 35.98	54.01 ± 35.97	1.00	0.01	-0.09 to 0.062	0.000	Small
RMSSD (ms)	5.63 ± 7.23	5.97 ± 7.10	1.00	0.34	-1.64 to 0.972	0.047	Small
PNN50 (%)	0.49 ± 1.88	0.49 ± 1.88	-	0.00	-	0.000	Small
VLF Power (ms ²)	1527.04 ± 3266.96	1526.75 ± 3315.79	1.00	-0.30	-2.44 to 3.032	0.000	Small
LF Power (ms ²)	183.02 ± 674.93	183.05 ± 675.00	1.00	0.03	-0.22 to 0.156	0.000	Small
HF Power (ms ²)	53.34 ± 200.51	53.28 ± 199.95	1.00	-0.05	-1.20 to 1.300	0.000	Small
nuLF Power	80.47 ± 11.42	78.97 ± 9.88	0.81	-1.50	-11.79 to 14.789	0.140	Small
nuHF Power	19.44 ± 11.35	20.88 ± 9.70	0.82	1.44	-14.30 to 11.422	0.136	Small
LF:HF Ratio	5.86 ± 3.91	5.01 ± 3.25	0.95	-0.85	-1.79 to 3.482	0.235	Moderate
SD1	4.00 ± 5.12	4.24 ± 5.03	1.00	0.24	-1.16 to 0.687	0.047	Small
SD2	76.11 ± 50.62	76.12 ± 50.61	1.00	0.01	-0.08 to 0.062	0.000	Small
Sample Entropy	0.18 ± 0.17	0.22 ± 0.18	0.89	0.04	-0.20 to 0.130	0.206	Moderate

CUBIC	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	401.7 ± 56.8	401.7 ± 56.8	1.00	-0.03	0.00 to 0.058	0.001	Small
SDNN (ms)	53.99 ± 35.98	54.00 ± 35.97	1.00	0.01	-0.08 to 0.063	0.000	Small
RMSSD (ms)	5.63 ± 7.23	5.95 ± 7.10	1.00	0.32	-1.63 to 0.979	0.045	Small
PNN50 (%)	0.49 ± 1.88	0.49 ± 1.88	-	0.00	-	0.000	Small
VLF Power (ms ²)	1527.04 ± 3266.96	1526.75 ± 3265.62	1.00	-0.30	-2.44 to 3.034	0.000	Small
LF Power (ms ²)	183.02 ± 674.93	183.05 ± 675.00	1.00	0.03	-0.22 to 0.166	0.000	Small
HF Power (ms ²)	53.34 ± 200.51	53.28 ± 199.95	1.00	-0.05	-1.19 to 1.301	0.000	Small
nuLF Power	80.47 ± 11.42	78.98 ± 9.87	0.81	-1.49	-11.77 to 14.737	0.139	Small
nuHF Power	19.44 ± 11.35	20.87 ± 9.69	0.82	1.43	-14.25 to 11.393	0.135	Small
LF:HF Ratio	5.86 ± 3.91	5.01 ± 3.25	0.95	-0.84	-1.77 to 3.458	0.235	Moderate
SD1	4.00 ± 5.12	4.23 ± 5.03	1.00	0.23	-1.15 to 0.692	0.045	Small
SD2	76.11 ± 50.62	76.11 ± 50.61	1.00	0.01	-0.08 to 0.063	0.000	Small
Sample Entropy	0.18 ± 0.17	0.22 ± 0.18	0.89	0.03	-0.20 to 0.129	0.195	Small

KUBIOS	ECG	Polar	Correlation	% Bias	LoA	Magnitude of the Bias	
						Effect Size	Interpretation
Mean RR (ms)	401.7 ± 56.8	401.8 ± 56.7	1.00	0.15	-2.31 to 2.005	0.003	Small
SDNN (ms)	53.99 ± 35.98	54.03 ± 35.98	1.00	0.03	-1.16 to 1.092	0.001	Small
RMSSD (ms)	5.63 ± 7.23	6.07 ± 7.11	1.00	0.44	-1.81 to 0.940	0.061	Small
PNN50 (%)	0.49 ± 1.88	0.50 ± 1.88	1.00	0.02	-0.16 to 0.122	0.010	Small
VLF Power (ms ²)	1527.04 ± 3266.96	1527.75 ± 3265.46	1.00	0.71	-13.18 to 11.762	0.000	Small
LF Power (ms ²)	183.02 ± 674.93	183.31 ± 674.93	1.00	0.29	-1.50 to 0.925	0.000	Small
HF Power (ms ²)	53.34 ± 200.51	53.75 ± 199.83	1.00	0.42	-2.44 to 1.601	0.002	Small
nuLF Power	80.47 ± 11.42	74.22 ± 11.67	0.64	-6.25	-13.09 to 25.594	0.541	Mod - Great
nuHF Power	19.44 ± 11.35	25.59 ± 11.49	0.64	6.15	-25.11 to 12.804	0.539	Mod - Great
LF:HF Ratio	5.86 ± 3.91	3.98 ± 2.93	0.88	-1.88	-1.92 to 5.683	0.545	Mod - Great
SD1	4.00 ± 5.12	4.31 ± 5.04	1.00	0.31	-1.28 to 0.662	0.061	Small
SD2	76.11 ± 50.62	76.14 ± 50.62	1.00	0.04	-1.63 to 1.552	0.001	Small
Sample Entropy	0.18 ± 0.17	0.22 ± 0.18	0.90	0.04	-0.20 to 0.118	0.225	Moderate