

Supplementary Table S2. The results of the compared ECG parameters of subjects without (“ERP-”) and with (“ERP+”) ERP. The statistically significant differences are marked with bold.

ECG Parameter	unit	"ERP-" Group (n = 182)	"ERP+" Group (n = 38)	Difference between groups	p-Value
Heart rate module					
Mean Heart rate	beats/min	71.9 ± 11.7	68.9 ± 10.3	-3.0	0.112
Mean RR interval	ms	857.4 ± 145.0	891.7 ± 144.2	-34.3	0.190
QRS axis module					
QRS axis	grade	62.6 ± 16.8	64.9 ± 17.3	+2.3	0.488
Intermediate (30-60 grades)	%	27.3 %	28.9 %	+1.6 %	0.834
Horizontalized (-30-30 grades)	%	11.4 %	5.3 %	-6.1 %	0.227
Verticalized (60-90 grades)	%	54.5 %	57.8 %	+3.3 %	0.707
Extreme left, left anterior hemiblock	%	1.7 %	2.6 %	+0.9 %	0.715
Extreme right, left posterior hemiblock	%	4.0 %	5.3 %	+1.3 %	0.728
No man`s land (-90-180 gardes)	%	0.6 %	0.0 %	-0.6 %	0.531
P wave module					
Sinusal P	%	98.9 %	100.0 %	+1.1 %	0.375
Retrograde P in inferior leads	%	0.6 %	5.3 %	+4.7 %	0.059
Wandering pacemaker (≥ 3 P wave morphology)	%	3.4 %	5.3 %	+1.9 %	0.601
Bifid P wave in limb leads	%	40.6 %	45.9 %	+5.3 %	0.547
Negative terminal P in inferior lead(s)	%	19.3 %	34.2 %	+14.9 %	0.044
Biphasic P wave in V1	%	64.2 %	63.2 %	-1.0 %	0.903
Highest P wave amplitude in I, II, III, aVL, aVF (PA max)	mm	1.3 ± 0.4	1.2 ± 0.4	-0.1	0.176
Smallest P wave amplitude in I, II, III, aVL, aVF (PA min)	mm	0.350 ± 0.096	0.352 ± 0.090	+0.002	0.932
Pamplitude max - min	mm	0.936 ± 0.401	0.858 ± 0.394	-0.078	0.273
Longest P wave I, II, III, aVL, aVF (PDur max)	ms	110.4 ± 10.2	114.2 ± 9.4	+3.8	0.032
Shortest P wave I, II, III, aVL, aVF (PDur min)	ms	86.4 ± 14.3	88.8 ± 14.9	+2.4	0.384
PDur max - PDur min	ms	24.2 ± 13.8	24.8 ± 16.1	+0.6	0.848
Average P wave duration	ms	101.5 ± 9.2	106.8 ± 9.9	+5.3	0.004
Amplitude of positive component of P wave in V1	mm	0.456 ± 0.198	0.424 ± 0.205	-0.031	0.407

Amplitude of negative component of P wave in V1	mm	0.308 ± 0.202	0.288 ± 0.194	-0.020	0.644
PQ (PR) interval (the longest in I, II, III, aVL, aVF)	ms	160.4 ± 19.8	159.1 ± 16.1	-1.3	0.654
QRS module					
Q wave in lateral (I, aVL, V5,6) leads	%	82.4 %	84.2 %	+1.8 %	0.787
Q wave in inferior (II, III, aVF) leads	%	77.3 %	84.2 %	+6.9 %	0.345
Q wave amplitude > 2 mm	%	13.1 %	13.2 %	+0.1 %	0.998
Major LBBB pattern	%	0.0 %	0.0 %	0.0 %	-
Minor LBBB pattern	%	2.8 %	0.0 %	-2.8 %	0.159
Major RBBB pattern	%	3.4 %	0.0 %	-3.4 %	0.123
Minor RBBB pattern	%	10.9 %	4.6 %	-6.3 %	0.221
Fragmented QRS (notching of QRS <120 ms in at least one lead, excepting aVR)	%	67.6 %	92.1 %	+24.5 %	0.002
Late R/S transition (R<S in V4) in precordial leads	%	6.3 %	10.5 %	+4.2 %	0.373
Type A ventricular preexcitation (dominant R in V1)	%	0.0 %	0.0 %	0.0 %	-
Type B ventricular preexcitation (dominant R in V5)	%	0.6 %	0.0 %	-0.6 %	0.531
Intrinsicoidal deflection in aVL	ms	36.0 ± 10.7	34.5 ± 12.7	-1.5	0.491
Intrinsicoidal deflection in V5	ms	43.4 ± 7.3	41.0 ± 6.3	-2.4	0.045
QRS duration in II	ms	92.2 ± 15.3	76.9 ± 11.9	-15.3	<0.001
QRS duration in V2	ms	96.8 ± 11.9	91.8 ± 8.6	-5.0	0.003
QRS duration in V5	ms	92.1 ± 12.9	78.5 ± 9.4	-13.6	<0.001
Max QRS duration from lead II, V2, V5	ms	98.7 ± 11.8	92.5 ± 8.0	-6.2	<0.001
Sokolow-Lyon index for LVH (S in V1 or V2 + R in V5 or V6)	mm	34.6 ± 9.1	36.8 ± 6.0	+2.2	0.063
Sokolow-Lyon index for RVH (R in V1 or V2 + S in V5 or V6)	mm	11.0 ± 4.0	9.7 ± 3.3	-1.3	0.043
Cornell index for LVH (R in aVL+ S in V3)	mm	14.1 ± 5.8	12.7 ± 5.4	-1.4	0.150
Max R wave amplitude in V4, V5, V6	mm	19.7 ± 5.2	19.2 ± 5.8	-0.5	0.629
ST-T, QT, Tpeak-Tend module					
Juvenile ECG pattern (negative T in V1,2)	%	45.5 %	42.1 %	-3.4 %	0.707
Male type ECG (ST-elevation > 1 mm in V2-4)	%	38.6 %	57.9 %	+19.3 %	0.029
Tall T waves (>2/3 R in positive QRS leads) in lateral leads	%	0.6 %	0.0 %	-0.6 %	0.535

Tall T waves (>2/3 R in positive QRS leads) in inferior leads	%	0.0 %	0.0 %	0.0 %	-
Tall T waves in negative QRS leads	%	0.0 %	0.0 %	0.0 %	-
ST depression (> 0,5 mm) in lateral leads	%	0.0 %	0.0 %	0.0 %	-
ST depression (> 0,5 mm) in inferior leads	%	3.4 %	0.0 %	-3.4 %	0.123
ST depression (> 0,5 mm) in anterior leads	%	0.0 %	0.0 %	0.0 %	-
Diffuse ST depression (>0.5 mm)	%	0.0 %	0.0 %	0.0 %	-
Flat T waves (< ± 1mm) in lateral leads	%	1.7 %	7.9 %	+6.2 %	0.067
Flat T waves (< ± 1mm) in inferior leads	%	7.4 %	7.9 %	+0.5 %	0.915
Flat T waves (<± 1mm) in anterior leads	%	0.0 %	2.6 %	+2.6 %	0.062
Diffuse flat T waves (< ± 1mm)	%	0.0 %	0.0 %	0.0 %	-
Negative T waves (> - 1mm) in lateral leads	%	0.6 %	2.6 %	+2.0 %	0.297
Negative T waves (> - 1mm) in inferior leads	%	0.6 %	2.6 %	+2.0 %	0.297
Negative T waves (> - 1mm) in anterior leads	%	0.6 %	0.0 %	-0.6 %	0.531
Epsilon wave in V1	%	1.1 %	0.0 %	-1.1 %	0.375
QT average	ms	353.0	356.8	+3.8	0.365
QT average corrected (Bazett's formula)	ms	383.3	380.3	-3.0	0.497
QT max	ms	365.9	369.5	+3.6	0.388
QT max corrected (Bazett's formula)	ms	397.7	393.9	-3.8	0.476
QT max/QRS in V5		4.1 ± 0.6	4.7 ± 0.6	+0.6	<0.001
Qt max corrected/QRS in V5		4.5 ± 0.8	5.4 ± 1.1	+0.9	<0.001
QT dispersion = difference of max and min QT in I, aVF, V2	ms	25.1 ± 12.5	16.7 ± 9.9	-8.4	<0.001
QT dispersion corrected (Bazett's formula)	ms	26.2 ± 12.5	17.9 ± 11.4	-8.3	<0.001
QT dispersion/QT average		0.070 ± 0.034	0.046 ± 0.028	-0.024	<0.001
Tpeak – Tend average	ms	70.9 ± 8.1	67.8 ± 8.0	-3.1	0.036
T peak– Tend average corrected (Bazett's formula)	ms	77.1 ± 10.4	72.4 ± 10.5	-4.7	0.016
Tpeak – Tend max	ms	81.5 ± 9.4	78.6 ± 9.7	-2.9	0.101
Tpeak -Tend max corrected (Bazett's formula)	ms	90.3 ± 14.6	83.4 ± 13.1	-6.9	0.005
Tpeak – Tend average/ QT average		0.202 ± 0.022	0.190 ± 0.019	-0.012	0.001
Arrhythmia module					
Atrial premature beats	%	0.6 %	7.9 %	+7.3 %	0.011
Ventricular premature beatS of RV origin (LBBB pattern)	%	0.0 %	2.6 %	+2.6 %	0.062

Ventricular premature beats of LV origin (RBBB pattern)	%	1.7 %	0.0 %	-1.7 %	0.418
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Abbreviations: LBBB – left boundle branch block, RBBB – right boundle branch block, RVH – right ventricular hypertrophy, LVH – left ventricular hypertrophy