

Table S1. Electrocardiographic main parameters.

	Baseline	Follow-up	p-value
S > R or S > 40 ms in I, II, III, n (%)	104 (69%)	81 (54%)	< 0.001*
S > R or S > 40 ms in V6, n (%)	35 (23%)	29 (19%)	0.157
R/S V1 > R/S in V3, V4, n (%)	36 (24%)	15 (10%)	< 0.001*
R/S in V5 : R/S in V1, median (IQR)	1.9 (4.8)	4.9 (11.4)	< 0.001*
(RI + SIII) - (SI + RIII), mV, median (IQR)	-0.65 (0.94)	-0.35 (0.89)	< 0.001*
R V1, V2 + S I, aVL - S V1, mV, median (IQR)	0.6 (0.7)	0.3 (0.65)	< 0.001*

Annotation: *: p-values < 0.008 are considered to be statistically significant after Bonferroni correction, IQR: interquartile range

Table S2: Atrial parameters

	Baseline	Follow-up	p-value
Double-peaked P-wave, n (%)	20 (13%)	16 (11%)	0.405
P dextroatriale, n (%)	60 (40%)	24 (16%)	< 0.001
P sinistrioatriale, n (%)	2 (1%)	2 (1%)	1.000
P biatriale, n (%)	10 (7%)	3 (2%)	0.008
Supraventricular extrasystoles, n (%)	7 (5%)	11 (7%)	0.285
P-wave amplitude in II, mV, median (IQR)	0.2 (0.1)	0.2 (0.05)	< 0.001
Highest P-wave, mV, median (IQR)	0.2 (0.1)	0.2 (0.05)	< 0.001
Longest P-wave, ms, median (IQR)	120 (5)	120 (10)	0.079
Shortest P-wave, ms, median (IQR)	80 (10)	80 (15)	0.755
P-wave dispersion, ms, median (IQR)	40 (13)	40 (15)	0.334

Annotation: IQR: interquartile range

Table S3: Ventricular parameters

	Baseline	Follow-up	p-value
Right ventricular hypertrophy (SLI), n (%)	67 (45%)	40 (27%)	< 0.001
Left ventricular hypertrophy (SLI), n (%)	0 (0%)	0 (0%)	
Biventricular hypertrophy (SLI), n (%)	0 (0%)	1 (1%)	
qR pattern in V1, n (%)	24 (16%)	19 (13%)	0.297

RSR` pattern in V1 (QRS > 120 ms), n (%)	19 (13%)	15 (10%)	0.317
Right bundle branch block, n (%)	50 (33%)	42 (28%)	0.074
Complete right bundle branch block, n (%)	22 (15%)	19 (13%)	0.405
Incomplete right bundle branch block, n (%)	28 (19%)	23 (15%)	0.275
Left bundle branch block, n (%)	4 (3%)	5 (3%)	0.317
Ventricular extrasystoles, n (%)	8 (5%)	4 (3%)	0.206
QRS-interval, ms, Median	95 (20)	95 (25)	0.224
R-amplitude in I, mV, median (IQR)	0.3 (0.29)	0.4 (0.25)	<0.001
R-amplitude in III, mV, median (IQR)	0.8 (0.64)	0.6 (0.5)	<0.001
R-amplitude in aVR, mV, median (IQR)	0.5 (0.3)	0.58 (0.35)	0.038
R-amplitude in V1, mV, median (IQR)	0.3 (0.35)	0.2 (0.25)	<0.001
R-amplitude in V2, mV, median (IQR)	0.3 (0.3)	0.25 (0.25)	0.003
R-amplitude in V6, mV, median (IQR)	0.8 (0.5)	0.8 (0.5)	0.041
S-amplitude in I, mV, median (IQR)	0.31 (0.35)	0.25 (0.25)	<0.001
S-amplitude in III, mV, median (IQR)	0.15 (0.3)	0.1 (0.3)	0.946
S-amplitude in aVL, mV, median (IQR)	0.45 (0.5)	0.3 (0.45)	<0.001
S-amplitude in V1, mV, median (IQR)	0.3 (0.35)	0.4 (0.4)	<0.001
S-amplitude in V3, mV, median (IQR)	0.7 (0.64)	0.6 (0.54)	0.045
S-amplitude in V4, mV, median (IQR)	0.65 (0.65)	0.5 (0.5)	<0.001
S-amplitude in V5, mV, median (IQR)	0.5 (0.45)	0.4 (0.4)	<0.001
S-amplitude in V6, mV, median (IQR)	0.3 (0.4)	0.2 (0.29)	<0.001
R/S in V1, median (IQR)	1 (2)	0.4 (0.8)	<0.001
R/S in V5, median (IQR)	1.7 (2)	2.4 (2.7)	<0.001
R/S in V6, median (IQR)	2.4 (2.6)	3.3 (4.4)	<0.001
R V1,2 + S I, aVL - S V1, mV, median (IQR)	0.6 (0.7)	0.3 (0.65)	<0.001
R V1 + S V5, V6, mV, median (IQR)	0.85 (0.73)	0.65 (0.56)	<0.001
R-amplitude V1 (QRS < 120 ms), mV, median (IQR)	0.25 (0.3)	0.2 (0.21)	<0.001
R peak time V1 (QRS < 120 ms), ms, median (IQR)	50 (30)	43 (40)	<0.001
R V1, V2 + S I, V6 - S V1, mV, median (IQR)	0.6 (0.89)	0.28 (0.7)	<0.001

Annotation: IQR: interquartile range, SLI: Sokolow-Lyon-Index for ventricular hypertrophy

Table S4: Cut-off values of ventricular parameters

	Cut-off value	Baseline	Follow-up	p-value
R-amplitude in I, n (%)	≤ 0.2 mV	48 (32%)	34 (23%)	0.020
R-amplitude in aVR, n (%)	> 0.4 mV	97 (65%)	99 (66%)	0.746
R-amplitude in V1, n (%)	> 0.6 mV	22 (15%)	13 (9%)	0.029
R-amplitude in V6, n (%)	< 0.3 mV	3 (2%)	5 (3%)	0.414
S-amplitude in V1, n (%)	< 0.2 mV	44 (29%)	34 (23%)	0.077
S-amplitude in V5, n (%)	> 1.0 mV	13 (9%)	5 (3%)	0.021
S-amplitude in V6, n (%)	> 0.3 mV	68 (45%)	44 (29%)	< 0.001
R/S in V1, n (%)	> 1.0	55 (37%)	25 (17%)	< 0.001
R/S in V5, n (%)	< 0.75	18 (12%)	13 (9%)	0.251
R/S in V6, n (%)	< 0.4	3 (2%)	2 (1%)	0.655
R V1 + S V5, V6, n (%)	> 1.05 mV	48 (32%)	27 (18%)	< 0.001
R peak time V1 (QRS < 120 ms), n (%)	> 35 ms	86 (57%)	67 (45%)	0.002
R V1, V2 + S I, V6 - S V1, n (%)	> 0.6 mV	69 (46%)	40 (27%)	< 0.001

Table S5: Repolarisation parameters

	Baseline	Follow-Up	p-value
Longest T-wave, ms, median (IQR)	300 (80)	300 (58)	0.044
Shortest T-wave, ms, median (IQR)	150 (30)	140 (20)	0.572
T-wave dispersion, ms, median (IQR)	140 (80)	140 (58)	0.087
T-wave inversion in II, n (%)	46 (31%)	19 (13%)	< 0.001
T-wave inversion in III, n (%)	73 (49%)	49 (33%)	< 0.001
T-wave inversion in aVF, n (%)	61 (41%)	26 (17%)	< 0.001
T-wave inversion in V1, n (%)	130 (87%)	133 (89%)	0.414
T-wave inversion in V2, n (%)	76 (51%)	68 (45%)	0.144
T-wave inversion in V3, n (%)	90 (60%)	66 (44%)	< 0.001
T-wave inversions in II, III and aVF, V1-V3	21 (14%)	9 (6%)	0.011
T-wave inversions in II, III and aVF	46 (31%)	18 (12%)	< 0.001

T-wave-inversions in V1-V3	68 (45%)	53 (35%)	0.025
-----------------------------------	----------	----------	-------

Annotation: IQR: interquartile range

Table S6: General electrocardiographic data

	Baseline	Follow-Up	p-value
Sinusrhythm, n (%)	148 (99%)	143 (95%)	0.025
Normocardia, n (%)	123 (82%)	131 (87%)	0.194
Bradycardia, n (%)	3 (2%)	9 (6%)	0.083
Tachycardia, n (%)	24 (16%)	10 (7%)	0.006
First-degree AV block, n (%)	6 (4%)	4 (3%)	0.564
Myocardial infarction, n (%)	6 (4%)	6 (4%)	
Heart rate, bpm, median (IQR)	84 (21.8)	78 (19)	<0.001
PQ-interval, ms, median (IQR)	150 (29)	150 (25)	0.454
PR-interval, ms, median (IQR)	160 (20)	145 (41)	
QT-interval, ms, median (IQR)	390 (70)	380 (40)	<0.001
QTc-interval (Bazett), ms, median (IQR)	454 (85)	432 (44)	<0.001
QTc-interval (Fridericia), ms, median (IQR)	428 (77)	413 (43)	<0.001
QTc-interval (Hodges), ms, median (IQR)	428 (69)	414 (39)	<0.001
QTc-interval (Framingham), ms, median (IQR)	390 (70)	380 (40)	<0.001

Annotation: IQR: interquartile range

Table S7: Correlations between electrocardiographic and haemodynamic parameters - Baseline

Parameter 1	Parameter 2	r-value	p-value
R-amplitude in V1	mPAP	0.473	< 0.001
S-amplitude in I	mPAP	0.474	< 0.001
S-amplitude in V1	mPAP	-0.401	< 0.001
S-amplitude in V5	mPAP	0.344	< 0.001
S-amplitude in V6	mPAP	0.419	< 0.001
R/S in V1	mPAP	0.464	< 0.001
R/S in V6	mPAP	-0.328	< 0.001

R/S in V5: R/S in V1	mPAP	-0.434	< 0.001
(RI + SIII) - (SI + RIII)	mPAP	-0.331	< 0.001
R V1, V2 + S I, aVL - S V1	mPAP	0.519	< 0.001
R V1, V2 + S I, V6 - S V1	mPAP	0.524	< 0.001
R V1 + S V5, V6	mPAP	0.471	< 0.001
R-amplitude in V1 (QRS < 120 ms)	mPAP	0.458	< 0.001
R peak time in V1 (QRS < 120 ms)	mPAP	0.324	< 0.001
QTc-interval (Bazett)	mPAP	0.328	< 0.001
Highest P-wave	PVR	0.312	< 0.001
R-amplitude in V1	PVR	0.522	< 0.001
S-amplitude in I	PVR	0.372	< 0.001
S-amplitude in V1	PVR	-0.409	< 0.001
S-amplitude in V5	PVR	0.322	< 0.001
S-amplitude in V6	PVR	0.441	< 0.001
R/S in V1	PVR	0.518	< 0.001
R/S in V6	PVR	-0.384	< 0.001
R/S in V5 : R/S in V1	PVR	-0.501	< 0.001
R V1, V2 + S I, aVL - S V1	PVR	0.491	< 0.001
R V1, V2 + S I, V6 - S V1	PVR	0.516	< 0.001
R V1 + S V5, V6	PVR	0.472	< 0.001
R-amplitude in V1 (QRS < 120 ms)	PVR	0.496	< 0.001
R peak time in V1 (QRS < 120 ms)	PVR	0.306	< 0.001
QTc-interval (Bazett)	PVR	0.447	< 0.001
QTc-interval (Fridericia)	PVR	0.384	< 0.001
QTc-interval (Hodges)	PVR	0.419	< 0.001
S-amplitude in V3	RAP	-0.311	< 0.001
S-amplitude in V6	RAP	0.315	< 0.001
R/S in V6	RAP	-0.350	< 0.001
R peak time in V1 (QRS < 120 ms)	RAP	0.304	< 0.001

Annotation: $r = 0.30 - 0.49$, $r = 0.50 - 0.69$, mPAP: mean pulmonary artery pressure, PVR: pulmonary vascular resistance, RAP: right atrial pressure

Table S8: Correlations between electrocardiographic and haemodynamic parameters – Follow-up

Parameter 1	Parameter 2	r-value	p-value
S-amplitude in I	mPAP	0.356	< 0.001
S-amplitude in V1	mPAP	-0.337	< 0.001
S-amplitude in V6	mPAP	0.408	< 0.001
R/S in V1	mPAP	0.350	< 0.001
R/S in V5 : R/S in V1	mPAP	-0.359	< 0.001
R V1, V2 + S I, aVL - S V1	mPAP	0.407	< 0.001
R V1, V2 + S I, V6 - S V1	mPAP	0.423	< 0.001
R V1 + S V5, V6	mPAP	0.342	< 0.001
QTc-interval (Bazett)	mPAP	0.322	< 0.001
QTc-interval (Hodges)	mPAP	0.318	< 0.001
S-amplitude in I	PVR	0.329	< 0.001
S-amplitude in V1	PVR	-0.344	< 0.001
S-amplitude in V6	PVR	0.394	< 0.001
R/S in V1	PVR	0.335	< 0.001
R/S in V6	PVR	-0.305	< 0.001
R/S in V5 : R/S in V1	PVR	-0.336	< 0.001
R V1, V2 + S I, aVL - S V1	PVR	0.372	< 0.001
R V1, V2 + S I, V6 - S V1	PVR	0.393	< 0.001
QTc-interval (Bazett)	PVR	0.357	< 0.001
QTc-interval (Fridericia)	PVR	0.315	< 0.001

Annotation: $r = 0.30 - 0.49$, mPAP: mean pulmonary artery pressure, PVR: pulmonary vascular resistance

Table S9: Correlations between changes in electrocardiographic and changes in haemodynamic parameters

Parameter 1	Parameter 2	r-value	p-value
P-wave amplitude in II	mPAP	0.379	< 0.001
Highest P-wave	mPAP	0.407	< 0.001
R-amplitude in II	mPAP	0.383	< 0.001

R/S in V6	mPAP	-0.381	< 0.001
R V1, V2 + S I, aVL - S V1	mPAP	0.488	< 0.001
R V1, V2 + S I, V6 - S V1	mPAP	0.482	< 0.001
QTc-interval (Bazett)	mPAP	0.302	< 0.001
P-wave amplitude in II	PVR	0.339	< 0.001
Highest P-wave	PVR	0.397	< 0.001
R-amplitude in V1	PVR	0.422	< 0.001
R-amplitude in V2	PVR	0.335	< 0.001
R-amplitude in V6	PVR	-0.387	< 0.001
S-amplitude in V4	PVR	0.309	< 0.001
S-amplitude in V6	PVR	0.322	< 0.001
R/S in V1	PVR	0.454	< 0.001
R/S in V5	PVR	-0.305	< 0.001
R/S in V6	PVR	-0.419	< 0.001
R/S in V5 : R/S in V1	PVR	-0.357	< 0.001
R V1, V2 + S I, aVL - S V1	PVR	0.418	< 0.001
R V1, V2 + S I, V6 - S V1	PVR	0.494	< 0.001
R V1 + S V5, V6	PVR	0.360	< 0.001
R-amplitude in V1 (QRS < 120 ms)	PVR	0.493	< 0.001
R peak time in V1 (QRS < 120 ms)	PVR	0.306	< 0.001
R-amplitude in V6	CO	0.318	< 0.001
R/S in V1	CO	-0.335	< 0.001

Annotation: $r = 0.30 - 0.49$, mPAP: mean pulmonary artery pressure, PVR: pulmonary vascular resistance, CO: cardiac output

Table S10: Subgroups patient data

	Entire cohort		mPAP ≥ 25		mPAP = 21-24		mPAP ≤ 20	
	Baseline	Follow-up	Baseline	Follow-up	Baseline	Follow-up	Baseline	Follow-up
patients, n	150	150	103	103	25	25	19	19
sex, male, n	71	71	48	48	13	13	9	9
Sex male, %	47%	47%	47%	47%	52%	52%	47%	47%

sex, female, n	79	79	55	55	12	12	10	10
sex, female, %	53%	53%	53%	53%	48%	48%	53%	53%
Age, years, span	67	67	56	55	58	57	61	61
Age, years, Minimum - maximum	15 - 82	16 - 83	26 - 82	28 - 83	21 - 79	23 - 80	15 - 76	16 - 77
Age, years, median	63.5	65.3	64	65.6	61.1	62.4	63.5	65
Age, years, interquartile range	(18.8)	(18.6)	(17.5)	(17.5)	(21.2)	(21.3)	(18.6)	(18.3)

Annotation: mPAP: mean pulmonary artery pressure

Table S11: Subgroups haemodynamic data

	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
RAP, mmHg, median	6	5	***	7	5	***	6	4	*	6	3	**
RAP, mmHg, interquartile range	(4)	(3)	***	(5)	(3.8)	***	(3)	(1.3)	*	(3.8)	(1)	**
mPAP, mmHg, median	40	29	***	41	32	***	35	23	***	28	19	***
mPAP, mmHg, interquartile range	(13.8)	(12)	***	(12)	(11)	***	(9)	(2)	***	(9.5)	(1)	***
CO, L/min, median	4.7	5	**	4.6	5	**	4.9	5	-	5.3	5.1	-
CO, L/min, interquartile range	(1.6)	(1.4)	**	(1.6)	(1.5)	**	(1.6)	(1.3)	-	(0.7)	(1.1)	-
PVR, dyn*sek*cm⁻⁵, median	536	304	***	565	369	***	431	241	***	307	164	***
PVR, dyn*sek*cm⁻⁵, interquartile range	(312)	(206)	***	(283)	(236)	***	(254)	(64)	***	(142)	(53)	***

Annotation: RAP: right atrial pressure, mPAP: mean pulmonary artery pressure, CO: cardiac output, PVR: pulmonary vascular resistance, -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001

Table S12: Subgroups electrocardiographic main parameters

	Entire cohort			mPAP ≥ 25			mPAP 21-24			mPAP ≤ 20		
	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
S > R or S > 40 ms in I, II, III, n	104	81	***#	77	64	**	15	8	*	9	6	-
S > R or S > 40 ms in I, II, III, %	69%	54%	***#	75%	62%	**	60%	32%	*	47%	32%	-
S > R or S > 40 ms in V6, n	35	29	-	29	23	-	3	3	-	1	1	
S > R or S > 40 ms in V6, %	23%	19%	-	28%	22%	-	12%	12%	-	5%	5%	
R/S V1 > R/S in V3, V4, n	36	15	***#	30	15	*	5	0		1	0	
R/S V1 > R/S in V3, V4, %	24%	10%	***#	29%	15%	*	20%	0%		5%	0%	
R/S in V5 : R/S in V1, median	1.9	4.9	***#	1.5	3.6	**#	3	6.1	-	3.7	8	*

R/S in V5 : R/S in V1, interquartile range	(4.8)	(11.4)	***#	(2.9)	(8.5)	**#	(8.2)	(14.7)	-	(7.6)	(9.2)	*
(RI + SIII) - (SI + RIII), mV, median	-0.65	-0.35	***#	-0.65	-0.4	***#	-0.45	-0.2	**	-0.65	-0.3	-
(RI + SIII) - (SI + RIII), mV, interquartile range	(0.94)	(0.89)	***#	(0.93)	(0.88)	***#	(0.8)	(0.75)	**	(1.23)	(0.68)	-
R V1, V2 + S I, aVL - S V1, mV, median	0.6	0.3	***#	0.7	0.4	***#	0.43	0.2	***#	0.23	0.05	***#
R V1, V2 + S I, aVL - S V1, mV, interquartile range	(0.7)	(0.65)	***#	(0.65)	(0.7)	***#	(0.59)	(0.3)	***#	(0.5)	(0.4)	***#

Annotation: mPAP: mean pulmonary artery pressure. -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001, #: p-values < 0.008 are considered to be statistically significant after Bonferroni correction

Table S13: Subgroups electrocardiographic main parameters – cut-off values

		Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
	Cut-off value	Base- line	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
S > R or S > 40 ms in I, II, III, n	Positive	104	81	***#	77	64	**	15	8	*	9	6	-
S > R or S > 40 ms in I, II, III, %	Positive	69%	54%	***#	75%	62%	**	60%	32%	*	47%	32%	-
S > R or S > 40 ms in V6, n	Positive	35	29	-	29	23	-	3	3	-	1	1	
S > R or S > 40 ms in V6, %	Positive	23%	19%	-	28%	22%	-	12%	12%	-	5%	5%	
R/S V1 > R/S in V3 or V4, n	Positive	36	15	***#	30	15	*	5	0		1	0	
R/S V1 > R/S in V3 or V4, %	Positive	24%	10%	***#	29%	15%	*	20%	0%		5%	0%	
R/S in V5 : R/S in V1, n	< 0.04	0	0		0	0		0	0		0	0	
R/S in V5 : R/S in V1, %	< 0.04	0%	0%		0%	0%		0%	0%		0%	0%	
(RI + SIII) - (SI + RIII), n	< 1.5 mV	148	147	-	103	101		25	25		17	18	-
(RI + SIII) - (SI + RIII), %	< 1.5 mV	99%	98%	-	100%	98%		100%	100%		90%	95%	-
R V1, V2 + S I, aVL - S V1, n	> 0.6 mV	71	44	***#	56	39	***#	8	2	*	4	0	
R V1, V2 + S I, aVL - S V1, %	> 0.6 mV	47%	29%	***#	54%	38%	***#	32%	8%	*	21%	0%	

Annotation: mPAP: mean pulmonary artery pressure. -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001, #: p-values < 0.008 are considered to be statistically significant after Bonferroni correction

Table S14: Subgroups QRS axis

	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
QRS axis > 90°, n	63	34	< 0.001	49	26	< 0.001	9	4	0.059	3	2	0.564
QRS axis > 90°, %	42%	23%	< 0.001	48%	25%	< 0.001	36%	16%	0.059	16%	11%	0.564
QRS axis > 120°, n	23	10	0.002	20	7	< 0.001	2	1	0.317	0	1	

QRS axis > 120°, %	15%	7%	0.002	19%	7%	< 0.001	8%	4%	0.317	0%	5%	
SISIISIII pattern, n	11	12	0.705	9	11	0.317	0	0		2	1	0.564
SISIISIII pattern, %	7%	8%	0.705	9%	11%	0.317	0%	0%		11%	5%	0.564
SIQIII pattern, n	10	2	0.005	5	0		2	1	0.317	2	0	
SIQIII pattern, %	7%	1%	0.005	5%	0%		8%	4%	0.317	11%	0%	
QRS axis associated with right heart strain, n	84	48	< 0.001	63	37	< 0.001	11	5	0.034	7	3	0.046
QRS axis associated with right heart strain, %	56%	32%	< 0.001	61%	36%	< 0.001	44%	20%	0.034	37%	16%	0.046
Left axis deviation, n	12	22	0.004	8	16	0.011	2	4	0.157	2	2	
Left axis deviation, %	8%	15%	0.004	8%	16%	0.011	8%	16%	0.157	11%	11%	
Normal axis, n	53	80	< 0.001	32	50	< 0.001	12	16	0.206	10	14	0.046
Normal axis, %	35%	53%	< 0.001	31%	49%	< 0.001	48%	64%	0.206	53%	74%	0.046

Annotation: mPAP: mean pulmonary artery pressure

Table S15: Subgroups atrial parameters

	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
Double-peaked P-wave, n	20	16	-	14	13	-	5	2	-	1	1	
Double-peaked P-wave, %	13%	11%	-	14%	13%	-	20%	8%	-	5%	5%	
P dextroatriale, n	60	24	***	45	19	***	7	2	*	6	1	*
P dextroatriale, %	40%	16%	***	44%	19%	***	29%	8%	*	32%	5%	*
P sinistroatriale, n	2	2	-	2	2	-	0	0		0	0	
P sinistroatriale, %	1%	1%	-	2%	2%	-	0%	0%		0%	0%	
P biatriale, n	10	3	**	6	2	*	3	0		0	0	
P biatriale, %	7%	2%	**	6%	2%	*	12%	0%		0%	0%	
Supraventricular extrasystoles, n	7	11	-	4	11	*	0	0		3	0	
Supraventricular extrasystoles, %	5%	7%	-	4%	11%	*	0%	0%		16%	0%	
P-wave amplitude in II, mV, median	0.2	0.2	***	0.2	0.2	***	0.2	0.2	**	0.2	0.15	**
P-wave amplitude in II, mV, interquartile range	(0.1)	(0.05)	***	(0.1)	(0.05)	***	(0.08)	(0.1)	**	(0.13)	(0.1)	**

Highest P-wave, mV, median	0.2	0.2	***	0.2	0.2	***	0.2	0.2	**	0.2	0.15	**
Highest P-wave, mV, interquartile range	(0.1)	(0.05)	***	(0.1)	(0.05)	***	(0.08)	(0.1)	**	(0.13)	(0.1)	**
Longest P-wave, ms, median	120	120	*	120	120	-	120	120	-	120	110	*
Longest P-wave, ms, interquartile range	(5)	(10)	*	(0)	(20)	-	(11)	(13)	-	(10)	(20)	*
Shortest P-wave, ms, median	80	80	-	80	80	-	70	75	-	80	80	-
Shortest P-wave, ms, interquartile range	(10)	(15)	-	(15)	(20)	-	(20)	(20)	-	(20)	(20)	-
P-wave dispersion, ms, median	40	40	-	40	40	-	40	40	-	40	40	-
P-wave dispersion, ms, interquartile range	(13)	(15)	-	(10)	(10)	-	(26)	(5)	-	(20)	(35)	-

Annotation: mPAP: mean pulmonary artery pressure, -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001

Table S16: Subgroups atrial parameters - cut-off values

	Cut-off value	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
		Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
P-wave amplitude in II, n	≥ 0,25 mV	48	17	***	36	12	***	6	1	*	5	1	*
P-wave amplitude in II, %	≥ 0,25 mV	32%	11%	***	35%	12%	***	24%	4%	*	26%	5%	*

Annotation: mPAP: mean pulmonary artery pressure, -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001

Table S17: Subgroups ventricular parameters – cut-off values

	Cut-off value	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
		Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
R-amplitude in I, n	≤ 0,2 mV	48	34	*	31	23	-	8	5	-	9	4	-
R-amplitude in I, %	≤ 0,2 mV	32%	23%	*	30%	22%	-	32%	20%	-	47%	21%	-
R-amplitude in aVR, n	> 0,4 mV	97	99	-	63	63	-	18	21	-	15	14	-
R-amplitude in aVR, %	> 0,4 mV	65%	66%	-	61%	61%	-	72%	84%	-	79%	74%	-
R-amplitude in V1, n	> 0,6 mV	22	13	*	18	10	*	3	1	-	0	0	-
R-amplitude in V1, %	> 0,6 mV	15%	9%	*	18%	10%	*	12%	4%	-	0%	0%	-
R-amplitude in V6, n	< 0,3 mV	3	5	-	2	4	-	0	1	-	1	0	-
R-amplitude in V6, %	< 0,3 mV	2%	3%	-	2%	4%	-	0%	4%	-	5%	0%	-
S-amplitude in V1, n	< 0,2 mV	44	34	*	36	30	-	4	2	-	2	1	-
S-amplitude in V1, %	< 0,2 mV	29%	23%	*	35%	29%	-	16%	8%	-	11%	5%	-

S-amplitude in V5, n	> 1,0 mV	13	5	* 12	5	* 1	0	0	0	
S-amplitude in V5, %	> 1,0 mV	9%	3%	* 12%	5%	* 4%	0%	0	0%	
S-amplitude in V6, n	> 0,3 mV	68	44	*** 51	38	* 10	3	** 5	1	*
S-amplitude in V6, %	> 0,3 mV	45%	29%	*** 50%	37%	* 40%	12%	** 26%	5%	*
R/S in V1, n	> 1,0	55	25	*** 46	22	*** 7	2	* 1	0	
R/S in V1, %	> 1,0	37%	17%	*** 45%	21%	*** 28%	4%	* 5%	0%	
R/S in V5, n	< 0,75	18	13	- 10	9	- 5	2	- 2	1	-
R/S in V5, %	< 0,75	12%	9%	- 10%	9%	- 20%	8%	- 11%	5%	-
R/S in V6, n	< 0,4	3	2	- 2	2	- 0	0	1	0	
R/S in V6, %	< 0,4	2%	1%	- 2%	2%	- 0%	0%	5%	0%	
R V1 + S V5, V6, n	> 1,05 mV	48	27	*** 38	22	** 7	2	- 1	1	-
R V1 + S V5, V6, %	> 1,05 mV	32%	18%	*** 37%	21%	** 28%	8%	- 5%	5%	-
R peak time V1 (QRS < 120 ms), n	> 35 ms	86	67	** 65	52	* 14	9	- 5	4	-
R peak time V1 (QRS < 120 ms), %	> 35 ms	57%	45%	** 63%	51%	* 56%	36%	- 26%	21%	-
R V1, V2 + S I, V6 - S V1, n	> 0,6 mV	71	44	*** 56	39	*** 8	2	* 4	0	
R V1, V2 + S I, V6 - S V1, %	> 0,6 mV	47%	29%	*** 54%	38%	*** 32%	8%	* 21%	0%	

Annotation: mPAP: mean pulmonary artery pressure, -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001

Table S18: Subgroups ventricular parameters

	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
Right ventricular hypertrophy (SLI), n	67	40	***	50	33	**	10	3	*	5	2	-
Right ventricular hypertrophy (SLI), %	45%	27%	***	49%	32%	**	40%	12%	*	26%	11%	-
Left ventricular hypertrophy (SLI), n	0	0		0	0		0	0		0	0	
Left ventricular hypertrophy (SLI), %	0%	0%		0%	0%		0%	0%		0%	0%	
Biventricular hypertrophy (SLI), n	0	1		0	1		0	0		0	0	
Biventricular hypertrophy (SLI), %	0%	1%		0%	1%		0%	0%		0%	0%	
qR pattern in V1, n	24	19	-	17	16	-	3	2	-	2	0	
qR pattern in V1, %	16%	13%	-	17%	16%	-	12%	8%	-	11%	0%	
RSR' in V1 (QRS > 120 ms), n	19	15	-	15	12	-	2	2		1	0	

RSR` in V1 (QRS > 120 ms), %	13%	10%	- 15%	12%	- 8%	8%	5%	0%	
Right bundle branch block, n	50	42	- 40	33	- 6	5	- 3	3	-
Right bundle branch block, %	34%	28%	- 39%	32%	- 24%	20%	- 16%	16%	-
Complete right bundle branch block, n	22	19	- 18	16	- 2	2	1	0	
Complete right bundle branch block, %	15%	13%	- 18%	16%	- 8%	8%	5%	0%	
Incomplete right bundle branch block, n	28	23	- 22	17	- 4	3	- 2	3	-
Incomplete right bundle branch block, %	19%	15%	- 21%	17%	- 16%	12%	- 11%	16%	-
Left bundle branch block, n	4	5	- 2	2	2	2	0	1	
Left bundle branch block, %	3%	3%	- 2%	2%	8%	8%	0%	5%	
Ventricular extrasystoles, n	8	4	- 6	4	- 2	0	0	0	
Ventricular extrasystoles, %	5%	3%	- 6%	4%	- 8%	0%	0%	0%	
QRS-interval, ms, median	95	95	- 100	95	- 90	90	- 95	90	-
QRS-interval, ms, IQR	(20)	(25)	- (20)	(20)	- (20)	(20)	- (18)	(18)	-
R-amplitude in I, mV, median	0.3	0.4	*** 0.3	0.35	** 0.4	0.5	** 0.3	0.3	-
R-amplitude in I, mV, IQR	(0.29)	(0.25)	*** (0.25)	(0.25)	** (0.3)	(0.4)	** (0.25)	(0.18)	-
R-amplitude in III, mV, median	0.8	0.6	*** 0.8	0.6	*** 0.7	0.6	- 0.8	0.5	-
R-amplitude in III, mV, IQR	(0.64)	(0.5)	*** (0.65)	(0.53)	*** (0.4)	(0.55)	- (0.68)	(0.43)	-
R-amplitude in aVR, mV, median	0.5	0.58	* 0.5	0.55	- 0.55	0.65	- 0.65	0.6	-
R-amplitude in aVR, mV, IQR	(0.3)	(0.35)	* (0.28)	(0.35)	- (0.25)	(0.2)	- (0.3)	(0.3)	-
R-amplitude in V1, mV, median	0.3	0.2	*** 0.33	0.2	*** 0.2	0.15	* 0.2	0.1	-
R-amplitude in V1, mV, IQR	(0.35)	(0.25)	*** (0.3)	(0.26)	*** (0.25)	(0.21)	* (0.1)	(0.1)	-
R-amplitude in V2, mV, median	0.3	0.25	** 0.3	0.25	- 0.25	0.25	- 0.38	0.3	*
R-amplitude in V2, mV, IQR	(0.3)	(0.25)	** (0.4)	(0.31)	- (0.31)	(0.15)	- (0.15)	(0.25)	*
R-amplitude in V6, mV, median	0.8	0.8	* 0.8	0.78	* 0.85	0.8	- 0.85	0.85	-
R-amplitude in V6, mV, IQR	(0.5)	(0.5)	* (0.45)	(0.54)	* (0.5)	(0.35)	- (0.43)	(0.58)	-
S-amplitude in I, mV, median	0.31	0.25	*** 0.4	0.3	*** 0.3	0.15	- 0.2	0.1	*
S-amplitude in I, mV, IQR	(0.35)	(0.25)	*** (0.35)	(0.25)	*** (0.3)	(0.2)	- (0.23)	(0.2)	*
S-amplitude in III, mV, median	0.15	0.1	- 0.15	0.1	- 0.1	0.1	- 0.1	0	-
S-amplitude in III, mV, IQR	(0.3)	(0.3)	- (0.3)	(0.3)	- (0.2)	(0.2)	- (0.55)	(0.35)	-
S-amplitude in aVL, mV, median	0.45	0.3	*** 0.45	0.3	*** 0.35	0.2	* 0.4	0.2	*

S-amplitude in aVL, mV, IQR	(0.5)	(0.45)	***	(0.5)	(0.45)	***	(0.2)	(0.35)	*	(0.63)	(0.33)	*
S-amplitude in V1, mV, median	0.3	0.4	***	0.25	0.35	***	0.3	0.45	*	0.5	0.5	-
S-amplitude in V1, mV, IQR	(0.35)	(0.4)	***	(0.3)	(0.43)	***	(0.35)	(0.35)	*	(0.43)	(0.35)	-
S-amplitude in V3, mV, median	0.7	0.6	*	0.6	0.6	-	0.85	0.6	-	0.95	0.85	-
S-amplitude in V3, mV, IQR	(0.64)	(0.54)	*	(0.6)	(0.5)	-	(0.45)	(0.45)	-	(0.58)	(0.6)	-
S-amplitude in V4, mV, median	0.65	0.5	***	0.65	0.55	***	0.6	0.45	*	0.5	0.6	-
S-amplitude in V4, mV, IQR	(0.65)	(0.5)	***	(0.6)	(0.5)	***	(0.65)	(0.4)	*	(0.55)	(0.53)	-
S-amplitude in V5, mV, median	0.5	0.4	***	0.55	0.45	***	0.4	0.3	**	0.4	0.3	-
S-amplitude in V5, mV, IQR	(0.45)	(0.4)	***	(0.5)	(0.45)	***	(0.6)	(0.3)	**	(0.48)	(0.38)	-
S-amplitude in V6, mV, median	0.3	0.2	***	0.3	0.25	***	0.2	0.1	**	0.1	0.05	*
S-amplitude in V6, mV, IQR	(0.4)	(0.29)	***	(0.4)	(0.28)	***	(0.35)	(0.15)	**	(0.25)	(0.18)	*
R/S in V1, median	1	0.4	***	1.2	0.5	**	0.8	0.3	*	0.3	0.3	-
R/S in V1, IQR	(2)	(0.8)	***	(2.2)	(0.9)	**	(1.2)	(0.7)	*	(0.3)	(0.2)	-
R/S in V5, median	1.7	2.4	***	1.7	2.2	***	1.9	3.2	-	2.1	3	**
R/S in V5, IQR	(2)	(2.7)	***	(1.6)	(2.4)	***	(2.4)	(3.1)	-	(2)	(3.6)	**
R/S in V6, median	2.4	3.3	***	2.3	3	***	2.6	6.3	**	3.8	5.8	*
R/S in V6, IQR	(2.6)	(4.4)	***	(2.6)	(3.6)	***	(3.3)	(9.4)	**	(6.2)	(6.5)	*
R V1, 2 + S I, aVL - S V1, mV, median	0.6	0.3	***	0.7	0.4	***	0.43	0.2	**	0.23	0.05	**
R V1, 2 + S I, aVL - S V1, mV, IQR	(0.7)	(0.65)	***	(0.65)	(0.7)	***	(0.59)	(0.3)	**	(0.5)	(0.4)	**
R V1 + S V5, V6, mV, median	0.85	0.65	***	0.9	0.75	***	0.6	0.5	**	0.65	0.45	-
R V1 + S V5, V6, mV, IQR	(0.73)	(0.56)	***	(0.75)	(0.59)	***	(0.7)	(0.33)	**	(0.49)	(0.38)	-
R-amplitude V1 (QRS < 120 ms), mV, median	0.25	0.2	***	0.3	0.2	***	0.2	0.15	*	0.2	0.1	-
R-amplitude V1 (QRS < 120 ms), mV, IQR	(0.3)	(0.21)	***	(0.33)	(0.25)	***	(0.25)	(0.2)	*	(0.11)	(0.11)	-
R peak time V1 (QRS < 120 ms), ms, median	50	43	***	55	50	***	60	30	-	23	20	-
R peak time V1 (QRS < 120 ms), ms, IQR	(30)	(40)	***	(20)	(40)	***	(40)	(40)	-	(34)	(13)	-
R V1, V2 + S I, V6 - S V1, mV, median	0.6	0.28	***	0.7	0.4	***	0.5	0.08	**	0.1	-0.05	**
R V1, V2 + S I, V6 - S V1, mV, IQR	(0.89)	(0.7)	***	(0.75)	(0.75)	***	(0.66)	(0.43)	**	(0.25)	(0.55)	**

Annotation: SLI: Sokolow-Lyon-Index, IQR: interquartile range, mPAP: mean pulmonary artery pressure, -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001

Table S19: Subgroups repolarisation parameters

	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
Longest T-wave, ms, median	300	300	*	300	300	-	280	300	-	300	280	*
Longest T-wave, ms, interquartile range	(80)	(58)	*	(60)	(40)	-	(80)	(40)	-	(90)	(40)	*
Shortest T-wave, ms, median	150	140	-	150	140	-	140	150	-	140	140	-
Shortest T-wave, ms, interquartile range	(30)	(20)	-	(30)	(20)	-	(60)	(20)	-	(20)	(20)	-
T-wave dispersion, ms, median	140	140	-	140	140	-	140	140	-	160	140	-
T-wave dispersion, ms, interquartile range	(80)	(58)	-	(80)	(55)	-	(40)	(60)	-	(70)	(50)	-
T-wave inversion in II, n	46	19	***	33	12	***	6	3	-	4	1	-
T-wave inversion in II, %	(31%)	(13%)	***	(32%)	(12%)	***	(24%)	(12%)	-	(21%)	(5%)	-
T-wave inversion in III, n	73	49	***	54	37	**	9	7	-	7	2	*
T-wave inversion in III, %	(49%)	(33%)	***	(52%)	(36%)	**	(36%)	(28%)	-	(37%)	(11%)	*
T-wave inversion in aVF, n	61	26	***	47	20	***	6	3	-	5	0	
T-wave inversion in aVF, %	(41%)	(17%)	***	(46%)	(19%)	***	(24%)	(12%)	-	(26%)	(0%)	
T-wave inversion in V1, n	130	133	-	89	96	-	23	22	-	15	14	-
T-wave inversion in V1, %	(87%)	(89%)	-	(86%)	(93%)	-	(92%)	(88%)	-	(79%)	(74%)	-
T-wave inversion in V2, n	76	68	-	57	54	-	12	8	-	5	4	
T-wave inversion in V2, %	(51%)	(45%)	-	(55%)	(52%)	-	(48%)	(32%)	-	(26%)	(21%)	
T-wave inversion in V3, n	90	66	***	70	55	**	13	6	**	4	3	-
T-wave inversion in V3, %	(60%)	(44%)	***	(68%)	(53%)	**	(52%)	(24%)	**	(21%)	(16%)	-
T-wave inversions in II, III, aVF and V1-V3, n	21	9	*	15	7	-	3	1	-	1	0	
T-wave inversions in II, III, aVF and V1-V3, %	(14%)	(6%)	*	(15%)	(7%)	-	(12%)	(4%)	-	(5%)	(0%)	
T-wave inversions in II, III and aVF, n	46	18	***	33	12	***	6	3	-	4	0	
T-wave inversions in II, III and aVF, %	(31%)	(12%)	***	(32%)	(12%)	***	(24%)	(12%)	-	(21%)	(0%)	
T-wave inversions in V1-V3, n	68	53	*	53	45	-	11	4	*	2	3	-
T-wave inversions in V1-V3, %	(45%)	(35%)	*	(52%)	(44%)	-	(44%)	(16%)	*	(11%)	(16%)	-

Annotation: mPAP: mean pulmonary artery pressure, -: $p > 0.05$, *: $p < 0.05$, **: $p < 0.01$, ***: $p < 0.001$

Table S20: Subgroups general parameters

	Entire cohort			mPAP ≥ 25			mPAP = 21-24			mPAP ≤ 20		
	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p	Baseline	Follow-up	p
Sinusrhythm, n	148	143	*	101	98	-	25	25	/	19	17	/
Sinusrhythm, %	(99%)	(95%)	*	(98%)	(95%)	-	(100%)	(100%)	/	(100%)	(90%)	/
Normocardia, n	123	131	-	84	88	-	20	23	-	18	18	-
Normocardia, %	(82%)	(87%)	-	(82%)	(85%)	-	(80%)	(92%)	-	(95%)	(95%)	-
Bradycardia, n	3	9	-	2	6	-	1	2	-	0	1	/
Bradycardia, %	(2%)	(6%)	-	(2%)	(6%)	-	(4%)	(8%)	-	(0%)	(5%)	/
Tachycardia, n	24	10	**	17	9	-	4	0	/	1	0	/
Tachycardia, %	(16%)	(7%)	**	(17%)	(9%)	-	(16%)	(0%)	/	(5%)	(0%)	/
First-degree AV block, n	6	4	-	6	4	-	0	0	/	0	0	/
First-degree AV block, %	(4%)	(3%)	-	(6%)	(4%)	-	(0%)	(0%)	/	(0%)	(0%)	/
Myocardial infarction, n	6	6	/	5	5	/	1	1	/	0	0	/
Myocardial infarction, %	(4%)	(4%)	/	(5%)	(5%)	/	(4%)	(4%)	/	(0%)	(0%)	/
Heart rate, bpm, median	84	78	***	84	79	***	86	79	*	77	72	**
Heart rate, bpm, IQR	(21.8)	(19)	***	(20)	(19)	***	(20)	(16)	*	(19.5)	(11)	**
PQ-interval, ms, median	150	150	-	150	150	-	150	150	-	140	140	-
PQ-interval, ms, IQR	(29)	(25)	-	(20)	(23)	-	(28)	(28)	-	(30)	(30)	-
PR-interval, ms, median	160	145	/	160	170	/	120	175	/	150	120	/
PR-interval, ms, IQR	(20)	(41)	/	(8)	(30)	/	/	(25)	/	(30)	(10)	/
QT-interval, ms, median	390	380	***	400	380	**	380	370	*	400	370	-
QT-interval, ms, IQR	(70)	(40)	***	(80)	(50)	**	(50)	(40)	*	(40)	(30)	-
QTc-interval (Bazett), ms, median	454	432	***	459	436	***	452	412	***	432	399	**
QTc-interval (Bazett), ms, IQR	(85)	(44)	***	(88)	(44)	***	(79)	(35)	***	(45)	(30)	**
QTc-interval (Fridericia), ms, median	428	413	***	439	419	***	428	397	***	415	392	**
QTc-interval (Fridericia), ms, IQR	(77)	(43)	***	(92)	(42)	***	(49)	(35)	***	(38)	(30)	**
QTc-interval (Hodges), ms, median	428	414	***	435	418	***	428	399	***	416	391	**
QTc-interval (Hodges), ms, IQR	(69)	(39)	***	(78)	(35)	***	(53)	(33)	***	(32)	(27)	**

QTc-interval (Framingham), ms, median	390	380	***	400	380	**	380	370	*	400	370	-
QTc-interval (Framingham), ms, IQR	(70)	(40)	***	(80)	(50)	**	(50)	(40)	*	(40)	(30)	-

Annotation: mPAP: mean pulmonary artery pressure, IQR: interquartile range, -: p > 0.05, *: p < 0.05, **: p < 0.01, ***: p < 0.001

Table S21: Subgroups correlations between electrocardiographic and haemodynamic parameters - Baseline

Parameter 1	Parameter 2	Entire cohort		mPAP ≥ 25		mPAP = 21-24		mPAP ≤ 20	
		r	p	r	p	r	p	r	p
Heart rate	mPAP					0.405	< 0.05		
Longest P-wave	mPAP							-0.589	< 0.01
PQ-interval	mPAP							-0.502	< 0.05
R-amplitude in I	mPAP					-0.705	< 0.001		
R-amplitude in III	mPAP					0.451	< 0.05		
R-amplitude in aVR	mPAP					-0.637	< 0.001		
R-amplitude in V1	mPAP	0.473	< 0.001	0.369	< 0.001	0.427	< 0.05		
S-amplitude in I	mPAP	0.474	< 0.001	0.415	< 0.001	0.440	< 0.05		
S-amplitude in aVL	mPAP					0.404	< 0.05		
S-amplitude in V1	mPAP	-0.401	< 0.001			-0.643	< 0.001		
S-amplitude in V4	mPAP					0.705	< 0.001		
S-amplitude in V5	mPAP	0.344	< 0.001	0.330	< 0.001	0.468	< 0.05		
S-amplitude in V6	mPAP	0.419	< 0.001	0.314	< 0.01	0.566	< 0.01		
R/S in V1	mPAP	0.464	< 0.001			0.660	< 0.01		
R/S in V6	mPAP	-0.328	< 0.001						
R/S in V5 : R/S in V1	mPAP	-0.434	< 0.001			-0.524	< 0.05		
(RI + SIII) - (SI + RIII)	mPAP	-0.331	< 0.001			-0.670	< 0.001		
R V1, V2 + S I, aVL - S V1	mPAP	0.519	< 0.001	0.392	< 0.001	0.609	< 0.01		
R V1, V2 + S I, V6 - S V1	mPAP	0.524	< 0.001	0.420	< 0.001	0.555	< 0.01		
R V1 + S V5, V6	mPAP	0.471	< 0.001	0.411	< 0.001	0.604	< 0.01		
R-amplitude in V1 (QRS < 120 ms)	mPAP	0.458	< 0.001	0.408	< 0.001				
R peak time in V1 (QRS < 120 ms)	mPAP	0.324	< 0.001						
QTc-interval (Bazett)	mPAP	0.328	< .001			0.611	< 0.01		

QTc-interval (Fridericia)	mPAP					0.539	<0.01		
QTc-interval (Hodges)	mPAP					0.595	<0.01		
Longest T-wave	mPAP							0.468	<0.05
T-wave dispersion	mPAP							0.466	<0.05
Heart rate	PVR					0.459	<0.05		
Highest P-wave	PVR	0.312	<0.001	0.313	<0.01				
Longest P-wave	PVR							-0.620	<0.01
R-amplitude in I	PVR					-0.705	<0.001	-0.631	<0.01
R-amplitude in aVR	PVR					-0.734	<0.001		
R-amplitude in V1	PVR	0.522	<0.001	0.406	<0.001	0.498	<0.05	0.482	<0.05
S-amplitude in I	PVR	0.372	<0.001	0.340	<0.001				
S-amplitude in aVL	PVR			0.308	<0.01				
S-amplitude in V1	PVR	-0.409	<0.001			-0.582	<0.01		
S-amplitude in V4	PVR					0.672	<0.001		
S-amplitude in V5	PVR	0.322	<0.001			0.484	<0.05		
S-amplitude in V6	PVR	0.441	<0.001	0.333	<0.001	0.605	<0.01		
R/S in V1	PVR	0.518	<0.001	0.394	<0.001	0.702	<0.001		
R/S in V5	PVR					-0.473	<0.05		
R/S in V6	PVR	-0.384	<0.001			-0.595	<0.01		
R/S in V5 : R/S in V1	PVR	-0.501	<0.001	-0.398	<0.001	-0.620	<0.01		
R V1, V2 + S I, aVL - S V1	PVR	0.491	<0.001	0.400	<0.001	0.498	<0.05		
R V1, V2 + S I, V6 - S V1	PVR	0.516	<0.001	0.434	<0.001	0.527	<0.01		
R V1 + S V5, V6	PVR	0.472	<0.001	0.393	<0.001	0.623	<0.01		
R-amplitude in V1 (QRS < 120 ms)	PVR	0.496	<0.001	0.413	<0.001				
R peak time in V1 (QRS < 120 ms)	PVR	0.306	<0.001						
QT-interval	PVR			0.326	<0.01				
QTc-interval (Bazett)	PVR	0.447	<.001	0.398	<0.001	0.569	<0.01		
QTc-interval (Fridericia)	PVR	0.384	<.001	0.373	<0.001	0.454	<0.05		
QTc-interval (Hodges)	PVR	0.419	<0.001	0.387	<0.001	0.529	<0.01		
QTc-interval (Framingham)	PVR			0.335	<0.001				

T-wave dispersion	PVR					0.440	< 0.05		
Heart rate	RAP					0.468	< 0.05		
P-wave amplitude in II	RAP					0.610	< 0.01	0.497	< 0.05
Highest P-wave	RAP					0.610	< 0.01	0.497	< 0.05
R-amplitude in I	RAP					-0.519	< 0.01		
R-amplitude in aVR	RAP					-0.464	< 0.05	-0.510	< 0.05
R-amplitude in V2	RAP							-0.510	< 0.05
S-amplitude in V3	RAP	-0.311	< 0.001	-0.319	< 0.01				
S-amplitude in V6	RAP	0.315	< 0.001						
R/S in V1	RAP					0.458	< 0.05		
R/S in V5	RAP							-0.635	< 0.05
R/S in V6	RAP	-0.350	< 0.001	-0.312	< 0.01				
(RI + SIII) - (SI + RIII)	RAP					-0.519	< 0.01		
R V1, V2 + S I, aVL - S V1	RAP					0.601	< 0.01		
R V1, V2 + S I, V6 - S V1	RAP					0.549	< 0.01		
R V1 + S V5, V6	RAP					0.446	< 0.05		
R-amplitude in V1 (QRS < 120 ms)	RAP			0.313	< 0.01				
R peak time in V1 (QRS < 120 ms)	RAP	0.304	< 0.001	0.420	< 0.001				
QTc-interval (Bazett)	RAP					0.671	< 0.001		
QTc-interval (Fridericia)	RAP					0.591	< 0.01		
QTc-interval (Hodges)	RAP					0.655	< 0.001		
R-amplitude in I	CO							0.608	< 0.01
R-amplitude in III	CO					0.453	< 0.05		
R-amplitude in aVR	CO					0.508	< 0.05		
R-amplitude in V1	CO							-0.536	< 0.05
R/S in V1	CO					-0.506	< 0.05		
R/S in V6	CO					0.471	< 0.05		
R/S in V5 : R/S in V1	CO					0.472	< 0.05		
QTc-interval (Hodges)	CO			-0.300	< 0.01				

Annotation: r = 0.30 – 0.49, r = 0.50 – 0.69, r = 0.70 – 0.89, mPAP: mean pulmonary artery pressure, PVR: pulmonary vascular resistance, RAP: right atrial pressure, CO: cardiac output

Table S22: Subgroups correlations between electrocardiographic and haemodynamic parameters - Follow-up

Parameter 1	Parameter 2	Entire cohort		mPAP ≥ 25		mPAP = 21-24		mPAP ≤ 20	
		r	p	r	p	r	p	r	p
PQ-interval	mPAP							0.681	<0.01
R-amplitude in I	mPAP					-0.484	<0.05		
R-amplitude in V2	mPAP					-0.416	<0.05		
S-amplitude in I	mPAP	0.356	<0.001						
S-amplitude in V1	mPAP	-0.337	<0.001						
S-amplitude in V4	mPAP					0.417	<0.05		
S-amplitude in V6	mPAP	0.408	<0.001						
R/S in V1	mPAP	0.350	<0.001						
R/S in V5 : R/S in V1	mPAP	-0.359	<0.001	-0.341	<0.01				
R V1, V2 + S I, aVL - S V1	mPAP	0.407	<0.001						
R V1, V2 + S I, V6 - S V1	mPAP	0.423	<0.001						
R V1 + S V5, V6	mPAP	0.342	<0.001						
QTc-interval (Bazett)	mPAP	0.322	<.001						
QTc-interval (Hodges)	mPAP	0.318	<0.001						
R-amplitude in V2	PVR							-0.523	<0.05
S-amplitude in I	PVR	0.329	<0.001						
S-amplitude in V1	PVR	-0.344	<0.001						
S-amplitude in V6	PVR	0.394	<0.001						
R/S in V1	PVR	0.335	<0.001						
R/S in V6	PVR	-0.305	<0.001						
R/S in V5 : R/S in V1	PVR	-0.336	<0.001	-0.324	<0.01				
R V1, V2 + S I, aVL - S V1	PVR	0.372	<0.001						
R V1, V2 + S I, V6 - S V1	PVR	0.393	<0.001						
QTc-interval (Bazett)	PVR	0.357	<0.001						
QTc-interval (Fridericia)	PVR	0.315	<0.001						
Longest T-wave	PVR					0.436	<0.05		

T-wave dispersion	PVR	0.428	<0.05		
PQ-interval	RAP			0.672	<0.01
R-amplitude in I	RAP	0.476	<0.05		
R-amplitude in III	RAP	0.480	<0.05		
R-amplitude in aVR	RAP	0.733	<0.001		
S-amplitude in V3	RAP	0.422	<0.05		
S-amplitude in III	CO	-0.436	<0.05		
R/S in V1	CO	-0.494	<0.05	0.560	<0.05
R/S in V5 : R/S in V1	CO	0.473	<0.05		
Longest T-wave	CO	-0.425	<0.05		
T-wave dispersion	CO	-0.417	<0.05		

Annotation: $r = 0.30 - 0.49$, $r = 0.50 - 0.69$, $r = 0.70 - 0.89$, mPAP: mean pulmonary artery pressure, PVR: pulmonary vascular resistance, RAP: right atrial pressure, CO: cardiac output

Table S23: Subgroups correlations between changes in electrocardiographic and changes in haemodynamic parameters

Parameter 1	Parameter 2	Entire cohort		mPAP ≥ 25		mPAP = 21-24		mPAP ≤ 20	
		r	p	r	p	r	p	r	p
Heart rate	mPAP					0.406	<0.05	0.525	<0.05
P-wave amplitude in II	mPAP	0.379	<0.001	0.366	<0.001			0.500	<0.05
Highest P-wave	mPAP	0.407	<0.001	0.407	<0.001			0.500	<0.05
R-amplitude in III	mPAP							0.472	<0.05
R-amplitude in aVR	mPAP					-0.525	<0.01		
R-amplitude in V2	mPAP	0.383	<0.001	0.414	<0.001			0.516	<0.05
R-amplitude in V6	mPAP					-0.464	<0.05		
S-amplitude in V1	mPAP					-0.745	<0.001		
S-amplitude in V4	mPAP					0.514	<0.01		
S-amplitude in V6	mPAP					0.451	<0.05		
R/S in V1	mPAP					0.715	<0.001		
R/S in V6	mPAP	-0.381	<0.001	-0.403	<0.001				
R V1, V2 + S I, aVL - S V1	mPAP	0.488	<0.001	0.415	<0.001	0.817	<0.001		
R V1, V2 + S I, V6 - S V1	mPAP	0.482	<0.001	0.426	<0.001	0.749	<0.001		

R-amplitude in V1 (QRS < 120 ms)	mPAP			0.309	< 0.01				
QT-interval	mPAP					0.426	< 0.05		
QTc-interval (Bazett)	mPAP	0.302	< 0.001			0.681	< 0.001		
QTc-interval (Fridericia)	mPAP					0.639	< 0.001		
QTc-interval (Hodges)	mPAP					0.673	< 0.001		
QTc-interval (Framingham)	mPAP					0.455	< 0.05		
Heart rate	PVR					0.402	< 0.05	0.512	< 0.05
P-wave amplitude in II	PVR	0.339	< 0.001	0.359	< 0.001				
Highest P-wave	PVR	0.397	< 0.001	0.442	< 0.001				
Shortest P-wave	PVR			0.339	< 0.001				
R-amplitude in V1	PVR	0.422	< 0.001			0.541	< 0.01		
R-amplitude in V2	PVR	0.335	< 0.001	0.388	< 0.001				
R-amplitude in V6	PVR	-0.387	< 0.001	-0.421	< 0.001	-0.478	< 0.05		
S-amplitude in III	PVR					0.560	< 0.01		
S-amplitude in V1	PVR					-0.655	< 0.001		
S-amplitude in V3	PVR							0.526	< 0.05
S-amplitude in V4	PVR	0.309	< 0.001			0.664	< 0.001		
S-amplitude in V5	PVR					0.405	< 0.05		
S-amplitude in V6	PVR	0.322	< 0.001			0.577	< 0.01		
R/S in V1	PVR	0.454	< 0.001	0.442	< 0.001	0.688	< 0.001		
R/S in V5	PVR	-0.305	< 0.001			-0.465	< 0.05		
R/S in V6	PVR	-0.419	< 0.001	-0.443	< 0.001				
R/S in V5 : R/S in V1	PVR	-0.357	< 0.001	-0.312	< 0.01	-0.608	< 0.01		
R V1, V2 + S I, aVL - S V1	PVR	0.418	< 0.001	0.394	< 0.001	0.601	< 0.01		
R V1, V2 + S I, V6 - S V1	PVR	0.494	< 0.001	0.481	< 0.001	0.697	< 0.001		
R V1 + S V5, V6	PVR	0.360	< 0.001	0.335	< 0.01	0.556	< 0.01		
R-amplitude in V1 (QRS < 120 ms)	PVR	0.493	< 0.001	0.524	< 0.001	0.501	< 0.05		
R peak time in V1 (QRS < 120 ms)	PVR	0.306	< 0.001			0.444	< 0.05		
QTc-interval (Bazett)	PVR			0.341	< 0.001	0.595	< 0.01		
QTc-interval (Fridericia)	PVR					0.548	< 0.01		

QTc-interval (Hodges)	PVR					0.594	< 0.01		
P-wave amplitude in II	RAP					0.492	< 0.05		
Highest P-wave	RAP					0.492	< 0.05		
QRS-interval	RAP							-0.590	< 0.05
S-amplitude in aVL	RAP							-0.523	< 0.05
S-amplitude in V4	RAP					0.476	< 0.05		
R/S in V1	RAP					0.586	< 0.05		
R V1, V2 + S I, aVL - S V1	RAP					0.447	< 0.05		
R V1, V2 + S I, V6 - S V1	RAP					0.547	< 0.01		
QTc-interval (Bazett)	RAP					0.590	< 0.01		
QTc-interval (Fridericia)	RAP					0.456	< 0.05		
QTc-interval (Hodges)	RAP					0.490	< 0.05		
Heart rate	CO							-0.497	< 0.05
R-amplitude in V1	CO					-0.447	< 0.05		
R-amplitude in V6	CO	0.318	< 0.001	0.342	< 0.001				
S-amplitude in III	CO					-0.590	< 0.01		
S-amplitude in V6	CO					-0.552	< 0.01		
R/S in V1	CO	-0.335	< 0.001	-0.374	< 0.01				
R/S in V5 : R/S in V1	CO					0.529	< 0.05		
R peak time in V1 (QRS < 120 ms)	CO					-0.496	< 0.05		
QT-interval	CO							0.554	< 0.05
QTc-interval (Framingham)	CO							0.515	< 0.05

Annotation: $r = 0.30 - 0.49$, $r = 0.50 - 0.69$, $r = 0.70 - 0.89$, mPAP: mean pulmonary artery pressure, PVR: pulmonary vascular resistance, RAP: right atrial pressure, CO: cardiac output