

Appendix A. Differences in vital parameters, blood gas, blood exams and need for haemodynamic support at admission (T0) and at 72 hours (T72h)			
	AF group (n=9)	SR group (n=18)	
	Mean (SD)	Mean (SD)	p
MAP-T0 (mmHg)	100.22 (34.307)	94.50 (12.458)	1.000
MAP-T72h (mmHg)	127.71 (17.64)	108.22 (14.91)	0.025
FC-T0 (BPM)	91.44 (20.55)	88.74 (20.07)	0.938
FC-T72h (BPM)	79.00 (22.93)	67.72 (14.09)	0.348
Respiratory rate-T0	20.38 (4.60)	17.50 (3.48)	0.229
Respiratory rate-T72h	19.00 (4.52)	16.50 (3.66)	0.301
Temperature-T0 (°C)	35.76 (1.22)	35.93 (1.03)	0.833
Temperature-T72h (°C)	36.13 (0.66)	36.15 (0.57)	0.695
O ₂ blood saturation-T0 (%)	96.09 (4.26)	98.83 (1.35)	0.111
O ₂ blood saturation-T72h (%)	98.37 (2.74)	99.26 (0.76)	0.582
Arterial blood pH-T0	7.28 (0.15)	7.33 (0.14)	0.280
Arterial blood pH-T72h	7.37 (0.08)	7.42 (0.08)	0.115
Arterial blood pO ₂ -T0 (mmHg)	96.33 (44.88)	121.89 (48.54)	0.100
Arterial blood pO ₂ -T72h (mmHg)	124.43 (30.29)	132.06 (40.431)	0.762
Arterial blood pCO ₂ -T0 (mmHg)	46.11 (18.93)	41.56 (10.45)	0.817
Arterial blood pCO ₂ -T72h (mmHg)	42.57 (9.80)	42.11 (6.53)	0.715
PaO ₂ /FiO ₂ -T0	179.78 (112.35)	262.66 (107.48)	0.040
PaO ₂ /FiO ₂ -T72h	261.00 (102.06)	308.04 (109.68)	0.468
Blood Na-T0 (mg dL ⁻¹)	138.00 (3.97)	139.28 (5.70)	0.776
Blood Na-T72h (mg dL ⁻¹)	137.43 (1.90)	142.56 (3.84)	0.003
Blood K-T0 (mg dL ⁻¹)	4.11 (0.56)	4.04 (0.65)	0.680
Blood K-T72h (mg dL ⁻¹)	3.73 (0.38)	3.60 (0.53)	0.523
Blood Cl-T0 (mg dL ⁻¹)	103.65 (5.96)	105.89 (7.75)	0.469
Blood Cl-T72h (mg dL ⁻¹)	102.43 (4.03)	108.17 (3.48)	0.003
Blood ionised Ca-T0 (mmol L ⁻¹)	0.88 (0.12)	0.97 (0.18)	0.189
Blood ionised Ca-T72h (mmol L ⁻¹)	1.08 (0.17)	1.05 (0.10)	0.952
Blood HCO ₃ ⁻ -T0 (mmol L ⁻¹)	21.756 (7.465)	22.983 (5.745)	0.959
Blood HCO ₃ ⁻ -T72h (mmol L ⁻¹)	24.83 (2.44)	27.73 (3.43)	0.040
Blood BE-T0 (mEq L ⁻¹)	-4.078 (9.669)	-3.044 (7.518)	1.000
Blood BE-T72h (mEq L ⁻¹)	0.40 (3.02)	3.46 (4.24)	0.043
Blood lactate-T0 (mmol L ⁻¹)	4.54 (3.33)	3.23 (4.59)	0.080
Blood lactate-T72h (mmol L ⁻¹)	1.96 (1.44)	1.29 (0.44)	0.144
Blood glucose-T0 (mg dL ⁻¹)	133.67 (39.51)	158.11 (55.53)	0.280
Blood glucose-T72h (mg dL ⁻¹)	184.00 (60.00)	161.83 (43.66)	0.506
Blood red cell-T0 (n)	3.56 ×10 ⁶ (0.60)	3.50 ×10 ⁶ (0.50)	0.940
Blood red cell-T72h (n)	3.50 ×10 ⁶ (0.41)	3.42 ×10 ⁶ (0.36)	0.716
Haemoglobin-T0 (g dL ⁻¹)	10.20 (1.67)	9.85 (1.13)	0.624
Haemoglobin-T72h (g dL ⁻¹)	9.86 (0.37)	9.87 (0.93)	0.832
Blood white cell-T0 (n)	9975.56 (8196.74)	13234.44 (7855.78)	0.217
Blood white cell-T72h (n)	22834.57 (16091.87)	13130.83 (6405.40)	0.204
Neutrophil-T0 (%)	78.56 (11.11)	81.46 (18.04)	0.217
Neutrophil-T72h (%)	85.00 (9.40)	82.99 (16.90)	0.545
Lymphocyte-T0 (%)	11.37 (5.58)	12.38 (18.71)	0.269
Lymphocyte-T72h (%)	7.40 (4.47)	10.95 (17.93)	0.809
Platelets-T0 (n)	172.78 (159.40)	269.39 (142.54)	0.057

Platelets-T72h (n)	173.43 (162.99)	232.611 (130.48)	0.183
Blood creatinine-T0 (mg dL ⁻¹)	2.08 (1.55)	2.37 (2.17)	0.681
Blood creatinine-T72h (mg dL ⁻¹)	1.87 (0.66)	1.57 (0.84)	0.348
ALT-T0 (U L ⁻¹)	56.11 (72.88)	29.00 (32.00)	0.410
ALT-T72h (U L ⁻¹)	46.29 (51.55)	29.50 (32.03)	0.650
AST-T0 (U L ⁻¹)	42.44 (34.67)	35.67 (28.36)	0.571
AST-T72h (U L ⁻¹)	32.00 (22.47)	30.11 (22.13)	0.880
Total bilirubin-T0 (mg dL ⁻¹)	1.32 (1.31)	0.87 (0.77)	0.227
Total bilirubin-T72h (mg dL ⁻¹)	1.34 (1.25)	0.98 (0.96)	0.226
Direct bilirubin-T0 (mg dL ⁻¹)	1.02 (1.24)	0.64 (0.68)	0.382
Direct bilirubin-T72h (mg dL ⁻¹)	1.00 (1.02)	0.74 (0.83)	0.275
LDH-T0 (mg dL ⁻¹)	559.78 (660.82)	205.44 (103.26)	0.014
LDH-T72h (mg dL ⁻¹)	207.39 (66.86)	760.14 (784.42)	0.002
CRP-T0 (mg dL ⁻¹)	16.65 (10.34)	21.16 (10.12)	0.293
CPR-T72h (mg dL ⁻¹)	19.58 (36.52)	14.68 (8.28)	0.276
PCT-T0 (mg dL ⁻¹)	20.20 (31.21)	17.84 (29.27)	0.918
PCT-T72h (mg dL ⁻¹)	18.23 (36.52)	6.97 (5.70)	0.628
Troponin-T0 (mg dL ⁻¹)	95.20 (117.62)	117.78 (158.64)	0.841
Troponin-T72h (mg dL ⁻¹)	757.67 (843.63)	92.667 (79.64)	0.606

Values are expressed as mean and standard deviation (SD) or as total number (N) where appropriate; p value was obtained using Mann-Whitney's non-parametric U test for continuous variable or Fisher's exact test for dichotomous variable. AF: atrial fibrillation; SR: sinus rhythm; MAP: mean arterial pressure; BE: base excess