

Rhythm at followup		Sinus rhythm at followup	Atrial fibrillation at followup	P-value
N	219	147	72	
Age (years)	52.5 ± 8.8	51.6 ± 8.8	54.4 ± 8.5	0.026
Valvular disease duration (months)	94.5 ± 101.1	89.2 ± 103.4	105.2 ± 96.1	0.272
Body mass index (Kg/m ²)	22.5 ± 3.0	22.5 ± 3.2	22.5 ± 2.6	0.951
Systolic blood pressure (mmHg)	114.7 ± 17.1	114.2 ± 16.1	115.8 ± 19.1	0.504
White blood cells (10 ⁹ /L)	6.8 ± 2.9	6.7 ± 2.5	7.0 ± 3.5	0.45
Neutrophils (10 ⁹ /L)	4.5 ± 2.8	4.3 ± 2.5	4.8 ± 3.4	0.247
Monocyte (10 ⁹ /L)	0.4 ± 0.2	0.4 ± 0.2	0.4 ± 0.2	0.772
Homoglobin (g/L)	127.5 ± 21.2	127.4 ± 22.3	127.8 ± 19.1	0.886
erythrocyte mean corpuscular volume (fl)	88.2 ± 15.9	88.0 ± 16.2	88.6 ± 15.4	0.79
Platelet Count (10 ⁹ /L)	180.8 ± 51.2	187.7 ± 51.3	166.6 ± 48.6	0.004
Alanine aminotransferase (U/L)	28.0 ± 24.5	29.2 ± 27.0	25.4 ± 18.2	0.276
Aspartate aminotransferase (U/L)	31.1 ± 28.8	31.8 ± 33.1	29.7 ± 17.1	0.621
Serum albumin (g/L)	38.0 ± 4.0	38.1 ± 4.1	37.6 ± 3.9	0.379
Total bilirubin (µmol/L)	16.2 ± 7.7	15.1 ± 7.0	18.3 ± 8.7	0.004
Urea nitrogen (mmol/L)	6.8 ± 2.5	6.5 ± 2.3	7.4 ± 2.8	0.021
Creatinine clearance rate (ml/1.73m ²)	85.2 ± 26.9	87.5 ± 29.0	80.6 ± 21.4	0.095
Uric acid (µmol/L)	381.2 ± 127.4	371.1 ± 124.6	401.4 ± 131.5	0.1
Brain natriuretic peptide (pg/ml)	323.0 ± 344.8	318.6 ± 348.7	332.8 ± 339.2	0.81

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C reactive protein (mg/L)	13.9 ± 27.0	15.3 ± 28.6	11.0 ± 23.0	0.299
Anti-streptococcal hemolysin O (IU/ml)	66.1 ± 48.5	68.4 ± 53.7	61.1 ± 34.4	0.378
INR in preoperation	1.2 ± 0.5	1.2 ± 0.6	1.2 ± 0.5	0.944
Heart Rate pre operation(bpm)	86.9 ± 22.0	87.9 ± 22.0	85.0 ± 21.9	0.397
QTc interval pre operation (ms)	448.2 ± 41.2	448.8 ± 44.9	447.0 ± 32.6	0.765
QRS interval pre operation (ms)	88.8 ± 17.5	89.3 ± 18.6	87.8 ± 15.1	0.558
LV diameter pre operation (mm)	50.4 ± 8.8	50.4 ± 9.0	50.3 ± 8.5	0.927
Left Ventricular ejection fraction (%)	62.0 ± 9.5	62.3 ± 8.7	61.5 ± 10.8	0.595
LA diameter pre operation (mm)	68.8 ± 21.2	67.3 ± 20.7	71.9 ± 21.9	0.129
RV diameter pre operation (mm)	38.3 ± 6.4	37.7 ± 6.0	39.6 ± 6.9	0.035
RA diameter pre operation (mm)	39.6 ± 8.0	38.8 ± 7.8	41.1 ± 8.2	0.045
Mean pulmonay artery pressure (mmHg)	33.3 ± 5.2	32.8 ± 5.0	34.5 ± 5.4	0.017
Sex				0.23
Male	82 (37.4%)	51 (34.7%)	31 (43.1%)	
Female	137 (62.6%)	96 (65.3%)	41 (56.9%)	
Hypertension	23 (10.6%)	15 (10.3%)	8 (11.1%)	0.863
Coronary artery disease	11 (5.0%)	8 (5.4%)	3 (4.2%)	0.685
Smoking	26 (11.9%)	18 (12.2%)	8 (11.3%)	0.835
Diabetes Mellitus	10 (4.6%)	7 (4.8%)	3 (4.2%)	0.843

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NYHA III/IV	182 (87.9%)	123 (88.5%)	59 (86.8%)	0.721
Mitral valve stenosis	179 (81.7%)	117 (79.6%)	62 (86.1%)	0.241
Mitral valve regurgitation	154 (70.3%)	102 (69.4%)	52 (72.2%)	0.666
Aortic valve stenosis	52 (23.9%)	32 (21.9%)	20 (27.8%)	0.34
Aortic valve regurgitation	27 (12.3%)	16 (10.9%)	11 (15.3%)	0.353
Rhythm at discharge				<0.001
Sinus rhythm	146 (66.7%)	116 (78.9%)	30 (41.7%)	
Atrial fibrillation	73 (33.3%)	31 (21.1%)	42 (58.3%)	
All cause death	28 (12.8%)	13 (8.8%)	15 (20.8%)	0.013