

研究人群描述

| Variable | Overall | Sinus rhythm at discharge | Atrial fibrillation at discharge | P-value |
|--|---------------|---------------------------|----------------------------------|---------|
| N | 219 | 146 | 73 | |
| Age (years) | 52.5 ± 8.8 | 51.4 ± 8.6 | 54.8 ± 8.8 | 0.006 |
| Valvular disease duration (months) | 94.5 ± 101.1 | 82.7 ± 97.4 | 118.2 ± 104.7 | 0.015 |
| Body mass index (Kg/m ²) | 22.5 ± 3.0 | 22.4 ± 3.1 | 22.8 ± 2.8 | 0.504 |
| Systolic blood pressure (mmHg) | 114.7 ± 17.1 | 113.2 ± 16.9 | 117.7 ± 17.3 | 0.068 |
| White blood cells (?10 ⁹ /L) | 6.8 ± 2.9 | 7.1 ± 3.1 | 6.1 ± 2.1 | 0.025 |
| Neutrophils (?10 ⁹ /L) | 4.5 ± 2.8 | 4.7 ± 3.2 | 4.0 ± 2.0 | 0.061 |
| Monocyte (?10 ⁹ /L) | 0.4 ± 0.2 | 0.4 ± 0.2 | 0.4 ± 0.1 | 0.145 |
| Homoglobin (g/L) | 127.5 ± 21.2 | 126.9 ± 23.5 | 128.9 ± 15.8 | 0.502 |
| erythrocyte mean corpuscular volume (fl) | 88.2 ± 15.9 | 87.6 ± 17.5 | 89.4 ± 12.2 | 0.445 |
| Platelet Count (?10 ⁹ /L) | 180.8 ± 51.2 | 183.9 ± 52.9 | 174.5 ± 47.6 | 0.206 |
| Alanine aminotransferase (U/L) | 28.0 ± 24.5 | 27.5 ± 22.3 | 28.9 ± 28.5 | 0.697 |
| Aspartate aminotransferase (U/L) | 31.1 ± 28.8 | 30.0 ± 23.3 | 33.1 ± 37.5 | 0.463 |
| Serum albumin (g/L) | 38.0 ± 4.0 | 37.9 ± 3.9 | 38.1 ± 4.3 | 0.734 |
| Total bilirubin (μmol/L) | 16.2 ± 7.7 | 15.6 ± 7.5 | 17.3 ± 8.1 | 0.146 |
| Urea nitrogen (mmol/L) | 6.8 ± 2.5 | 6.8 ± 2.7 | 6.8 ± 2.3 | 0.959 |
| Creatinine clearance rate (ml/1.73m) | 85.2 ± 26.9 | 85.4 ± 29.2 | 84.8 ± 20.9 | 0.888 |
| Uric acid (μmol/L) | 381.2 ± 127.4 | 384.0 ± 133.0 | 375.8 ± 116.4 | 0.66 |
| Brain natriuretic peptide (pg/ml) | 323.0 ± 344.8 | 321.5 ± 335.5 | 326.4 ± 368.3 | 0.934 |
| C reactive protein (mg/L) | 13.9 ± 27.0 | 14.5 ± 27.7 | 12.7 ± 25.5 | 0.661 |
| Anti-streptococcal hemolysin O (IU/ml) | 66.1 ± 48.5 | 70.3 ± 54.0 | 57.4 ± 32.9 | 0.114 |
| 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 | 87.6 ± 22.3 | 85.4 ± 21.2 | 0.513 |
| QTc interval pre operation (ms) | 448.2 ± 41.2 | 447.4 ± 42.5 | 449.9 ± 38.6 | 0.683 |
| QRS interval pre operation (ms) | 88.8 ± 17.5 | 89.2 ± 19.1 | 88.0 ± 13.8 | 0.666 |
| LV diameter pre operation (mm) | 50.4 ± 8.8 | 50.1 ± 8.2 | 50.9 ± 9.9 | 0.515 |
| Left Ventricular ejection fraction (%) | 62.0 ± 9.5 | 62.3 ± 8.9 | 61.5 ± 10.5 | 0.544 |
| LA diameter pre operation (mm) | 68.8 ± 21.2 | 66.0 ± 19.2 | 74.4 ± 23.8 | 0.005 |

| Variable | Overall | Sinus rhythm at discharge | Atrial fibrillation at discharge | P-value |
|--------------------------------------|-------------|---------------------------|----------------------------------|---------|
| RV diameter pre operation (mm) | 38.3 ± 6.4 | 37.9 ± 6.2 | 39.1 ± 6.6 | 0.17 |
| RA diameter pre operation (mm) | 39.6 ± 8.0 | 38.8 ± 7.7 | 41.2 ± 8.3 | 0.04 |
| Mean pulmonay artery pressure (mmHg) | 33.3 ± 5.2 | 33.3 ± 5.2 | 33.5 ± 5.2 | 0.715 |
| SEX | | | | 0.277 |
| Male | 82 (37.4%) | 51 (34.9%) | 31 (42.5%) | |
| Female | 137 (62.6%) | 95 (65.1%) | 42 (57.5%) | |
| Hypertension | 23 (10.6%) | 14 (9.7%) | 9 (12.3%) | 0.556 |
| Coronary artery disease | 11 (5.0%) | 4 (2.7%) | 7 (9.6%) | 0.029 |
| Smoking | 26 (11.9%) | 18 (12.3%) | 8 (11.1%) | 0.794 |
| Diabetes Mellitus | 10 (4.6%) | 8 (5.5%) | 2 (2.7%) | 0.36 |
| NYHA III/IV | 182 (87.9%) | 123 (89.1%) | 59 (85.5%) | 0.451 |
| Mitral valve stenosis | 179 (81.7%) | 121 (82.9%) | 58 (79.5%) | 0.536 |
| Mitral valve regurgitation | 154 (70.3%) | 105 (71.9%) | 49 (67.1%) | 0.464 |
| Aortic valve stenosis | 52 (23.9%) | 29 (19.9%) | 23 (31.9%) | 0.049 |
| Aortic valve regurgitation | 27 (12.3%) | 16 (11.0%) | 11 (15.1%) | 0.383 |
| Rhythm at followup | | | | <0.001 |
| Sinus rhythm at followup | 147 (67.1%) | 116 (79.5%) | 31 (42.5%) | |
| Atrial fibrillation at followup | 72 (32.9%) | 30 (20.5%) | 42 (57.5%) | |
| All cause death | 28 (12.8%) | 9 (6.2%) | 19 (26.0%) | <0.001 |