Table S1  Factors associated with higher levels of RDW in multivariable linear regression

| Variables                                | β coefficient | 95% CI            | P value |
|------------------------------------------|---------------|-------------------|---------|
| Hemoglobin                               | −0.028        | −0.033 to −0.023  | <0.001  |
| Mean corpuscular volume                  | −0.091        | −0.105 to −0.076  | <0.001  |
| Left atrial diameter, mm                 | 0.022         | 0.012 to 0.032    | <0.001  |
| eGFR, mL/min                             | −0.007        | −0.011 to −0.004  | <0.001  |
| Syncope                                  | 0.316         | 0.104 to 0.528    | 0.004   |
| Male sex                                 | 0.323         | 0.128 to 0.518    | 0.001   |
| Low density lipoprotein                  | −0.091        | −0.177 to −0.004  | 0.04    |
| Aortic valve ring diameter, mm           | −0.037        | −0.072 to −0.002  | 0.04    |
| NYHA class                                | 0.162         | 0.010 to 0.314    | 0.04    |

eGFR, estimated glomerular filtration rate; NYHA, New York Heart Association.

Table S2  Perioperative data among different groups

| Variable                                | Quartile 1 (n=246) | Quartile 2 (n=202) | Quartile 3 (n=220) | Quartile 4 (n=199) | P value |
|------------------------------------------|---------------------|--------------------|--------------------|--------------------|---------|
| Concomitant procedures                   |                     |                    |                    |                    |         |
| Mitral valvuloplasty                     | 25 (10.2%)          | 20 (9.9%)          | 25 (11.4%)         | 17 (8.5%)          | 0.818   |
| Mitral valve replacement                 | 3 (1.2%)            | 4 (2.0%)           | 4 (1.8%)           | 6 (3.0%)           | 0.598   |
| Double valve replacement                 | 0 (0.0%)            | 0 (0.0%)           | 1 (0.5%)           | 3 (1.5%)           | 0.02    |
| Tricuspid valvuloplasty                  | 15 (6.1%)           | 17 (8.4%)          | 17 (7.7%)          | 24 (12.1%)         | 0.04    |
| RVOT correction                          | 3 (1.2%)            | 1 (0.5%)           | 2 (0.9%)           | 3 (1.5%)           | 0.772   |
| WPW pathway amputation                   | 5 (2.0%)            | 1 (0.5%)           | 2 (0.9%)           | 0 (0.0%)           | 0.134   |
| Maze procedure                           | 6 (2.4%)            | 8 (4.0%)           | 16 (7.3%)          | 17 (8.5%)          | 0.02    |
| CABG                                     | 29 (11.8%)          | 12 (18.8%)         | 13 (17.3%)         | 12 (14.6%)         | 0.176   |
| Myocardial unroofing                     | 27 (11.0%)          | 9 (4.5%)           | 8 (3.6%)           | 8 (4.0%)           | 0.002   |
| CPB time, min                            | 94 (79–114)         | 95 (77–117)        | 99 (78–131)        | 96 (82–130)        | 0.229   |
| Aortic cross-clamping time, min          | 64.0 (50.8–79.0)    | 63.0 (49.8–79.0)   | 64.0 (52.0–94.8)   | 64.0 (53.0–86.0)   | 0.247   |
| Ventilation time, hour                   | 17 (13–18)          | 17 (13–20)         | 17 (14–20)         | 18 (15–21)         | 0.01    |
| Postoperative hospital stays, day        | 7 (6–8)             | 7 (6–8)            | 7 (7–9)            | 7 (7–9)            | 0.01    |
| Intensive care unit stay, day            | 2.2±1.4             | 2.3±2.1            | 2.4±2.9            | 2.5±2.2            | 0.664   |

RDW quartiles 1 to 4 were defined by <12.5%, 12.5% to 12.8%, 12.9% to 13.4%, and >13.4, respectively. RVOTO, right ventricular outflow tract obstruction; WPW, Wolff Parkinson White; CPB, cardiopulmonary bypass time; CABG, coronary artery bypass grafting.