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| **Supplementary Table 1.** Echocardiogram characteristics (N=94) |
| Age at Echo, years | 24.6 (17.5-43.0) |
| Systolic blood pressure at Echo, mmHg (N=86) | 113 ± 14.0 |
| Diastolic blood pressure at Echo, mmHg (N=86) | 66.0 ± 9.5 |
| LVDD (N=93) | 4.6 ± 0.8 |
| LVSD (N=91) | 3.2 ± 0.8 |
| LV EF, % (N=93) | 55.3 ± 8.4 |
| LAE (2D area), cm2 (N=61) | 15.7 ± 6.1 |
| LV hypertrophy | 2 (2.1) |
| TR velocity, m/sec (N=85) | 3.3 ± 0.8 |
| Pulmonary stenosis gradient, mmHg (N=93)  | 2.7 ± 1.0 |
|  |  |
| Mitral peak E wave, cm/sec (N=90)  | 103 ± 30.5 |
| Mitral peak A wave, cm/sec (N=88)  | 55.7 ± 25.5 |
| Mitral valve E/A ratio (N=88)  | 2.04 ± 0.77 |
|  < 1 | 6 (6.8) |
|  ≥ 1 | 82 (93.2) |
|  |  |
|  ≥ 2 | 38 (43.2) |
|  < 2 | 50 (56.8) |
| E and A wave fused (N=88) | 35 (37.2) |
| Mitral valve deceleration time, m/sec (N=88)  | 183 (148-210) |
| Mitral valve mean inflow, units mmHg (N=86)  | 1.2 (0.8-1.8) |
| Pulsed-wave TDI é velocity lateral mitral, cm/sec (N=39)  | 11.7 ± 4.9 |
| Pulsed-wave TDI é velocity medial mitral, cm/sec (N=37)  | 10.0 ± 4.1 |
| Mitral lateral E/é (N=39)  | 10.5 ± 6.3 |
| Mitral medial E/é (N=37)  | 13.6 ± 12.2 |
|  |  |
| Left atrial enlargement | 16 (17.0) |
| Right atrial enlargement | 76 (80.9) |
| Mitral regurgitation |  |
|  None | 72 (76.6) |
|  Mild | 17 (18.1) |
|  Mild to Moderate | 3 (3.2) |
|  Moderate | 1 (1.1)  |
|  Moderate to Severe | 0 (0.0) |
|  Severe | 1 (1.1) |
| Tricuspid regurgitation |  |
|  None | 17 (18.1) |
|  Mild | 45 (47.9) |
|  Mild to Moderate | 12 (12.8) |
|  Moderate | 14 (14.9) |
|  Moderate to Severe | 5 (5.3) |
|  Severe | 1 (1.1) |
| RV dilation |  |
|  None | 16 (17.0) |
|  Mild | 33 (35.1) |
|  Mild to Moderate | 10 (10.6) |
|  Moderate | 21 (22.3) |
|  Moderate to Severe | 3 (3.2) |
|  Severe | 11 (11.7) |
| RV function |  |
|  Normal | 32 (34.0) |
|  Mildly depressed | 28 (29.8) |
|  Mildly to Moderately depressed | 10 (10.6) |
|  Moderately depressed | 14 (14.9) |
|  Moderately to Severely depressed | 4 (4.3) |
|  Severely depressed | 6 (6.4) |
| Pulmonary insufficiency |  |
|  None | 14 (14.9) |
|  Mild | 11 (11.7) |
|  Mild to Moderate | 3 (3.2) |
|  Moderate | 11 (11.7) |
|  Moderate to Severe | 0 (0.0) |
|  Severe | 54 (57.4) |
|  Not recorded | 1 (1.1) |
| AVSD | 4 (4.3) |
| Left atrium AP , mm (N=87)  | 32.5 ± 8.5 |
| \* Data are presented as N (%) for categorical variables and Median (interquartile range) or Mean ± Standard deviation for continuous variables. Abbreviations: 2D = two-dimensional, A= late mitral filling velocity, AVSD = atrioventricular septal defect, AP = anterior posterior diameter, E = mitral early filling velocity, echo = echocardiogram, EF = ejection fraction, LV = left ventricular, LVDD = left ventricular end diastolic dimension, LVSD = left ventricular end systolic dimension, RV = right ventricular, TDI = tissue Doppler imaging, TR = tricuspid regurgitation. |