**Supplementary Material**

**“Arrhythmias in adult patients after Rastelli surgery: A single-center experience”**

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**Supplementary Tables**

**Table S1.** Hemodynamic parameters

|  |  |
| --- | --- |
|  | n = 55 |
| Ventricular dysfunction   * Systemic ventricular dysfunction * Venous ventricular dysfunction * Biventricular | 35 (63.6)  8 (14.5)  7 (12.8)  20 (36.4) |
| Significant valve regurgitation   * Systemic AV valve * Venous AV valve * Aortic * Pulmonary | 7 (12.7)  1 (1.8)  4 (7.3)  2 (3.6)  1 (1.8) |
| Significant residual shunt | 3 (5.5) |
| Significant systemic ventricular outflow obstruction | 11 (20.0) |

Note: Data are number (%)

**Table S2.** Comparison between patients with and without arrhythmias

|  | No arrhythmias  (n = 34) | Any arrhythmia  (n = 21) | P-Value |
| --- | --- | --- | --- |
| Age at Rastelli surgery | 4.0 (1.8 - 5.2) | 6.0 (3.5 - 12.0) | 0.022 |
| Female sex | 14 (41.2) | 6 (28.6) | 0.345 |
| Significant hemodynamic abnormalities | 25 (73.5) | 17 (81.0) | 0.745 |
| Ventricular dysfunction | 19 (55.9) | 16 (76.2) | 0.128 |
| ≥ Moderate valve regurgitation | 5 (14.7) | 2 (12.5) | 0.696 |
| ≥ Moderate residual shunt | 1 (2.9) | 2 (9.5) | 0.551 |
| Significant ventricular outflow obstruction | 9 (26.5) | 2 (9.5) | 0.174 |

Note: Data are mean ± standard deviation, number (%) or median (25th percentile - 75th percentile)

**Supplementary Figures**

A computer screen shot of a colorful object

Description automatically generated

**Figure S1.** Three-dimensional activation map of an intra-atrial reentrant tachycardia. A modified right lateral view shows the isthmus in the lateral atriotomy scar. **Purple tags represent areas of fractionation. Black tags represent areas with right phrenic nerve capture. The critical isthmus for the tachycardia was in the gap in the atriotomy scar.**

A close-up of a computer screen

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**Figure S2.** Three-dimensional activation maps of ventricular tachycardia examples. **A**: Superior view of RV showing macro-reentry circuit around the base of RV-PA conduit. **Arrows indicate a VT circuit with critical isthmus 1 to 2 ‘O’ clock location in this figure. Brown tags represent RF lesions**. **B:** Postero-superior view of RV showing a focal source from the base of RV-PA conduit. (RV: Right ventricle, PA: Pulmonary artery). **The earliest point of activation is tagged with a blue sphere.**