**Supplemental Table 1:** **Echo and MRI data**

**TOTAL *SURGICAL TRANSCATHETER*** p-value§

N=68 N=36 N=32

**Echocardiogram** 55 (80.9) 29 (80.6) 26 (81.3)

RV function:

Normal/low normal 33 (60.0) 16 (55.2) 17 (65.4)

Mildly depressed 21 (38.2) 12 (41.4) 9 (34.6)

≥Moderately depressed 1 (1.8) 1 (3.4) 0 (0.0) 1.00

LV function:

Normal/low normal 46 (83.6) 24 (82.8) 22 (84.6)

Mildly depressed 8 (14.5) 5 (17.2) 3 (11.5)

≥Moderately depressed 1 (1.8) 0 (0.0) 1 (3.8) 0.47

Right AVVR

None/trivial 19 (34.5) 10 (34.5) 9 (34.6)

Mild 31 (56.4) 17 (68.6) 2 (7.7)

≥ Moderate 2 (5.4) 2 (6.9) 1 (3.8) 1.00

Left AVVR:

None/trivial 44 (80.0) 25 (86.2) 19 (73.1)

Mild 6 (10.9) 1 (3.4) 5 (19.2)

≥Moderate 1 (1.8) 1 (3.4) 0 (0.0) 1.00

RV size:

Normal 8 (14.5) 1 (3.4) 7 (26.9)

Mildly dilated 19 (34.5) 12 (41.4) 7 (26.9)

≥Moderately dilated 25 (45.5) 16 (55.2) 9 (34.6) 0.25

**Cardiac MRI** 27 (39.7)

Systemic ventricle EF, % 57.8 ± 5.1 56.6 ± 3.8 59.3 ± 6.2 0.19

Pulmonary ventricle EF, % 48.7 ± 7.4 47.4 ± 7.3 50.3 ± 7.4 0.31

RV EDV indexed, mL/m2 149 ± 34.8 158 ± 30.0 139 ± 38.7 0.18

RV ESV indexed, mL/m2 75.5 ± 24.3 84.0 ± 22.2 65.6 ± 23.8 0.052

Pulmonary regurgitant fraction, % 37.9 ± 13.7 39.9 ± 11.3 35.5 ± 16.3 0.44

\* Data are presented as N (%) for categorical variables and Mean ± standard deviation for continuous variables.

§ P-value comparing surgical and transcatheter patients from Chi-square test or Fisher’s exact test for categorical variables and two-sample t-test for continuous variables.