

Table 5. Inpatient and 1-year outcomes stratified by presence of PPM for small, medium and large aortic annular size

	Without PPM	≥Moderate PPM	<i>P</i> value
Small	n=81	n=24	
Inpatient outcomes			
AVA, mean±SD, cm ²	1.82±0.34	1.13	<0.001
iAVA, mean±SD, cm ² /m ²	1.20±0.22	0.69	<0.001
AvMPG, mean±SD, mmHg	8.98±3.68	14.86	<0.001
≥Moderate AR, no. (%)	10 (12.35)	3 (12.50)	1.000
Cardiovascular death, no. (%)	0	1 (4.17)	0.229
MACE, no. (%)	1 (1.25)	2 (8.70)	0.124
Death, no. (%)	0	2 (8.33)	0.051
Myocardial infarction, no. (%)	0	1 (4.35)	0.223
Stroke, no. (%)	1 (1.23)	0	1.000
Major bleeding, no. (%)	0	0	-
New pacemaker implantation, no. (%)	6 (7.41)	4 (16.67)	0.231

1-year outcomes

AVA, mean±SD, cm ²	1.65±0.47	1.48±0.29	0.184
iAVA, mean±SD, cm ² /m ²	1.10±0.34	0.96±0.21	0.122
AvMPG, mean±SD, mmHg	10.74±5.82	13.44±4.69	0.095
≥Moderate AR, no. (%)	4 (7.69)	2 (12.50)	0.620
Death, no. (%)	2 (2.94)	3 (13.64)	0.092
Cardiovascular death, no. (%)	1 (1.47)	2 (9.09)	0.147
Medium	n=54	n=15	
Inpatient outcomes			
AVA, mean±SD, cm ²	1.90±0.37	1.22±0.23	<0.001
iAVA, mean±SD, cm ² /m ²	1.19±0.27	0.71±0.11	<0.001
AvMPG, mean±SD, mmHg	9.65±4.12	16.20±5.13	<0.001
≥Moderate AR, no. (%)	6 (11.11)	0	0.327
Cardiovascular death, no. (%)	0	0	-
MACE, no. (%)	2 (3.70)	1 (6.67)	0.527
Death, no. (%)	0	0	-
Myocardial infarction, no. (%)	1 (1.85)	0	1.000
Stroke, no. (%)	1 (1.85)	1 (6.67)	0.390
Major bleeding, no. (%)	0	0	-
New pacemaker implantation, no. (%)	4 (7.41)	2 (13.33)	0.604
1-year outcomes			
AVA, mean±SD, cm ²	1.78±0.37	1.55±0.36	0.075
iAVA, mean±SD, cm ² /m ²	1.10±0.28	0.92±0.21	0.057
AvMPG, mean±SD, mmHg	10.39±3.85	15.50±5.64	0.001
≥Moderate AR , no. (%)	7 (20.00)	0	0.171
Death within 1 year, no. (%)	4 (8.33)	1 (7.69)	1.000
Cardiovascular death within 1 year, no. (%)	2 (4.17)	0	1.000
Large	n=25	n=4	
Inpatient outcomes			
AVA, mean±SD, cm ²	2.02±0.50	1.30±0.12	0.009
iAVA, mean±SD, cm ² /m ²	1.18±0.21	0.73±0.10	<0.001
AvMPG, mean±SD, mmHg	9.84±3.58	12.00±3.56	0.274
≥Moderate AR, no. (%)	5 (20.00)	0	1.000
Cardiovascular death, no. (%)	1 (4.00)	0	1.000
MACE, no. (%)	3 (12.50)	0	1.000
Death, no. (%)	1 (4.00)	0	1.000
Myocardial infarction, no. (%)	1 (4.17)	0	1.000
Stroke, no. (%)	1 (4.00)	0	1.000

Major bleeding, no. (%)	0	0	-
New pacemaker implantation, no. (%)	3 (12.00)	0	1.000
1-year outcomes			
AVA, mean±SD, cm ²	1.93±0.29	2.13±0.47	0.432
iAVA, mean±SD, cm ² /m ²	1.17±0.24	1.23±0.27	0.755
AvMPG, mean±SD, mmHg	10.67±3.94	5.50±2.12	0.114
≥Moderate AR, no. (%)	4 (44.44)	0	1.000
Death within 1 year, no. (%)	5 (23.81)	0	0.549
Cardiovascular death within 1 year, no. (%)	3 (14.29)	0	1.000
Overall	n=160	n=43	
Inpatient outcomes			
AVA, mean±SD, cm ²	1.88±0.38	1.18±0.23	<0.001
iAVA, mean±SD, cm ² /m ²	1.19±0.24	0.70±0.12	<0.001
AvMPG, mean±SD, mmHg	9.34±3.82	15.07±6.18	<0.001
≥Moderate AR, no. (%)	21 (13.13)	3 (6.98)	0.424
Cardiovascular death, no. (%)	1 (0.63)	1 (2.33)	0.316
MACE, no. (%)	6 (3.80)	3 (7.14)	0.400
Death, no. (%)	1 (0.63)	2 (4.65)	0.114
Myocardial infarction, no. (%)	2 (1.27)	1 (2.38)	0.509
Stroke, no. (%)	3 (1.88)	1 (2.33)	1.000
Major bleeding, no. (%)	0	0	-
New pacemaker implantation, no. (%)	13 (8.13)	6 (13.95)	0.244
1-year outcomes			
AVA, mean±SD, cm ²	1.72±0.43	1.55±0.36	0.050
iAVA, mean±SD, cm ² /m ²	1.11±0.31	0.96±0.22	0.020
AvMPG, mean±SD, mmHg	10.61±4.99	13.67±5.43	0.005
≥Moderate AR, no. (%)	15 (15.46)	2 (7.14)	0.357
Death within 1 year, no. (%)	11 (8.03)	4 (10.26)	0.745
Cardiovascular death within 1 year, no. (%)	6 (4.38)	2 (5.13)	1.000

AR: aortic regurgitation, AvMPG: aortic valve mean pressure gradient, AVA: aortic valve area, MACE: major adverse cardiac events comprising death, myocardial infarction and stroke, PPM: prosthesis-patient mismatch, SEV: self-expanding valve