

Supplementary data

Supplementary Table S1. Echocardiographic data of hybrid left ventricular reconstruction

Reference	Naar 2021	Klein 2019	Loforte 2019	Klein 2019	Wang 2021
Patients (n)	23	35	7	9	26
LVEF (%)	<p>Baseline: 32 ± 7</p> <p>6 months: increase* (p=0.13, n=20)</p> <p>2 years: increase* (p=0.01, n=18)</p> <p>5 years: increase * (p=0.46, n=11)</p>	<p>Baseline: 30 ± 8</p> <p>12 months: 36 ± 6 (p=0.412, n=11)</p>	<p>Baseline: 22.8 ± 8.1</p> <p>Discharge: 35 ± 7.2 (p=0.001, n=7)</p>	<p>Baseline: 28 ± 8</p> <p>Directly postoperatively: 40 ± 10 (+43%, p<0.001)</p>	<p>Baseline: 36 ± 9</p> <p>9 months: 46 ± 10 (p<0.001)</p>
LVESVI (ml/m ²)	<p>Baseline: 73 ± 27</p> <p>6 months: 51.5 ± 22 (-30%, p<0.001)</p> <p>2 years: 49.9 ± 20 (-33%, p<0.001)</p> <p>5 years: 56.1 ± 16 (-31%, p=0.047)</p>	<p>Baseline: 75 ± 32</p> <p>12 months: 50 ± 12 (p<0.001, n=11)</p>	<p>Baseline: 93.2 ± 10.5</p> <p>Discharge: 52.1 ± 15.1 (p<0.001, n=7)</p>	<p>Baseline: 53 ± 8</p> <p>Directly postoperatively: 30 ± 11 (-43%, p<0.001)</p>	<p>Baseline: 85 ± 26</p> <p>9 months: 66 ± 24</p>
LVEDVI (ml/m ²)	<p>Baseline: 107 ± 27</p> <p>6 months: decrease* (p<0.001, n=20)</p> <p>2 years: decrease* (p<0.001, n=18)</p> <p>5 years: decrease* (p=0.04, n=11)</p>	<p>Baseline: 110 ± 39</p> <p>12 months: 78 ± 19 (p=0.015, n=11)</p>	<p>Baseline: 137.2 ± 20.1</p> <p>Discharge: 78 ± 10.2 (p=0.001, n=7)</p>	<p>Baseline: 75 ± 23</p> <p>Directly postoperatively: 45 ± 6 (-40%, p=0.001)</p>	<p>Baseline: 108 ± 33</p> <p>9 months: 91 ± 32</p>

Tricuspid regurgitation	Baseline: grade - 0.64 ± 0.6 (scale 0-4)	No change in 6 (86%) patients; decrease from moderate to mild in 1 (14%) patient.	Baseline: grade - 0.5 ± 0.6 (scale 0-4)
	6 months: grade 1.68 ± 0.8 (p<0.001)		Directly postoperatively: 0.7 ± 1.0
	2 years: grade 1.18 ± 0.8 (p=0.08)		Increase in TR in 2 (22%) patients
	5 years: grade 1.65 ± 1.0 (p=0.003)		

Values are mean ± SD or n (%). Abbreviations: LVEF, left ventricular ejection fraction; LVEDVI, left ventricular end-diastolic volume index; LVESVI, left ventricular end-systolic volume index; -, not reported; * not specified.

Supplementary Table S2. Functional data of hybrid left ventricular reconstruction

Reference	Naar 2021	Klein 2019	Loforte 2019	Klein 2019	Wang 2021
NYHA class	Baseline: 2.3 ± 0.5 (n=23)	Baseline: 2.6 ± 0.5 (n=35)	Baseline: 3.4 ± 0.6 (n=7)	Baseline: 2.7 ± 0.4 (n=9)	Baseline: 2.7 ± 0.6
	6 months: decrease * (p=0.27; n=20)	6 months: 1.8 ± 0.7 (p=0.001; n=26)	190 ± 105 days: 1.4 ± 0.9 (p=0.001; n=7)	Discharge: 2.3 ± 0.7 (p=0.58; n=8)	9 months: 1.7 ± 0.7 (p<0.001; n=26)
	2 years: decrease* (p=0.11; n=18)	12 months: 1.7 ± 0.6 (p=0.001; n=19)			
	5 years: 1.6 ± 0.7 (p=0.01; n=11)				
6-MWT	Baseline: 381 ± 103 (n=23)	Baseline: 365 ± 90 (n=33)	-	-	Baseline: 369 ± 40 m (n=26)
	6 months: 392 ± 97 (p=ns, n=20)	6 months: 426 ± 99 (p=0.004; n=23)			9 months: 462 ± 61 m (p<0.001; n=26)
	2 years: 432 ± 77 (p=0.06; n=17)	12 months: 450 ± 75 (p=0.002; n=17)			
	5 years: - (p=ns; n=10)				
MLHFQ	Baseline: 22 (n=23)	Baseline: 42 ± 21	-	-	-
		6 months: 18 ± 14 (p<0.001; n=26)			

6 months:	12 months: 26 ±
decrease* (p=0.82;	21 (p=0.001; n=18)
n=19)	
2 years: decrease *	
(p=0.61; n=16)	
5 years: decrease *	
(p=0.91; n=10)	

Values are mean ± SD. Abbreviations: MLHFQ, Minnesota Living with Heart Failure Questionnaire; NYHA, New York Heart Association; 6-MWT, six minute walk test; ns, not significant; -, not reported; *not specified.