

Supplementary Table 1.

Variable	On-pump CABG (n = 26)	Off-pump CABG (n = 32)	P- value
Preoperative parameters			
Male sex, n (%)	25 (96.2)	28 (87.5)	0.243
Age, years	60 ± 5.5	57.4 ± 5.9	0.086
Age ≥ 60 years, n (%)	14 (53.8)	9 (29.1)	0.046
BMI, kg/m ²	26.2 ± 4.3	25.2 ± 2.9	0.328
BMI ≥ 25 Kg/m ² , n (%)	18 (69.2)	14 (43.8)	0.094
Diabetes melitus, n (%)	9 (34.6)	11 (34.4)	1.000
Hypertension, n (%)	16 (61.5)	11 (34.4)	0.072
Smoking, n (%)	17 (65.4)	16 (50)	0.363
Chronic heart failure, n (%)	15 (57.7)	14 (43.8)	0.428
Beta bloker, n (%)	21 (80.8)	32 (100)	0.034
ACEi/ARB, n (%)	23 (88.5)	23 (71.9)	0.221
CCB dyhydroperidin, n (%)	10 (38.5)	5 (15.6)	0.094
Echocardiography parameters			
EF, %	53.5 (15 – 65)	55.5 (18 – 70)	0.110
EF ≤ 40%, n (%)	11 (42.3)	8 (25)	0.265
TAPSE, mm	20 (9 – 29)	20 (13 – 28)	0.968
Left atrial strain, %			
Reservoir strain	23 (7 – 37)	29.3 (14 – 42)	0.049
Conduit strain	11.9 (2.2 – 25.7)	14.1 (5.8 – 28)	0.105
Contraction strain	9.9 (2 – 22.5)	12.2 (5.6 – 23.3)	0.115
PALS < 28%	16 (61.5)	14 (43.8)	0.278
LAVi, mL/m ²	27.5 (11.2 – 55.6)	24.2 (12.7 – 48.5)	0.298
LAVi > 34 mL/m ² , n (%)	9 (34.6)	9 (25)	0.610
E/A	0.87 (0.4 – 1.7)	0.87 (0.5 – 1.8)	0.647
E/e'	9.4 ± 2.4	9.8 ± 1.6	0.425
Laboratory parameters			
Haemoglobin, g/dL	13.6 (10.4 – 16.2)	13.7 (8.2 – 16.5)	0.868
WBC, 10 ³ /μL	10.1 (0.5 – 18.2)	0.8 (0.5 – 16.6)	0.036
Platelet, 10 ³ /μL	270 (173 – 437)	240 (137 – 416)	0.027
Creatinin, mg/dL	1.2 (0.7 – 1.8)	1.1 (0.6 – 2.8)	0.738
Creatinine clearance, mL/min	59.5 (30 – 137)	66 (30 – 118)	0.885
Magnesium	3.6 (1.5 – 4.8)	2.4 (1.4 – 3.8)	0.219
Kalium	3.9 (2.9 – 6.1)	3.7 (3 – 6.1)	0.424
Calcium	8.2 ± 0.5	8.9 ± 0.4	0.000
Perioperative parameters			
IABP, n (%)	5 (19.2)	1 (3.1)	0.117
Graft numbers	3 (2 – 4)	3 (2 – 5)	0.516
Postoperative parameters			
POAF, n (%)	15 (57.7)	4 (12.5)	0.001
Length of stay, days	10 (2 – 28)	7.5 (6 – 20)	0.074
Mortality, n (%)	3 (11.5)	0 (0)	0.084

Supplementary Table 2. Atrial volume index; E/A, ratio of early (E) to late (A) ventricular filling velocities; E/e', ratio of early mitral inflow velocity to mitral annular early diastolic velocity; WBC, white blood cell count; IABP, intra-aortic balloon pump; CPB, cardiopulmonary bypass; AOX, aortic cross-clamp; POAF, postoperative atrial fibrillation; ACEi/ARB, angiotensin-converting enzyme inhibitor/angiotensin receptor blocker; CCB dyhydroperidin, dihydropyridine calcium channel blocker, N/A, not available.

Variable	Total sample (n = 58)
Preoperative parameters	
Male sex, n (%)	53 (91.4)
Age, years	58.6 ± 5.8
Age ≥ 60 years, n (%)	23 (39.7)
BMI, kg/m ²	25.6 ± 3.6
BMI ≥ 25 Kg/m ² , n (%)	32 (55.2)
Diabetes melitus, n (%)	20 (34.5)
Hypertension, n (%)	27 (46.6)
Smoking, n (%)	33 (56.9)
Chronic heart failure, n (%)	29 (50)
Beta bloker, n (%)	53 (91.4)
ACEi/ARB, n (%)	46 (79.3)
CCB dyhydroperidin, n (%)	15 (25.9)
Echocardiography parameters	
EF, %	54.5 (15 – 70)
EF ≤ 40%, n (%)	19 (32.8)
TAPSE, mm	20 (9 – 29)
Left atrial strain, %	
Reservoir strain	26.6 (7.03 – 42)
Conduit strain	12.7 (2.19 – 27.9)
Contraction strain	11.8 (2.03 – 23.3)
LAVi, mL/m ²	24.85 (11.2 – 55.67)
LAVi > 34 mL/m ² , n (%)	17 (29.3)
E/A	0.87 (0.38 – 1.8)
E/e'	9.63 ± 2.00
Laboratory parameters	
Haemoglobin, g/dL	13.7 (8.2 – 16.5)
WBC, 10 ³ /μL	8.9 (4.7 – 18.2)
Platelet, 10 ³ /μL	248 (137 – 437)
Creatinin, mg/dL	1.16 (0.58 – 2.8)
Creatinine clearance,	62.5 (30 – 137)
Magnesium	2.5 (1.36 – 4.82)
Kalium	3.7 (2.9 – 6.1)
Calcium	8.62 ± 0.61
Perioperative parameters	
IABP, n (%)	6 (10.3)
CPB machine, n (%)	
On-pump, n (%)	26 (44.8)

CPB time, minutes	146 ± 29.9
AOX time, minutes	89.2 ± 22.3
Ischemic time, minute	65.8 ± 12.6
Off-pump, n (%)	32 (55.2)
Graft numbers	3 (2 – 5)
Postoperative parameters	
POAF, n (%)	19 (32.8)
Onset of POAF, days	3 (1 – 15)
POAF detection, n (%)	
ICU	13 (68.4)
Ward	4 (21)
Cardiac rehabilitation	2 (10.6)
Length of stay, days	9 (2 – 28)