

**Table 1** Demographics and patient characteristics

Characteristic	All patients (N=55)	Excluding patients with atrial fibrillation (N=50)
Age (years)	70.00 ± 13.92	69.76 ± 14.34
Sex (male/female)	38 (69.1%) / 17 (30.9%)	33 (66.0%) / 17 (34.0%)
Pre-cardiac resynchronization therapy ejection fraction (ultrasound cardiac echo) (%)	35.43 ± 7.54	35.56 ± 6.84
Body surface area (m <sup>2</sup> )	1.65 ± 0.17	1.65 ± 0.17
Ischemic/Non-ischemic	13 (23.6%) / 42 (76.4%)	12 (24.0%) / 38 (76.0%)
Left bundle branch block/non-left bundle branch block (including atrioventricular block)	8 (14.5%) / 47 (85.5%)	4 (8.0%) / 46 (92%)

**Table 2** Comparison between ischemic and non-ischemic groups

Parameter	All patients			Excluding patients with atrial fibrillation		
	Ischemic cardiomyopathy (n=13)	Non-ischemic cardiomyopathy (n=42)	p-value	Ischemic cardiomyopathy (n=12)	Non-ischemic cardiomyopathy (n=38)	p-value
Phase histogram bandwidth	129.31 ± 36.58	98.46 ± 42.60	0.022*	131.75 ± 37.08	95.88 ± 40.98	0.010*
Phase standard deviation	40.58 ± 14.15	29.77 ± 14.11	0.019*	41.59 ± 14.28	28.65 ± 13.37	0.006*
Peak phase	151.62 ± 37.41	139.76 ± 37.01	0.319	149.25 ± 38.05	136.68 ± 35.91	0.303
Ejection fraction (%)	42.04 ± 10.90	47.21 ± 11.84	0.167	40.92 ± 10.58	47.13 ± 11.30	0.099
End-diastolic volume (mL)	189.29 ± 102.80	145.42 ± 64.72	0.071	193.33 ± 106.29	141.38 ± 58.83	0.035*
End-systolic volume (mL)	115.53 ± 80.53	82.44 ± 49.11	0.077	119.94 ± 82.45	79.68 ± 44.70	0.034*

\*statistically significant

**Table 3** Comparison between sex groups

Parameter	All patients			Excluding patients with atrial fibrillation		
	Male (n=38)	Female (n=17)	p-value	Male (n=33)	Female (n=17)	p-value
Phase histogram bandwidth	108.75 ± 39.62	99.06 ± 50.45	0.445	107.29 ± 38.54	99.06 ± 50.45	0.524
Phase standard deviation	33.49 ± 13.35	29.73 ± 17.62	0.387	32.80 ± 12.89	29.73 ± 17.62	0.486
Peak phase	145.42 ± 40.61	136.18 ± 27.74	0.398	141.52 ± 40.48	136.18 ± 27.74	0.629
Ejection fraction (%)	44.71 ± 11.79	48.84 ± 11.44	0.231	43.99 ± 11.11	48.84 ± 11.44	0.154
End-diastolic volume (mL)	165.89 ± 78.85	133.23 ± 68.51	0.146	164.47 ± 77.24	133.23 ± 68.51	0.166
End-systolic volume (mL)	97.65 ± 61.98	73.75 ± 49.20	0.167	97.37 ± 60.86	73.75 ± 49.20	0.173