

For a study population of 80 patients (40M, 40F) with a low pre-test likelihood for coronary artery disease ( $\leq 5\%$ ), the following normal ranges were computed for 4D-MSPECT using myocardial perfusion SPECT images with a Tc-99m labeled radiotracer. Values from the Cedar's quantitative software package, QGS, are provided for comparison.

## Normal LV Function Values for 16 Frame SPECT Studies

	4D-MSPECT		Cedars QGS	
	Male	Female	Male	Female
EF	66±7	72±6	59±6	67±7
EDv	133±32	84±19	126±32	80±19
EDv/BSA	66±16	48±10	62±16	46±10
ESv	46±18	24±9	52±19	27±11
ESv/BSA	23±9	14±5	26±10	16±6
Mass	164±22	126±16	N/A	N/A
Mass/BSA	82±11	72±8		

## Normal LV Function Values for 8 Frame SPECT Studies

	4D-MSPECT		Cedars QGS	
	Male	Female	Male	Female
EF	59±6	68±6	53±6	62±7
EDv	123±30	80±19	123±32	79±19
EDv/BSA	61±15	46±10	61±16	45±10
ESv	51±20	26±9	59±19	31±11
ESv/BSA	26±10	15±5	30±10	17±6
Mass	155±21	122±16	N/A	N/A
Mass/BSA	78±10	70±8		

The following table lists normal values for LV parameters from several different studies obtained by contrast ventriculography in adult patients.

## Normal Contrast Ventriculography Variables

Investigator	Angiographic Method	Number of Patients	EDV (ml/m <sup>2</sup> )	ESV (ml/m <sup>2</sup> )	EF	Wall Thickness (mm)	Mass (g)
Wynne et al.	Biplane cine RAO-LAO	17	72 ± 15	20 ± 8	0.72 ± 0.08		
Kennedy et al.	Biplane serial AP and Lat.	16	70 ± 20	24 ± 10	0.67 ± 0.07	10.9 ± 2.0	164 ± 42
Hood	Biplane serial AP and Lat.	6	79 ± 11	28 ± 6	0.67 ± 0.07	8.5 ± 1.3	164 ± 35
Hermann	Biplane serial AP and Lat.	6	71 ± 20	30 ± 10	0.58 ± 0.05		

*Adapted from Cardiac Catheterization and Angiography. Third Edition. Edited by William Grossman, M.D. Lea & Febiger, Philadelphia, Pa. 1986.*