

Clinical Volumes – Manual segmentation

Difference	Mean	Relative [%]	Speed up factor
Myocardium clinical segmentation			3 to 4 times
EDV [μl]	-2.44±8.77	-1.56±6.50	
ESV [μl]	0.71±4.60	3.08±6.72	
SV [%]	-3.15±6.89	-3.71±9.58	
EF [%]	-1.44±2.62	-2.12±4.52	
LVM [g]	2.47±5.03	2.27±5.04	
Myocardium pre-clinical segmentation			3 to 4 times
EDV [μl]	3.46±2.82*	6.54±5.22	
ESV [μl]	1.74±1.32*	5.40±4.29	
SV [%]	1.73±1.90*	9.43±8.89	
EF [%]	0.89±2.02	3.26±5.81	
LVM [mg]	-4.06±4.04*	-5.39±5.32	
Heart ischemia segmentation			2 times
	1.49±2.78	4.01±8.06	
Brain ischemia segmentation			2 times
	-0.03±0.75	0.32±5.82	
Adipose tissue mass segmentation			3 to 4 times
	-0.07±0.29	-1.36±5.73	

Note: The mean difference is calculated as mean of semi-automatic segmentation (observer A)–manual segmentation (observer A). This difference is divided by the mean of both to obtain the mean difference in percent. *P < 0.05 CardioVis versus manual segmentation.