

Table 1: The actual and measured values using CUS and Lilium200- α and their errors relative to the actual values

Variables for accuracy	CUSVe	CUSVs	LiVmea	LiVmax	Actual volume
PVR \leq 50ml (n=147)					
Measured value	10 \pm 13	11 \pm 14	23 \pm 31	36 \pm 34	21 \pm 15
EV	-11 \pm 13	-10 \pm 13	2 \pm 32	16 \pm 32	
%EV	-50 \pm 64	-46 \pm 72	48 \pm 198	169 \pm 340	
AEV	13 \pm 10	13 \pm 10	18 \pm 26	23 \pm 27	
A%EVR	72 \pm 38	72 \pm 43	111 \pm 171	196 \pm 324	
50<PVR \leq 100ml (n=48)					
Measured value	42 \pm 29	43 \pm 30	61 \pm 60	87 \pm 70	69 \pm 13
EV	-27 \pm 29	-26 \pm 30	-8 \pm 56	18 \pm 67	
%EV	-39 \pm 41	-37 \pm 43	-14 \pm 74	24 \pm 89	
AEV	32 \pm 24	31 \pm 23	46 \pm 32	50 \pm 47	
A%EVR	47 \pm 0.32	45 \pm 0.32	65 \pm 36	69 \pm 61	
PVR>100ml (n=29)					
Measured value	175 \pm 129	178 \pm 127	157 \pm 82	200 \pm 104	226 \pm 122
EV	-47 \pm 35	-43 \pm 36	-68 \pm 94	-25 \pm 96	
%EV	-24 \pm 18	-21 \pm 16	-25 \pm 34	-5 \pm 45	
AEV	50 \pm 29	47 \pm 29	78 \pm 85	79 \pm 58	
A%EVR	26 \pm 15	23 \pm 13	32 \pm 27	38 \pm 23	

Data were expressed as mean \pm SD

EV: error volume,AEV: absolute value of EV, A%EV: absolute value of %EV

CUSVe, CUSVs: Volume measured by conventional US and calculated by ellipsoid formula or spherical formula

LiVmax, LiVmea: Maximum or mean volume measured by the Lilium200- α

Pairwise comparisons were performed between the two methods of measurement at each PVR range by the Wilcoxon's rank-sum test.

Significant differences were found in all the pairwise comparisons of AEV and A%EV, which were identified as relevant indicators for measurement error.