

Table 1 : Comparison of the measurements by PUS and catheter under anesthesia.

Measurement method	n	Mean (mL)	S.D. (mL)	Median (mL)	Min-max (mL)	Wilcoxon signed rankt test	Spearman's correlation coefficient	p
PUS	185	41	52	30	0-350	0.976	0.873	<0.001
Catheter	185	43	64	23	0-640			

Table 2: Comparison of volume measurements by PUS and infused fluid by VUD device at different EBC percentiles.

Bladder fullness	%25 of EBC		%50 of EBC		%75 of EBC		%100 of EBC	
Number of patients*	35		34		26		16	
	Infused volume	Volume by PUS	Infused volume	Volume by PUS	Infused volume	Volume by PUS	Infused volume	Volume by PUS
Mean±SD (mL)	72±21	77±28	143±42	147±47	203±66	197±68	259±103	270±124
Median (min-max) (mL)	75 (22-100)	75 (27-146)	143 (45-200)	145 (43-245)	202 (67-300)	203 (60-310)	270 (90-400)	263 (85-570)
P values of related sample comparison tests	0.566 ^a		0.197 ^b		0.438 ^b		0.366 ^b	
Correlation coefficients	0.839 ^c		0.934 ^d		0.935 ^d		0.938 ^d	
p	<0.001		<0.001		<0.001		<0.001	

*: Number of patients those reached the aimed bladder fullness,

EBC: estimated bladder capacity

a: Wilcoxon signed rank test, b: Paired sample T test, c: Spearman correlation coefficient, d: Pearson correlation coefficient

Table 3: Correlations of prevoiding and postvoiding volume measurements by PUS in supine and standing positions.

Measurement position	n	Mean (mL)	S.D. (mL)	Median (mL)	Min-max (mL)	Spearman's correlation coefficient	p
Pre-voiding (standing)	211	243	149	205	45-775	0.968	<0.001
Pre-voiding (supine)	211	249	150	212	50-780		
Post-voiding (standing)	211	29	42	16	0-278	0.967	<0.001
Post-voiding (supine)	211	29	41	18	0-272		