



Study CONSORT flow chart

Baseline characteristics

Demographic data	ROTEM group (n = 16)		Classic group (n = 16)		p
	No.	%	No.	%	
Age (years)					
Mean ± SD.	50.56 ± 12.38		52.06 ± 12.90		0.740
Sex					
Male	10	62.5	13	81.3	0.433
Female	6	37.5	3	18.8	
ASA Status					
II	13	81.3	14	87.5	0.626
III	3	18.7	2	12.5	
BMI (kg/m²)					
Mean ± SD.	28.40 ± 3.51		26.76 ± 3.14		0.172

Blood products (units) requirements in both groups

		ROTEM group (n = 16)	Classic group (n = 16)	p
RBCS (units)	Post bypass			
	Mean ± SD.	0.63 ± 0.89	0.94 ± 1.12	0.539
	Median (Min. – Max.)	0.0 (0.0 – 2.0)	0.0 (0.0 – 3.0)	
	1st 24 hours			
FFP (units)	Mean ± SD.	0.0 ± 0.0	0.13 ± 0.34	0.564
	Median (Min. – Max.)	0.0 (0.0 – 0.0)	0.0 (0.0 – 1.0)	
	Post bypass			
	Mean ± SD.	4.19 ± 2.20	5.38 ± 1.41	0.270
PLT (units)	Median (Min. – Max.)	5.0 (0.0 – 6.0)	6.0 (4.0 – 8.0)	
	1st 24 hours			
	Mean ± SD.	0.19 ± 0.75	5.50 ± 1.75	<0.001*
	Median (Min. – Max.)	0.0 (0.0 – 3.0)	6.0 (2.0 – 8.0)	
	Post bypass			
	Mean ± SD.	0.38 ± 1.50	5.25 ± 3.71	<0.001*
	Median (Min. – Max.)	0.0 (0.0 – 6.0)	6.0 (0.0 – 12.0)	
	1st 24 hours			
	Mean ± SD.	0.0 ± 0.0	1.50 ± 3.46	0.381
	Median (Min. – Max.)	0.0 (0.0 – 0.0)	0.0 (0.0 – 12.0)	

Amount of blood loss (ml) in both groups

Blood loss (ml)	ROTEM group (n = 16)	CLASSIC group (n = 16)	p
Mean ± SD.	443.75 ± 203.2	568.8 ± 308.69	0.186
Median (Min. – Max.)	475.0 (100.0 – 800.0)	475.0 (200.0 – 1250.0)	

Agreement (sensitivity, specificity, and accuracy) for ACT in ROTEM group (n = 16)

Anti-factor XA					Sensitivity	Specificity	PPV	NPV	Accuracy
Non residual (n = 4)		Residual (n = 12)							
No.	%	No.	%						
ACT (seconds)									
Non residual	4	100.0	7	58.3	41.67	100.0	100.0	36.36	56.25
Residual	0	0.0	5	41.7					
P	2.424 (0.245)								

Agreement (sensitivity, specificity, and accuracy) for INTEM CT/HEPTEM CT ratio in ROTEM group (n = 16)

Anti-factor XA					Sensitivity	Specificity	PPV	NPV	Accuracy
INTEM CT/HEPTEM CT ratio	Non residual (n = 4)		Residual (n = 12)						
	No.	%	No.	%					
ROTEM >1.25									
Non residual	4	100.0	11	91.7	8.33	100.0	100.0	26.67	31.25
Residual	0	0.0	1	8.3					
P	0.356 (1.000)								
ROTEM >1.0									
Non residual	1	25.0	4	33.3	66.67	25.0	72.73	20.0	56.25
Residual	3	75.0	8	66.7					
P	0.097 (1.000)								
ROTEM >1.1									
Non residual	4	100.0	9	75.0	25.0	100.0	100.0	30.77	43.75
Residual	0	0.0	3	25.0					
P	1.231 (0.529)								