



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 | | | |
| 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) | | |
| FFP (units) | Post bypass | | | |
| | Mean ± SD. | 4.19 ± 2.20 | 5.38 ± 1.41 | 0.270 |
| | 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) | | |
| PLT (units) | 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)

| INTEM CT/HEPTEM CT ratio | Anti-factor XA | | | | Sensitivity | Specificity | PPV | NPV | Accuracy |
|-----------------------------|-------------------------|-------|----------------------|------|-------------|-------------|-------|-------|----------|
| | 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) | | | | | | | | |