**General characteristics of the study patients**

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| --- | --- | --- |
| **Parameter** | **Values** | **P value** |
| Age, years | 60.4 ± 6.7 |  |
| Gender M / F, N | 91 / 24 |  |
| Diabetes mellitus, % | 21.7 |  |
| Duration of surgery, min | 174.3 ± 38.9 |  |
| Euroscore II, % | 1.01 [0.75; 1.38] |  |
| Preoperative hemodynamic parameters: | | |
| ESV at baseline, mL | 53.8 [44.7; 73.0] |  |
| EDV at baseline, mL | 114.3 ± 34.2  109.0 [90.0; 134.7] |  |
| GLS preoperative, % | -14.6 ± 2.5 |  |
| CI preoperative, L/min/m2 | 1.58 ± 0.33 |  |
| Postoperative hemodynamic parameters: | | |
| ESV at the end of POD1, mL | 50.6 [40.0; 71.2] | 0.007\* |
| EDV at the end of POD1, mL | 94.0 ± 32.5  87.1 [68.4; 115.1] | < 0.001\* |
| GLS at the end of POD1, % | -11.7 ± 2.6 | < 0.001\* |
| CI postoperative, L/min/m2 | 1.84 [1.47; 2.34] | < 0.001\* |
| CI at the end of POD1, L/min/m2 | 2.54 ± 0.48 | < 0.001\* |
| HRtd at the end of POD1, bpm | 78.4 ± 10.2 |  |
| SVItd at the end of POD1, mL/m2 | 32.4 ± 6.6 |  |
| HRecho at the end of POD1, bpm | 79.1 ± 10.4 |  |
| SVIecho at the end of POD1, mL/m2 | 19.9 ± 7.6 |  |
| VTIlvo at the end of POD1, cm | 15.4 ± 2.9 |  |
| TnT turnaround during the first 24 hours, times | 16.0 [9.6; 24.5] |  |

CI, cardiac index; EDV, end diastolic volume; ESV, end systolic volume; Euroscore II, the risk of death at 28 days assessed with Euroscore II scale; GLS, global longitudinal strain; HRecho, heart rate assessed by echocardiography; HRtd, heart rate assessed by thermodilution; POD1, the first 2٤ hours postoperatively; SVIecho, stroke volume index assessed by echocardiography; SVItd, stroke volume index assessed by thermodilution; TnT, troponin Т, VTIlvo, the left ventricular outflow tract velocity – time integral

The values are given as arithmetic mean and standard deviation (M ± SD) and/or median and interquartile range (Me [Q25; Q75])

\* Compared to baseline