**Supplementary Material**

Supplementary Table S1. Preoperative and operative characteristics in the study population.

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| --- | --- | --- | --- |
| Variables | OR extubation (n=124) | ICU extubation (n=91) | p-value |
| Age (month) | 38.0 (18.9-67.6) | 22.9 (13.9-59.2) | 0.230 |
| Weight (kg) | 13.4 (10.3-18.5) | 12.3 (9.1-19.3) | 0.539 |
| Height (cm) | 101.4 ± 27.7 | 95.8 ± 28.6 | 0.146 |
| BSA (m2) | 0.7 ± 0.4 | 0.7 ± 0.4 | 0.368 |
| Male | 64 (51.6%) | 52 (57.1%) | 0.422 |
| History of cardiac surgery | 5 (4.0%) | 3 (3.3%) | 0.999 |
| CPB time (min) | 95.1 ± 28.5 | 100.0 ± 40.4 | 0.371 |
| ACC time (min) | 58.1 ± 21.8　 | 61.2 ± 31.7　 | 0.390 |

\* Values are presented as mean ± standard deviation, median with interquartile range, or n (%).

OR, operating room; ICU, intensive care unit; BSA, body surface area; CPB, cardiopulmonary bypass; ACC, aortic cross-clamp.

Supplementary Table S2. Performed procedures for congenital heart diseases in the study population.

|  |  |  |  |
| --- | --- | --- | --- |
| Procedures | OR extubation (n=124) | ICU extubation (n=91) | p-value |
| ASD patch closure | 62 (50.0%) | 45 (49.5%) | 0.937 |
| VSD patch closure | 50 (40.3%) | 39 (42.9%) | 0.709 |
| PAPVR repair | 4 (3.2%) | 2 (2.2%) | 0.999 |
| BCPS | 0 (0.0%) | 2 (2.2%) | 0.178 |
| PVR | 3 (2.4%) | 1 (1.1%) | 0.639 |
| Other valve surgery | 4 (3.2%) | 1 (1.1%) | 0.399 |
| Multiple procedures | 47 (37.9%) | 34 (37.4%) | 0.936 |

\* Values are presented as n (%).

OR, operating room; ICU, intensive care unit; ASD, atrial septal defect; VSD, ventricular septal defect; PAPVR, partial anomalous pulmonary venous return; BCPS, bidirectional cavopulmonary shunt; PVR, pulmonary valve replacement.