**Supplemental Material**

**Blood stream infection in patients on venovenous extracorporeal membrane oxygenation for respiratory failure**

Soo Jin Na,1 Chi Ryang Chung,1 Hee Jung Choi,2 Yang Hyun Cho,3 Jeong Hoon Yang,1,4 Gee Young Suh,1,5 Kyeongman Jeon,1,5

1Department of Critical Care Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

2Intensive Care Unit Nursing Department, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

3Department of Thoracic and Cardiovascular Surgery, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

4Division of Cardiology, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

5Division of Pulmonary and Critical Care Medicine, Department of Medicine, Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea

**Supplemental Figure. Trends in blood stream infection rate according to the duration of venovenous extracorporeal membrane oxygenation for respiratory failure**



**Supplemental Table 1. Clinical outcomes**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Non-BSI(n=100) | BSI(n=21) | *P* value |
| Successful weaning from VV ECMO | 60 (60) | 5 (25) | 0.003 |
| MortalityHospitalIntensive care unit | 58 (58)55 (55) | 16 (76)16 (76) | 0.1200.073 |
| Total duration of ECMO, days SurvivorNon-survivor | 13 (7-23)10 (6-19)15 (7-25) | 23 (10-32)34 (18-98)22 (9-27) | 0.0100.0280.159 |
| Total duration of MV, days SurvivorNon-survivor | 18 (10-33)17 (8-34)19 (11-33) | 18 (14-33)40 (26-289)18 (10-25) | 0.4430.0340.636 |
| Length of stay, daysHospitalSurvivor Non-survivorIntensive care unitSurvivorNon-survivor | 39 (24-66)50 (33-93)34 (21-48)29 (16-41)31 (17-48)29 (16-37) | 29 (20-62)69 (39-119)27 (14-40)25 (15-41)41 (28-109)25 (11-32) | 0.3200.4170.2400.8320.1470.321 |

Data are presented as number of patients (percentage) or median (interquartile range).

BSI indicates bloodstream infection; ECMO, extracorporeal membrane oxygenation; MV, mechanical ventilation; VV, venovenous.