**Table, Supplemental Digital Content 2: Clinical and Laboratory Characteristics at Time of Blood Sampling**

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| **Variablea** | **Controls** | **Sepsis (Day 1-2)** | **Sepsis (Day 3-5)** | **Sepsis (Day 8-14)** |
| N | 18 | 161 | 120 | 80 |
| PELOD score | 0 (0-0) | 11 (10-12) | 7 (1-11) | 7 (0-11) |
| No. of organ dysfunctions | 0 (0-0) | 2 (2-3) | 1 (1-2) | 1 (0-2) |
| WBC (1,000/μL) | 12.5 (9.1-13.8) | 11.1 (6.9-16.6) | 9.4 (6.1-16.6) | 12.1 (8.2-15.1) |
|  PBMC (per μL) | 3341 (1998-4275) | 1861 (1112-3280) | 2624 (1397-3385) | 3089 (2290-4979) |
|  Lymphocytes (per μL) | 2030 (1044-2375) | 1244 (663-2024) | 1560 (828-2400) | 1943 (1172-3413) |
|  Monocytes (per μL) | 1058 (518-1393) | 515 (270-993) | 605 (276-1051) | 956 (577-1458) |
| Lactate (mmol/L) | NA | 1.6 (1.1-2.3) | 1.5 (1.1-1.9) | 1.4 (1.1-2.0) |
| Therapies |  |  |  |  |
|  Non-invasive ventilation | 0 | 16 (10) | 8 (7) | 10 (13) |
|  Invasive ventilation | 0 | 106 (66) | 75 (63) | 36 (45) |
|  Blood transfusionb | 5 (28) | 38 (24) | 16 (13) | 10 (13) |
|  Vasoactive medication | 0 | 80 (50) | 30 (25) | 13 (16) |
|  Inotrope score | 0 | 8 (5-15) | 5 (3-8) | 3 (3-10) |
|  Corticosteroids | 1 (6) | 79 (49) | 53 (44) | 31 (39) |

PELOD, pediatric logistic organ dysfunction; WBC, white blood cell count; PBMC, peripheral blood mononuclear cells; ScvO2, central venous oxygen saturation

aData presented as median (interquartile range) or n (%)

bPacked red blood cell, platelet, fresh frozen plasma, or cryoprecipitate transfusion in the preceding 24 hours