**Supplemental Table 1. Categorical comparison of biomarker values following suspected sepsis.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Biomarker** | **Time (hours)** | **Acute 14-Day Mortality** | **Total In-Hospital Mortality** |
| **Mortality** | **Median (IQR)** | **p-value** | **Mortality** | **Median (IQR)** | **p-value** |
| A2M(mg/dL) | 0 | NO | 102.45 (50.97) | 0.672 | NO | 104.65 (53.38) | 0.855 |
| YES | 110.52 (37.18) | YES | 99.18 (41.82) |
| 24 | NO | 83.2 (46.84) | 0.274 | NO | 83.14 (51.93) | 0.559 |
| YES | 90.51 (37.4) | YES | 86.59 (38.45) |
| 48 | NO | 80.88 (48.13) | 0.274 | NO | 81.32 (51.92) | 0.906 |
| YES | 94.9 (31.24) | YES | 90.92 (36.22) |
| 72 | NO | 89.71 (41.02) | 0.411 | NO | 89.78 (42.75) | 0.982 |
| YES | 95.64 (33.6) | YES | 89.71 (34.02) |
| CRP(mg/L) | 0 | NO | 75.02 (103) | 0.977 | NO | 85.53 (115.22) | 0.249 |
| YES | 71.47 (137.31) | YES | 57.49 (81.24) |
| 24 | NO | 109.92 (111.04) | 0.145 | NO | 117.77 (110.23) | 0.123 |
| YES | 78.03 (102.87) | YES | 86.42 (102.09) |
| 48 | NO | 91.35 (89.89) | 0.677 | NO | 97.29 (96.47) | 0.279 |
| YES | 92.1 (97.92) | YES | 84.87 (68.71) |
| 72 | NO | 70.8 (82.51) | 0.605 | NO | 69.82 (106.54) | 0.626 |
| YES | 89.61 (104.3) | YES | 83.8 (55.49) |
| FER(ng/mL) | 0 | NO | 97.65 (291.51) | 0.222 | NO | 95.4 (269.64) | 0.104 |
| YES | 149.55 (233.68) | YES | 137.82 (338.61) |
| 24 | NO | 148.62 (359.98) | 0.422 | NO | 141.57 (303.86) | 0.106 |
| YES | 181.75 (215.46) | YES | 192.72 (377.19) |
| 48 | NO | 158.64 (314.09) | 0.227 | NO | 152.88 (285.79) | 0.039\* |
| YES | 175.84 (317.62) | YES | 180.84 (516.97) |
| 72 | NO | 127.79 (301.18) | 0.046\* | NO | 121.03 (231.08) | 0.007\* |
| YES | 223.81 (290.32) | YES | 233.87 (361.77) |
| FIB(µg/mL) | 0 | NO | 5.94 (2.84) | 0.127 | NO | 5.8 (2.69) | 0.039\* |
| YES | 6.53 (4.73) | YES | 6.69 (3.76) |
| 24 | NO | 6.04 (3.44) | 0.360 | NO | 5.75 (3.42) | 0.154 |
| YES | 6.49 (2.73) | YES | 6.76 (3.02) |
| 48 | NO | 5.96 (3.57) | 0.397 | NO | 5.88 (3.31) | 0.269 |
| YES | 5.82 (3.04) | YES | 5.94 (3.37) |
| 72 | NO | 5.43 (2.99) | 0.133 | NO | 5.31 (2.58) | 0.048\* |
| YES | 5.85 (4.64) | YES | 6.64 (4.93) |
| HAP(mg/dL) | 0 | NO | 99.78 (119.43) | 0.386 | NO | 99.78 (143.03) | 0.460 |
| YES | 99.78 (70.83) | YES | 99.78 (69.45) |
| 24 | NO | 99.78 (86.3) | 0.270 | NO | 99.78 (96.84) | 0.311 |
| YES | 99.78 (81.59) | YES | 99.78 (73.33) |
| 48 | NO | 99.78 (148.03) | 0.104 | NO | 99.78 (201.28) | 0.228 |
| YES | 52.43 (147.61) | YES | 99.78 (125.47) |
| 72 | NO | 99.78 (182.52) | 0.210 | NO | 99.78 (181.43) | 0.482 |
| YES | 67.78 (129.93) | YES | 99.78 (140.03) |
| PCT(ng/mL) | 0 | NO | 1.06 (5.21) | 0.310 | NO | 0.85 (6.58) | 0.223 |
| YES | 1.58 (3.79) | YES | 1.58 (2.28) |
| 24 | NO | 2.26 (12.94) | 0.929 | NO | 2.35 (16.5) | 0.996 |
| YES | 1.63 (2.44) | YES | 1.76 (2.65) |
| 48 | NO | 1.92 (10.22) | 0.282 | NO | 1.92 (11.2) | 0.433 |
| YES | 2.55 (2.31) | YES | 2.08 (2.92) |
| 72 | NO | 1.31 (6.46) | 0.098 | NO | 1.34 (8.64) | 0.124 |
| YES | 2.15 (2.33) | YES | 1.75 (3.36) |
| SAA(µg/mL) | 0 | NO | 13.51 (15.39) | 0.809 | NO | 13.35 (14.94) | 0.859 |
| YES | 14.16 (8.98) | YES | 14.17 (17.71) |
| 24 | NO | 14.87 (17.72) | 0.568 | NO | 14.82 (18.22) | 0.454 |
| YES | 13.97 (17.1) | YES | 15.1 (15.96) |
| 48 | NO | 16.99 (19.81) | 0.091 | NO | 17.19 (22.65) | 0.194 |
| YES | 11.94 (9.38) | YES | 14.01 (11.07) |
| 72 | NO | 14.39 (18.7) | 0.276 | NO | 14.26 (19.16) | 0.602 |
| YES | 10.94 (13.11) | YES | 14.19 (13.34) |
| SAP(mg/L) | 0 | NO | 36.31 (21.98) | 0.032\* | NO | 36.14 (24.56) | 0.046\* |
| YES | 27.57 (24.48) | YES | 29.92 (25.96) |
| 24 | NO | 34.74 (20.25) | 0.020\* | NO | 35.4 (20.85) | 0.007\* |
| YES | 26.6 (12.59) | YES | 28.57 (16.23) |
| 48 | NO | 37.12 (22.95) | 0.005\* | NO | 38.28 (23.35) | <0.001\* |
| YES | 28.17 (14.69) | YES | 28.51 (18.97) |
| 72 | NO | 39.12 (21.39) | 0.015\* | NO | 42.83 (22.65) | <0.001\* |
| YES | 29.22 (21.22) | YES | 30.16 (22.17) |
| TPA(ng/mL) | 0 | NO | 6.76 (5.66) | 0.039\* | NO | 6.67 (4.35) | 0.001\* |
| YES | 8.97 (4.63) | YES | 9.56 (8.39) |
| 24 | NO | 6.07 (5.48) | 0.095 | NO | 5.9 (4.49) | 0.021\* |
| YES | 8.51 (3.61) | YES | 8.58 (4.98) |
| 48 | NO | 6.1 (5.28) | 0.028\* | NO | 5.76 (3.62) | 0.003\* |
| YES | 7.9 (5.81) | YES | 8.25 (6.63) |
| 72 | NO | 5.67 (4.3) | 0.002\* | NO | 5.33 (4.02) | 0.001\* |
| YES | 9.25 (4.36) | YES | 8.17 (6.9) |

The median (interquartile range) of each biomarker is shown at the time of meeting SIRS criteria, 24-hours, 48-hours, and 72-hours thereafter. Wilcoxon rank-sum testing identifies significant differences between acute (within 14 days) versus no-acute mortality groups, and between total in-hospital mortality versus no-mortality groups. Significant p-values are highlighted (\*).