Lower respiratory tract infection and short-term outcome in patients with acute respiratory distress syndrome

Supplemental Electronic File
e-Table 1 – Comparison between Non-ARDS and ARDS patients

|                                | Non-ARDS | ARDS    | p     |
|--------------------------------|----------|---------|-------|
| Number of Patients             | 2436     | 524     |       |
| Age (mean ± SD)                | 61.7 ± 16.9 | 61.7 ± 16.2 | 0.990 |
| Male Gender, n (%)             | 1539 (63.2) | 310 (59.2) | 0.094 |
| Admission Type, n (%)          |          | <0.001  |       |
| Medical                        | 1484 (60.9) | 404 (77.1) |       |
| Surgical                       | 453 (18.6)  | 91 (17.4)   |       |
| Trauma                         | 499 (20.5)  | 29 (5.5)    |       |
| SAPS2 (mean ± SD)              | 50.6 ± 18.5 | 51.07 ± 19.0 | 0.616 |
| Barthel (mean ± SD)            | 82.2 ± 31.2 | 83.9 ± 28.8 | 0.258 |
| SOFA (mean ± SD)               | 7.9 ± 3.8   | 8.9 ± 3.9   | <0.001|
| COPD, n (%)                    | 423 (17.4)  | 71 (13.5)   | 0.039 |
| Chronic Renal Failure, n (%)   | 220 (9.0)   | 73 (13.9)   | 1.000 |
| Diabetes, n (%)                | 446 (18.3)  | 122 (23.3)  | 0.010 |
| Alcoholism, n (%)              | 311 (12.8)  | 47 (9.0)    | 0.019 |
| Non-metastatic cancer, n (%)   | 239 (9.8)   | 57 (10.9)   | 0.510 |
| Metastatic Cancer, n (%)       | 97 (4.0)    | 15 (2.9)    | 0.275 |
| Hematologic Cancer, n (%)      | 87 (3.6)    | 36 (6.9)    | 0.001 |
| AIDS, n (%)                    | 42 (1.7)    | 7 (1.3)     | 0.658 |
| Worsening X Ray, n (%)         | 347 (14.2)  | 75 (14.3)   | 1.000 |
| Worsening Gas Exchange, n (%)  | 383 (15.7)  | 90 (17.2)   | 0.449 |
| Time to Infection (median [IQR]) | 6.0 [4.0, 10.0] | 7.0 [4.0, 12.0] | 0.011 |
| VA-LRTI (%)                    |          | 0.333     |       |
| None                           | 1857 (76.2)| 414 (79.0) |       |
| VAT                            | 266 (10.9) | 54 (10.3)  |       |
| VAP                            | 313 (12.8) | 56 (10.7)  |       |
| Mortality, n (%)               | 716 (29.4) | 196 (37.4) | <0.001|
c-Figure 1 – ICU Length-of-stay according to occurrence of VA-LRTI in patients with and without ARDS

A - ICU LOS according to VAT/VAP

B - ICU LOS according to VA-LRTI

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c-Figure 2 – Duration of mechanical ventilation according to occurrence of VA-LRTI in patients with and without ARDS

A - MV duration according to VAT/VAP

B - MV duration according to VA-LRTI
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