**Supplemental Table 1a. Baseline characteristics for matching cohorts when comparing length of hospitalization in non-severe and severe COVID-19 cases**

|  |  |  |
| --- | --- | --- |
|  | **Before matching** | **After matching** |
| **Variables** | **Corticosteroid group**  | **Non-corticosteroid group**  | ***p-*value** |  | **Corticosteroid group** | **Non-corticosteroid group**  | ***p-*value** |  |
| **Non-severe group** |  |  |  |  |  |  |
| **Number of cases** | 64 | 304 |  | 60 | 60 |  |
| **Age (years)****Sex, male****Any comorbidity** | 49.5 (39.0-61.0)34 (53.1)19 (29.7) | 41.0 (32.0-50.0)146 (48.0)60 (19.7) | 0.0010.4580.078 | 47.9±13.631 (51.7)16 (26.7) | 47.9±14.030 (50.0)18 (30.0) | 0.9950.8550.685 |
| **Severe group** |  |  |  |  |  |  |
| **Number of cases** | 59 | 20 |  | 20 | 20 |  |
| **Age (years)****Sex, male****Any comorbidity** | 54.1±15.633 (55.9)30 (50.8) | 64.5±14.112 (60.0)17 (85.0) | 0.0100.7510.007 | 64.2±13.012 (60.0)17 (85.0) | 64.5±14.112 (60.0)17 (85.0) | 0.9441.0001.000 |

**Notes:** Values are presented as median (IQR), mean ± SD or number; p values were compared by Chi-square test, Fisher’s exact test, independent sample T test, or Mann-Whitney U test.

**Supplemental Table 1b. Baseline characteristics for matching cohorts when comparing length of viral shedding in non-severe and severe COVID-19 cases**

|  |  |  |
| --- | --- | --- |
|  | **Before matching** | **After matching** |
| **Variables** | **Corticosteroid group**  | **Non-corticosteroid group**  | ***p-*value** |  | **Corticosteroid group** | **Non-corticosteroid group**  | ***p-*value** |  |
| **Non-severe group** |  |  |  |  |  |  |
| **Number of cases** | 63 | 244 |  | 55 | 55 |  |
| **Age (years)****Sex, male****Any comorbidity** | 50.0 (39.0-61.0)34 (54.0)19 (30.2) | 41.0 (33.0-50.0)106 (43.4)48 (19.7) | 0.0020.3630.072 | 47.0±13.827 (49.1)14 (25.5) | 47.0±12.825 (45.5)17 (30.9) | 0.9890.7020.525 |
| **Severe group** |  |  |  |  |  |  |
| **Number of cases** | 53 | 12 |  | 11 | 11 |  |
| **Age (years)****Sex, male****Any comorbidity** | 54.4±15.730 (56.6)28 (52.8) | 69.1±14.36 (50.0)10 (83.3) | 0.0040.6780.107 | 72.0 (54.0-80.0)5 (45.5)10 (90.9) | 74.0(58.0-78.0)6 (54.5)9 (81.8) | 0.9470.6701.000 |

**Notes:** Values are presented as median (IQR), mean ± SD or number; p values were compared by Chi-square test, Fisher’s exact test, independent sample T test, or Mann-Whitney U test.