| **Characteristic** | **Univariable OR (95% CI)**1 | **p value** | **Multivariable OR (95% CI)**1 | **p value** | **GVIF**1 | **Adjusted GVIF**12 |
| --- | --- | --- | --- | --- | --- | --- |
| **Age (years)** |  |  |  |  | 1.2 | 1.1 |
| < 61 | — |  | — |  |  |  |
| >= 61 | 2.80 (1.63 to 4.90) | **<0.001** | 1.71 (0.77 to 3.83) | 0.188 |  |  |
| **Sex** |  |  |  |  |  |  |
| Female | — |  |  |  |  |  |
| Male | 0.79 (0.45 to 1.37) | 0.394 |  |  |  |  |
| **Obesity** |  |  |  |  | 1.2 | 1.1 |
| No | — |  | — |  |  |  |
| Yes | 0.40 (0.17 to 0.89) | **0.030** | 0.38 (0.11 to 1.23) | 0.114 |  |  |
| **Hypertension** |  |  |  |  | 1.3 | 1.1 |
| No | — |  | — |  |  |  |
| Yes | 1.83 (1.05 to 3.21) | **0.035** | 1.37 (0.59 to 3.21) | 0.471 |  |  |
| **Fever** |  |  |  |  |  |  |
| No | — |  |  |  |  |  |
| Yes | 1.63 (0.94 to 2.84) | 0.082 |  |  |  |  |
| **Dry cought** |  |  |  |  |  |  |
| No | — |  |  |  |  |  |
| Yes | 1.39 (0.74 to 2.66) | 0.305 |  |  |  |  |
| **Tachypnea** |  |  |  |  | 1.5 | 1.2 |
| No | — |  | — |  |  |  |
| Yes | 0.49 (0.27 to 0.86) | **0.015** | 1.11 (0.45 to 2.81) | 0.816 |  |  |
| **Dyspnea** |  |  |  |  | 1.4 | 1.2 |
| No | — |  | — |  |  |  |
| Yes | 5.59 (2.04 to 19.70) | **0.002** | 7.68 (1.77 to 40.89) | **0.010** |  |  |
| **Lung crackles** |  |  |  |  | 1.7 | 1.3 |
| No | — |  | — |  |  |  |
| Yes | 0.38 (0.22 to 0.66) | **<0.001** | 0.21 (0.08 to 0.55) | **0.002** |  |  |
| **Respiratory rate** |  |  |  |  |  |  |
| 24 - 30 | — |  |  |  |  |  |
| < 24 | 0.61 (0.31 to 1.19) | 0.154 |  |  |  |  |
| > 30 | 1.85 (0.94 to 3.69) | 0.077 |  |  |  |  |
| **Heart rate** |  |  |  |  | 1.2 | 1.1 |
| < 100 | — |  | — |  |  |  |
| >= 100 | 2.51 (1.45 to 4.39) | **0.001** | 2.23 (1.00 to 5.11) | 0.053 |  |  |
| **Systolic blood pressure (mmHg)** |  |  |  |  | 1.1 | 1.0 |
| < 140 | — |  | — |  |  |  |
| >= 140 | 2.69 (1.26 to 6.05) | **0.012** | 1.68 (0.57 to 5.24) | 0.355 |  |  |
| **Diastolic blood pressure (mmHg)** |  |  |  |  |  |  |
| < 90 | — |  |  |  |  |  |
| >= 90 | 2.44 (1.02 to 6.26) | 0.051 |  |  |  |  |
| **White-cells** |  |  |  |  |  |  |
| 4-10 | — |  |  |  |  |  |
| < 4 | 0.50 (0.11 to 1.69) | 0.304 |  |  |  |  |
| > 10 | 4.14 (2.29 to 7.66) | **<0.001** |  |  |  |  |
| **Neutrophils** |  |  |  |  | 1.2 | 1.1 |
| <= 6.3 | — |  | — |  |  |  |
| > 6.3 | 7.01 (3.43 to 15.60) | **<0.001** | 8.17 (3.16 to 23.62) | **<0.001** |  |  |
| **Lymphocytes** |  |  |  |  | 1.3 | 1.1 |
| >= 1 | — |  | — |  |  |  |
| < 1 | 1.71 (1.00 to 2.96) | 0.053 | 1.87 (0.82 to 4.41) | 0.143 |  |  |
| **Platelets** |  |  |  |  |  |  |
| >= 125 | — |  |  |  |  |  |
| < 125 | 0.85 (0.29 to 2.37) | 0.757 |  |  |  |  |
| **MCV** | 1.04 (0.99 to 1.10) | 0.143 |  |  |  |  |
| **MCH** | 1.17 (1.02 to 1.34) | **0.026** | 1.14 (0.94 to 1.39) | 0.180 | 1.3 | 1.1 |
| **Hemoglobin (g/dL)** |  |  |  |  | 1.3 | 1.1 |
| > 12 | — |  | — |  |  |  |
| <= 12 | 2.18 (1.17 to 4.13) | **0.015** | 3.24 (1.30 to 8.56) | **0.014** |  |  |
| **Hematocrit (%)** |  |  |  |  |  |  |
| >= 36 | — |  |  |  |  |  |
| < 36 | 2.40 (1.23 to 4.83) | **0.012** |  |  |  |  |
| **Serum creatinine (mg/dL)** |  |  |  |  |  |  |
| < 1.3 | — |  |  |  |  |  |
| >= 1.3 | 2.28 (1.23 to 4.31) | **0.010** |  |  |  |  |
| **BUN (mg/dL)** |  |  |  |  | 1.1 | 1.1 |
| < 20 | — |  | — |  |  |  |
| >= 20 | 3.44 (1.30 to 10.78) | **0.020** | 0.90 (0.19 to 4.55) | 0.894 |  |  |
| **SaO2** |  |  |  |  | 1.4 | 1.2 |
| >= 94 | — |  | — |  |  |  |
| < 94 | 1.95 (1.06 to 3.67) | **0.034** | 0.80 (0.30 to 2.12) | 0.661 |  |  |
| **FiO2 (%)** | 1.02 (1.01 to 1.04) | **<0.001** |  |  |  |  |
| **PaO2:Fio2 ratio** |  |  |  |  | 1.2 | 1.1 |
| > 200 | — |  | — |  |  |  |
| <= 200 | 2.14 (1.24 to 3.73) | **0.006** | 1.34 (0.60 to 3.05) | 0.474 |  |  |
| **PaO2 (mmHg)** |  |  |  |  | 1.2 | 1.1 |
| >= 60 | — |  | — |  |  |  |
| < 60 | 7.45 (3.62 to 16.70) | **<0.001** | 7.46 (2.83 to 21.86) | **<0.001** |  |  |
| **PCO (mmHg)** | 0.97 (0.93 to 1.01) | 0.115 |  |  |  |  |
| **HCO3 (mmol/L)** |  |  |  |  | 1.4 | 1.1 |
| 21 - 28 | — |  | — |  |  |  |
| < 21 | 2.10 (1.20 to 3.72) | **0.010** | 1.49 (0.65 to 3.41) | 0.346 |  |  |
| > 28 | 1.72 (0.45 to 6.62) | 0.419 | 2.25 (0.35 to 13.87) | 0.376 |  |  |
| **Corticosteroids** |  |  |  |  | 1.2 | 1.1 |
| No | — |  | — |  |  |  |
| Yes | 2.00 (1.02 to 4.08) | **0.049** | 1.65 (0.61 to 4.57) | 0.326 |  |  |
| **Anticoagulants** |  |  |  |  |  |  |
| No | — |  |  |  |  |  |
| Enoxaparin | 1.30 (0.56 to 3.16) | 0.547 |  |  |  |  |
| **Antiparasitics** |  |  |  |  |  |  |
| No | — |  |  |  |  |  |
| Ivermectin | 0.55 (0.28 to 1.07) | 0.082 |  |  |  |  |
| **Antimalarials** |  |  |  |  |  |  |
| No | — |  |  |  |  |  |
| Hydroxychloroquine | 1.51 (0.88 to 2.59) | 0.132 |  |  |  |  |
| **Pronation** |  |  |  |  |  |  |
| Yes | — |  |  |  |  |  |
| No | 1.35 (0.79 to 2.31) | 0.277 |  |  |  |  |
| 1OR = Odds Ratio, CI = Confidence Interval, GVIF = Generalized Variance Inflation Factor | | | | | | |
| 2GVIF^[1/(2\*df)] | | | | | | |