COVID-19 in the Healthy Patient Population: Demographic and Clinical Phenotypic Characterization and Predictors of In-Hospital Outcomes

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**Supplementary table 1:** Demographic, Clinical, and laboratory characterization of all patients admitted with COVID-19 during the study period

| Condition                                                                 | All patients (n=1207) |
|---------------------------------------------------------------------------|-----------------------|
| Age, years                                                                | 61.9±15.7             |
| Gender (females), n(%)                                                    | 470(39)               |
| Body mass index, kg/m²                                                    | 30±7.2                |
| Hypertension, n(%)                                                        | 734(61)               |
| Diabetes mellitus, n(%)                                                   | 549(45)               |
| Smoking, n(%)                                                             | 306(25)               |
| Human immunodeficiency virus infection, n(%)                              | 79(7)                 |
| Asthma, n(%)                                                              | 154(13)               |
| Chronic obstructive pulmonary disease, n(%)                               | 119(10)               |
| Chronic liver disease, n(%)                                                | 7(0.5)                |
| Hepatitis B virus infection, n(%)                                         | 4(0.3)                |
| Hepatitis C virus infection, n(%)                                         | 50(4)                 |
| Congestive heart failure, n(%)                                            | 117(10)               |
| Coronary artery disease, n(%)                                             | 125(10)               |
| Chronic kidney disease, n(%)                                               | 98(8)                 |
| End stage renal disease, n(%)                                             | 82(7)                 |
| Fever, n(%)                                                               | 784(65)               |
| Cough , n(%)                                                              | 795(66)               |
| Shortness of breath, n(%)                                                 | 827(69)               |
| Myalgia , n(%)                                                            | 363(30)               |
| Chest discomfort, n(%)                                                    | 149(12)               |
| Atypical Symptoms, n(%)                                                   | 411(34)               |
| Time from symptoms to hospital presentation , days                        | 5.8±5.5               |
| Length of hospital stay, days                                             | 8±7                   |
| Hemoglobin (g/dL)                                                         | 13±2.2                |
| Platelets, (10³/µL)                                                       | 220.8±102.6           |
| White cell count (10⁹/µL)                                                 | 8.6±6.9               |
| Neutrophils (10⁹/µL)                                                      | 6.8±4                 |
| Lymphocytes (10⁹/µL)                                                      | 1.2±0.3               |
| D-Dimer (ng/ml)                                                           | 3080±9847             |
| Lactate dehydrogenase (units/L)                                           | 582±393               |
| High sensitivity C-reactive protein (mg/L)                                | 142±112               |
| Ferritin (mg/ml)                                                          | 1153±11597            |
| Lactate (mmol/L)                                                          | 2.3±1.9               |
| PT (seconds)                                                              | 14±10.5               |
| PTT (seconds)                                                             | 32.2±7.8              |
| Cratinin (mg/dL)                                                          | 1.96±2.6              |
| Alanine aminotransferase (units/L)                                        | 44.6±9                |
| Aspartate aminotransferase (units/L)                                      | 71.1±115              |
| Alkaline phosphatase (units/L)                                            | 95±89                 |
| Total bilirubin (g/dL)                                                    | 0.62±0.73             |
| Combined bilirubin (g/dL)                                                 | 0.27±0.46             |
| Total protein, (g/dL)                                                     | 7±0.8                 |
| Serum albumin, (g/dL)                                                     | 3.6±0.6               |
| Pro-calcitonin, (ng/ml)                                                   | 2.6±10.2              |
| Hydroxychloroquine, n (%)                                                 | 918(76)               |
| Tocilizumab, n (%)                                                        | 80(7)                 |
| Need for mechanical ventilation, n (%)                                     | 485(40)               |
| Mortality, n (%)                                                          | 418(35)               |
### Supplementary table 2: Patients with abnormal laboratory values overall in subgroups

|                                   | Normal range | All Patients (n=157) | Ages≤55 (n=80) | Age>55 (n=77) | p-value $\chi^2$ |
|-----------------------------------|--------------|----------------------|----------------|--------------|------------------|
| **Hemoglobin (g/dL)**             | (12-15)      | 52 (33%)*            | 26 (33%,)      | 26 (34% )    | 0.721            |
| **Platelets (103/uL)**            | (150-450)    | 31 (20%)**           | 20 (25%,)      | 11 (14% )    | 0.292            |
| **White cell count (103/uL)**     | (4-10)       | 54 (34%)**           | 26 (33%)       | 28 (36% )    | 0.343            |
| **Neutrophils (103/uL)**          | (1.5-8)      | 50 (32%)**           | 25 (31%)       | 25 (32%)     | 0.260            |
| **Lymphocytes (103/uL)**          | (0.5-5)      | 34 (22%, 0.42±0.09)$ | 13 (16%)       | 21 (27%)     | 0.042            |
| **Prothrombin time (seconds)**    | ≤13.5        | 56 (36%, 15±1.4)     | 25 (31%)       | 31 (40%)     | 0.166            |
| **Activated Partial thromboplastin time (seconds)** | ≤36 | 22 (14%, 41±7.2) | 14 (17%) | 8 (10%) | 0.365 |
| **Creatinine (mg/dL)**            | ≤1.1         | 49 (31%, 1.52±0.7)   | 20 (25%)       | 29 (38%)     | 0.037            |
| **Alanine transaminase (units/L)**| ≤56          | 39 (25%, 102±48)     | 22 (28%)       | 17 (22%)     | 0.313            |
| **Aspartate transaminase (units/L)** | ≤40     | 84 (54%, 85±61)    | 37 (46%)       | 47 (61%)     | 0.06             |
| **Alkaline phosphatase (units/L)**| ≤140         | 14 (9%, 228±159)     | 7 (9%)         | 7 (9%)       | 0.976            |

*16 patients were anemic (10.6±1), and 36 patients had erythrocytosis (16.2±1.2)
**27 patients had thrombocytopenia (116±30.8), and 4 patients had thrombocytosis (576±73, values were 523, 543, 554, 684)
***43 patients had leukocytosis (13.3±3) and 11 patients had lymphopenia (3.1±0.7)
****48 patients had neutrophilia (11.4±2.9), and 2 patients had neutropenia and the values were 0.5 and 1.4
$ all patients had lymphopenia