Table 1s

Complete list of baseline characteristics.

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| --- | --- | --- | --- | --- |
| Variable | M (SD) or Frequency (%)Whole Sample(n=402) | M (SD) or Frequency (%)Non-intubated(n=154) | M (SD) or Frequency (%)Intubated(n=248) | p-value |
| **Demographics** |
| Age (years) [mean] | 65.9 (16.32) | 67.7 (17.45) | 64.8 (15.51) | 0.09 |
| Age (>65 years) | 213 (53.0) | 80 (51.9) | 133 (53.6) | 0.74 |
| Sex (female) | 136 (33.8) | 57 (37.0) | 79 (31.9) | 0.29 |
| Race White Black Asian Other | 230 (57.2)37 (9.2)44 (10.9)91 (22.6) | 83 (53.9)15 (9.7)20 (13.0)36 (23.4) | 147 (59.3)22 (8.9)24 (9.7)55 (22.2) | 0.67 |
| Ethnicity Non-Hispanic Hispanic Unknown | 318 (78.9)77 (19.1)7 (1.7) | 123 (79.9)26 (16.9)5 (3.2) | 195 (78.6)51 (20.6)2 (0.8) | 0.16 |
| ***Preexisting Comorbidities*** |
| Obesity (BMI ≥ 30) | 168 (41.8) | 48 (33.3) | 120 (48.8) | **0.003** |
| Smoking Never Active Former Unknown | 153 (38.1)7 (1.7)37 (9.2)205 (51.0) | 57 (37.0)2 (1.3)10 (6.5)85 (55.2) | 96 (38.7)5 (2.0)27 (10.9)120 (48.4) | 0.38 |
| Hypertension  | 240 (59.7) | 90 (58.4) | 150 (60.5) | 0.69 |
| Diabetes mellitus  | 142 (35.3) | 47 (30.5) | 95 (38.3) | 0.11 |
| Cerebrovascular accident | 18 (4.5) | 9 (5.8) | 9 (3.6) | 0.30 |
| Atrial fibrillation  | 40 (10.0) | 16 (10.4) | 24 (9.7) | 0.83 |
| Heart failure  | 47 (11.7) | 16 (10.4) | 31 (12.6) | 0.51 |
| Chronic obstructive pulmonary disease  | 27 (6.7) | 15 (9.7) | 12 (4.9) | 0.06 |
| Asthma  | 32 (8.0) | 12 (7.8) | 20 (8.1) | 0.92 |
| Deep vein thrombosis/pulmonary embolism  | 11 (2.7) | 5 (3.2) | 6 (2.4) | 0.76 |
| Chronic kidney disease  | 23 (5.7) | 11 (7.1) | 12 (4.9) | 0.34 |
| Coronary artery disease  | 58 (14.4) | 22 (14.3) | 36 (14.5) | 0.95 |
| Cancer No Active treatment Past 5 years | 373 (92.8)14 (3.5)14 (3.5) | 144 (94.1)4 (2.6)5 (3.3) | 229 (92.3)10 (4.0)9 (3.6) | 0.74 |
| Dementia  | 37 (9.2) | 22 (14.3) | 15 (6.0) | **0.01** |
| ***Presenting symptoms*** |
| Fever  | 293 (72.9) | 104 (68.0) | 189 (76.2) | 0.07 |
| Cough | 283 (70.4) | 105 (68.6) | 178 (71.8) | 0.50 |
| Anosmia  | 3 (0.7) | 2 (1.3) | 1 (0.4) | 0.56 |
| Ageusia  | 4 (1.0) | 3 (2.0) | 1 (0.4) | 0.16 |
| Myalgia  | 74 (18.4) | 24 (15.7) | 50 (20.2) | 0.26 |
| Nausea  | 39 (9.7) | 16 (10.5) | 23 (9.3) | 0.68 |
| Vomiting  | 21 (5.2) | 8 (5.2) | 13 (5.2) | 1.00 |
| Diarrhea  | 58 (14.4) | 25 (16.3) | 33 (13.3) | 0.40 |
| Shortness of breath  | 334 (83.1) | 126 (82.4) | 208 (83.9) | 0.69 |
| Chest pain  | 37 (9.2) | 15 (9.9) | 22 (8.9) | 0.74 |
| ***Vital signs on admission*** |
| Systolic blood pressure [mean] | 131.0 (22.74) | 131.0 (20.48) | 130.9 (24.08) | 0.97 |
| Diastolic blood pressure [mean] | 75.0 (17.30) | 75.0 (17.41) | 75.1 (17.26) | 0.95 |
| Heart rate [mean] | 101.4 (20.80) | 98.1 (19.15) | 103.4 (21.55) | 0.01 |
| Oxygen saturation [mean] | 87.0 (10.83) | 88.1 (9.45) | 86.2 (11.54) | 0.09 |
| Respiratory rate [mean] | 27.1 (7.73) | 24.7 (5.64) | 28.6 (8.44) | **<0.001** |
| ***Laboratory values*** |
| White blood cell count K/UL (admission)  | 8.8 (4.30) | 8.8 (4.72) | 8.7 (4.02) | 0.88 |
| Lymphocyte count K/UL (admission)  | 12.2 (9.49) | 13.0 (11.16) | 11.8 (8.28) | 0.70 |
| Platelets K/UL (admission)  | 211.9 (90.52) | 226.7 (106.91) | 202.8 (77.57) | **0.01** |
| Hemoglobin g/Dl (admission)  | 13.0 (2.09) | 12.8 (2.07) | 13.1 (2.10) | 0.21 |
| Serum sodium mmol/L (admission)  | 135.8 (7.95) | 137.4 (8.46) | 134.8 (7.46) | **0.001** |
| Creatinine mg/dL (admission)  | 1.5 (1.55) | 1.5 (1.46) | 1.4 (1.60) | 0.97 |
| C-reactive protein mg/dL (highest) | 24.7 (11.43) | 18.7 (9.34) | 28.5 (11.03) | **<0.001** |
| Ferritin ng/mL (highest)  | 1,590.1 (1,729.85) | 1,240.7 (1,406.26) | 1,809.4 (1,874.96) | **<0.001** |
| D-dimer ng/mL (highest) | 7502.0 (11,480.45) | 3,297.1 (6,408.80) | 9,692.1 (12,867.37) | **<0.001** |
| Lactate dehydrogenase IU/L (highest)  | 747.2 (821.18) | 577.8 (416.61) | 846.6 (971.19) | **<0.001** |
| Glomerular filtration rate (admission)  | 50.9 (15.52) | 48.4 (17.21) | 52.4 (14.21) | **0.01** |
| Troponin ng/mL (highest)  | 1.3 (6.40) | 1.3 (8.40) | 1.2 (4.83) | **<0.001** |
| Procalcitonin ng/mL (highest)  | 6.5 (12.22) | 1.9 (4.49) | 9.1 (41.33) | **<0.001** |
| ***Management*** |
| Vasopressor  | 231 (57.5) | 11 (7.2) | 220 (88.7) | **<0.001** |
| Need for hemodialysis  | 80 (19.9) | 5 (3.3) | 75 (30.2) | **<0.001** |
| Need for ECMO support  | 4 (1.0) | 0 (0.0) | 4 (1.6) | 0.30 |
| Need for blood transfusion  | 84 (20.9) | 8 (5.2) | 76 (30.9) | **<0.001** |
| Hydroxychloroquine  | 374 (93.0) | 138 (90.2) | 236 (95.5) | **0.04** |
| Azithromycin  | 372 (92.5) | 139 (90.8) | 233 (94.0) | 0.24 |
| Ritonavir/lopinavir  | 7 (1.7) | 2 (1.3) | 5 (2.0) | 0.71 |
| Steroids  | 153 (38.1) | 31 (20.3) | 122 (49.2) | **<0.001** |
| Prophylactic anticoagulation  | 313 (77.9) | 127 (84.7) | 186 (75.9) | **0.04** |
| Therapeutic anticoagulation  | 156 (38.8) | 47 (30.7) | 109 (44.1) | **0.01** |
| Convalescent plasma  | 30 (7.5) | 10 (6.7) | 20 (8.1) | 0.59 |
| Remdesivir | 39 (9.7) | 0 (0.0) | 39 (15.7) | **<0.001** |
| Vitamin C | 254 (63.2) | 87 (58.4) | 167 (67.3) | 0.07 |
| Zinc  | 214 (53.2) | 64 (43.0) | 150 (60.5) | **0.001** |
| Tocilizumab  | 118 (29.4) | 41 (26.6) | 77 (31.0) | 0.34 |
| Antibiotics for suspected bacterial infection  | 368 (91.5) | 123 (80.4) | 245 (98.8) | **<0.001** |
| *Complications* |
| Diagnosis of deep vein thrombosis/pulmonary embolism  | 18 (4.5) | 6 (3.9) | 12 (4.9) | 0.65 |
| Diagnosis of cerebrovascular accident  | 11 (2.7) | 4 (2.7) | 7 (2.8) | 1.00 |
| Diagnosis of bacteremia/fungemia  | 84 (20.9) | 8 (5.2) | 76 (30.8) | **<0.001** |
| ***Outcomes*** |
| Mortality  | 218 (54.2) | 34 (22.1) | 184 (74.2) | <0.001 |
| Length of stay (days) [mean]  | 19.1 (17.23) | 14.8 (12.67) | 21.7 (19.08) | <0.001 |

Note: M=mean, SD=standard deviation. One patient was still hospitalized. Sample size for continuous variables less than 402 are: Oxygen saturation (n=395), Respiratory rate (n=395), White blood cell (n=401), Lymphocyte (n=401), Platelet (n=401), Hemoglobin (n=401), Creatinine (n=400), C-reactive protein (n=393), Ferritin (n=376), D-dimer (n=217), Lactate dehydrogenase (n=376), Glomerular filtration rate (n=395), Troponin (n=391), Procalcitonin (n=349). Sample size for categorical variables missing are: Obesity (n=12), Atrial fibrillation (n=1), Heart failure (n=1), Chronic obstructive pulmonary disease (n=1), Chronic kidney disease (n=1), Cancer (n=1), Fever (n=1), Cough (n=1), Anosmia (n=1), Ageusia (n=3), Myalgia (n=1), Nausea (n=2), Vomiting (n=1), Shortness of breath (n=1), Chest pain (n=2), Vasopressor (n=1), Need for hemodialysis (n=1), Need for ecmo support (n=1), Need for blood transfusion (n=4), Hydroxychloroquine (n=2), Azithromycin (n=1), Ritonavir/lopinavir (n=3), Steroids (n=1), Prophylactic anticoagulation (n=7), Therapeutic anticoagulation (n=2), Convalescent plasma (n=6), Remdesivir (n=1), Vitamin C (n=5), Zinc (n=5), Antibiotics for suspected bacterial infection (n=1), Diagnosis of deep vein thrombosis/pulmonary embolism (n=3), Diagnosis of cerebrovascular accident (n=8), and Diagnosis of bacteremia/fungemia (n=1). Comparison between non-intubation and intubation groups reports percentages only for cases analyzed and does not include missing cases. Prophylactic anticoagulation included enoxaparin 40 mg (n=60, 14.9%) enoxaparin 60 mg (n=123, 30.6%), Heparin (n=75, 18.7%), and Low dose apixaban (n=55, 13.7%). Therapeutic anticoagulation included enoxaparin (n=64, 15.9%), Heparin drip (n=18, 4.5%), DOAC (n=71, 17.7%), and Coumadin (n=3, 0.7%).