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| **Supplementary table 2: Selected parameters in PCR positive COVID-19 patients (n=104) stratified by survival.** Two patients were lost to follow up. Only P values <0.05 (considered significant) are shown. |
|  | **Died (30)** | **Discharged (72)** |  |
| **Demographic and severity parameters** | **N (%) or Median (range)** | **N (%) or Median (range)** | **P value** |
| Male sex  | 23 (76.7%) | 40 (54.1%) | 0.046 |
| Age (years) | 55.4 (30.8 – 80.1) | 51.8 (21.2 – 85.7) | ns |
| Days in medical care | 16 (4 – 43) | 12 (2 – 58) | ns |
| Days on high-flow oxygen | 0 (0 – 16) | 0 (0 – 10) | ns |
| Days on ventilator | 6 (0 – 33) | 0 (0 – 36) | <0.0001 |
| WHO on enrolment: |  |  |  |
|  Mild/moderate (<5) | 5 (16.7%) | 51 (68.9%) | <0.0001 |
|  Severe (≥5) | 25 (83.3%) | 23 (31.1%) |
| PC1 severity score | 1.289 (-0.775 – 4.075) | -0.560 (-3.009 – 2.057) | <0.0001 |
| Co-morbidities: |  |  |  |
| HIV-1 | 6 (20,0%) | 25 (33.8%) | ns |
| TB | 6 (20,0%) | 9 (12.2%) | ns |
| Cardiovascular disease | 2 (6.7%) | 5 (6.8%) | ns |
| Diabetes | 14 (46.7%) | 27 (36.5%) | ns |
| Hypertension | 17 (56.7%) | 33 (44.6%) | ns |
| Obesity | 10 (33.3%) | 22 (29.7%) | ns |
| Respiratory disease | 0 (0.0%) | 7 (9.5%) | ns |
| Chronic kidney disease | 3 (10.0%) | 1 (1.4%) | ns |
| Malignancy | 1 (3.3%) | 2 (2.7%) | ns |
| Organ transplant recipient | 0 (0.0%) | 1 (1.4%) | ns |
| Number of comorbidities2: |  |  | ns |
|  0 | 2 (6.7%) | 9 (12.2%) |
|  1 | 10 (33.3%) | 24 (32.4%) |
|  2 | 9 (30.0%) | 20 (27.0%) |
|  3 | 6 (20.0%) | 15 (20.3%) |
|  4 | 2 (6.7%) | 6 (8.1%) |
|  |  |  |  |
|  | **Died (30)** | **Discharged (72)** |  |
| **Selected laboratory abnormalities** | **Abnormal1****(N, %)** | **Median (range)** | **Abnormal1****(N, %)** | **Median (range)** | **P value** |
| C-reactive protein  | 29 (100%) | 134.5 (18.0 – 469.0) | 68 (91.9%) | 55.0 (2.0 – 239.0) | 0.005 |
| D-dimer  | 28 (96.6%) | 0.85 (0.20 – 7.02) | 61 (87.1%) | 0.53 (0.10 – 5.36) | 0.016 |
| LDH | 28 (100%) | 501.5 (312.0 – 879.0) | 69 (95.8%) | 358.0 (148.0 – 894) | 0.001 |
| Ferritin | 28 (96.6%) | 1847 (40 – 3617) | 65 (89.0%) | 855.0 (65 – 4217) | 0.001 |
| Sodium | Low: 12 (44.4%)High: 3 (11.1%) | 138 (125 – 148) | Low: 30 (46.9%)High: 0 (0%) | 136 (124 – 144) | ns |
| Potassium | Low: 0 (0%)High: 2 (7.4%) | 4.45 (3.50 – 5.50) | Low: 2 (3.2%)High: 10 (15.9%) | 4.20 (3.20 – 6.30) | ns |
| Creatinine | Low: 5 (16.7%)High: 11 (36.7%) | 96.5 (35.0 – 374.0) | Low: 30 (41.1%)High: 11 (15.1%) | 74.0 (39.0 – 297.0) | 0.002 |
| Haemoglobin | 12 (40.0%) | 12.35 (7.60 – 16.90) | 34 (47.2%) | 12.50 (5.80 – 17.20) | ns |
| White cells  | Low: 0 (0%)High: 19 (63.3%) | 13.01 (5.21 – 33.69) | Low: 4 (5.4%)High: 32 (43.2%) | 8.68 (2.64 – 28.83) | 0,010 |
| Lymphocytes | 15 (60.0%) | 1.26 (0.40 – 2.87) | 28 (50.9%) | 1.41 (0.42 – 3.05) | ns |
| Monocytes | Low: 7 (28.0%)High: 4 (16.0%) | 0.52 (0.06 – 1.56) | Low: 14 (25.5%)High: 6 (10.9%) | 0.53 (0.00 – 0.94) | ns |
| Eosinophils | 0 (0%) | 0.01 (0.00 – 0.14) | 0 (0%) | 0.03 (0.00 – 0.45) | ns |
| Neutrophils | 19 (76.0%) | 9.93 (4.0 – 18.0) | 27 (49.1%) | 7.06 (2.1 – 26.9) | 0.022 |
| Platelets | Low: 7 (23.3%)High: 5 (16.7%) | 300 (108 – 679) | Low: 11 (15.3%)High 14 (19.4%) | 277 (114 – 657) | ns |
| 1Abnormal refers to elevated C-reactive protein (>10mg/l); elevated D-dimer (>0.5µg/ml); elevated LDH (>250U/l); elevated ferritin (males >300ng/ml; females >200ng/ml); low sodium (<135mmol/l); elevated potassium (>5mmol/l); low haemoglobin (females <12g/dl; males <13g/dl); low white cell count (<3.9x109/l); elevated neutrophils (males >6.98x109/l; females >8.3x109/l); low lymphocytes (<1.4x109/l); elevated eosinophils (females >0.4x109/l; males >0.95x109/l); low (females <0.2x109/l; males <0.3x109/l) or elevated (>0.8x109/l) monocytes; low (females <49µmol/l; males <64µmol/l) or elevated (females >90µmol/l; males >104µmol/l) creatinine; and low (<186x109/l) or elevated (females >454x109/l; males >388x109/l) platelet count. 2 Comorbidities recorded to calculate numberof comorbidities include HIV-1, TB, cardiovascular disease, diabetes, hypertension, obesity, respiratory disease, chronic kidney disease, malignancy, immunosuppressive treatment and organ transplant.  |