**SERUM HYDROGEN SULFIDE AND OUTCOME ASSOCIATION IN PNEUMONIA BY THE SARS-CoV-2 CORONAVIRUS**

**Running heading: HYDROGEN SULFIDE IN COVID-19**

**Georgios Renieris1**✱**, Konstantina Katrini1**✱, **Christina Damoulari1**✱**,**

**Karolina Akinosoglou2, Christos Psarrakis1, Μagdalini Kyriakopoulou3,**

**George Dimopoulos4, Malvina Lada5, Panagiotis Koufargyris1,**

**Evangelos J. Giamarellos-Bourboulis1**

**14th Department of Internal Medicine, National and Kapodistrian University of Athens, Medical School, 124 62 Athens, Greece;**

**2Department of Internal Medicine, University of Patras, Medical School,Greece;**

**32nd Department of Critical Care Medicine, National and Kapodistrian University of Athens, Medical School, 124 62 Athens, Greece;**

**41st Department of Pulmonary Medicine and Intensive Care, National and Kapodistrian University of Athens, Medical School, 115 27 Athens, Greece;**

**52nd Department of Internal Medicine, Sismanogleion Athens General Hospital, Greece**

✱These authors contributed equally

**Supplementary Table 1 Baseline laboratory values of patients with pneumonia by SARS-CoV-2 coronavirus according to final disposition**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Survivors (n=64) | Non-survivors (n=10) | p-value |
| Hemoglobin (g/dl) | 13.72 ± 1.65 | 12.68 ± 1.67 | 0.083 |
| Total white blood cell count (/mm3) | 6021 ± 2476 | 7835 ± 3934 | 0.174 |
| Absolute platelet count  (x103 /mm3) | 192.9 ± 75.6 | 199.6 ± 58.0 | 0.630 |
| INR | 1.05 ± 1.12 | 1.11 ± 0.13 | 0.228 |
| aPTT (secs) | 35.12 ± 5.81 | 33.25 ± 8.24 | 0.302 |
| Fibrinogen (mg/dl) | 594.38 ± 183.2 | 662.2 ± 204.9 | 0.363 |
| D-dimers (g/dl) | 2.32 ± 3.18 | 4.50. ± 2.84 | 0.194 |
| Creatinine (mg/dl) | 1.02 ± 0.80 | 0.93 ± 0.24 | 0.686 |
| Total bilirubin (mg/dl) | 0.659 ± 0.34 | 0.71 ± 0.38 | 0.404 |
| AST (U/l) | 39.00 ± 24.24 | 52.50 ± 23.26 | 0.082 |
| ALT (U/l) | 34.82 ± 23.43 | 38.30 ± 23.02 | 0.626 |

Results are provided as means ± SD. Comparisons are done by the Student’s t-test

Abbreviations: ALT: alanine amino transferase; aPTT: activated partial thromboplastin time; AST: aspartate aminotransferase; INR: international normalized ratio