**Supplementary File 1**

**Supplementary File 1a**

| **Variables** | **Overall (N=2782)** |
| --- | --- |
| **Age** |  |
|    Mean (SD) | 66.84 (14.44) |
|    Median (Q1, Q3) | 69.00 (57.00, 78.00) |
|    Range | 18.00 - 98.00 |
| **Sex** |  |
|    F | 1010 (36.3%) |
|    M | 1772 (63.7%) |
| **Days in hospital** |  |
|    N-Miss | 96 |
|    Mean (SD) | 13.96 (11.60) |
|    Median (Q1, Q3) | 11.00 (6.00, 18.00) |
|    Range | 0.00 - 140.00 |
| **Score** |  |
|    Mean (SD) | 6.97 (4.52) |
|    Median (Q1, Q3) | 7.00 (3.00, 10.00) |
|    Range | 0.00 - 18.00 |
| **D-dimer** |  |
|    N-Miss | 663 |
|    Mean (SD) | 1638.18 (4218.89) |
|    Median (Q1, Q3) | 578.00 (315.50, 1289.50) |
|    Range | 190.00 - 60342.00 |
| **Fibrinogen** |  |
|    N-Miss | 518 |
|    Mean (SD) | 528.61 (191.92) |
|    Median (Q1, Q3) | 515.00 (391.00, 637.00) |
|    Range | 68.00 - 1371.00 |
| **LDH** |  |
|    N-Miss | 348 |
|    Mean (SD) | 337.48 (251.21) |
|    Median (Q1, Q3) | 291.50 (226.00, 395.00) |
|    Range | 90.00 - 6689.00 |
| **Neutrophils** |  |
|    N-Miss | 47 |
|    Mean (SD) | 5.96 (3.87) |
|    Median (Q1, Q3) | 5.03 (3.43, 7.48) |
|    Range | 0.00 - 53.99 |
| **Lymphocytes** |  |
|    N-Miss | 47 |
|    Mean (SD) | 1.35 (4.66) |
|    Median (Q1, Q3) | 1.00 (0.69, 1.40) |
|    Range | 0.04 - 177.63 |
| **Neutrophils on Lymphocytes** |  |
|    N-Miss | 47 |
|    Mean (SD) | 7.27 (8.41) |
|    Median (Q1, Q3) | 4.89 (2.96, 8.69) |
|    Range | 0.00 - 143.25 |
| **Neutrophils %** |  |
|    N-Miss | 46 |
|    Mean (SD) | 0.74 (0.13) |
|    Median (Q1, Q3) | 0.76 (0.67, 0.84) |
|    Range | 0.00 - 0.99 |
| **Lymphocytes %** |  |
|    N-Miss | 46 |
|    Mean (SD) | 0.17 (0.11) |
|    Median (Q1, Q3) | 0.16 (0.10, 0.23) |
|    Range | 0.01 - 0.99 |
| **PCR** |  |
|    N-Miss | 80 |
|    Mean (SD) | 81.30 (81.30) |
|    Median (Q1, Q3) | 56.70 (18.20, 117.55) |
|    Range | 0.30 - 593.80 |
| **WBC** |  |
|    N-Miss | 45 |
|    Mean (SD) | 7.97 (6.65) |
|    Median (Q1, Q3) | 6.82 (5.00, 9.40) |
|    Range | 0.32 - 191.02 |
| **Basophils** |  |
|    N-Miss | 47 |
|    Mean (SD) | 0.02 (0.03) |
|    Median (Q1, Q3) | 0.01 (0.01, 0.03) |
|    Range | 0.00 - 0.84 |
| **Basophils %** |  |
|    N-Miss | 46 |
|    Mean (SD) | 0.00 (0.00) |
|    Median (Q1, Q3) | 0.00 (0.00, 0.00) |
|    Range | 0.00 - 0.06 |
| **Eosinophils** |  |
|    N-Miss | 47 |
|    Mean (SD) | 0.05 (0.12) |
|    Median (Q1, Q3) | 0.01 (0.00, 0.06) |
|    Range | 0.00 - 2.19 |
| **Eosinophils %** |  |
|    N-Miss | 46 |
|    Mean (SD) | 0.01 (0.02) |
|    Median (Q1, Q3) | 0.00 (0.00, 0.01) |
|    Range | 0.00 - 0.27 |
| **Monocytes** |  |
|    N-Miss | 47 |
|    Mean (SD) | 0.58 (1.39) |
|    Median (Q1, Q3) | 0.47 (0.31, 0.68) |
|    Range | 0.01 - 66.34 |
| **Monocytes %** |  |
|    N-Miss | 46 |
|    Mean (SD) | 0.08 (0.04) |
|    Median (Q1, Q3) | 0.07 (0.05, 0.10) |
|    Range | 0.00 - 0.72 |

**Supplementary File 1b**

|  | **Alive** |  | **Dead** |  |
| --- | --- | --- | --- | --- |
| **Variables** | **March-April (MA)****(N=1683)** | **May-December (MD)****(N=594)** | **p-value** | **March-April (MA)****(N=423)** | **May-December (MD)****(N=82)** | **p value** |
| **Age** |  |  | 0.1503\* |  |  | 0.2041\* |
|    Mean (SD) | 64.55 (14.27) | 65.30 (15.20) |  | 76.21 (9.12) | 76.72 (10.79) |  |
|    Median    (Q1, Q3) | 65.00(55.00, 75.00) | 67.00(55.00, 77.00) |  | 77.00(72.00, 82.00) | 80.00(72.25, 84.75) |  |
|    Range | 19.00 - 97.00 | 18.00 - 97.00 |  | 44.00 - 98.00 | 44.00 - 98.00 |  |
| **Sex** |  |  | 0.0936\*\* |  |  | 0.8968\*\* |
|    F | 613 (36.4%) | 240 (40.4%) |  | 131 (31.0%) | 26 (31.7%) |  |
|    M | 1070 (63.6%) | 354 (59.6%) |  | 292 (69.0%) | 56 (68.3%) |  |
| **Days in hospital** |  |  | 0.2122\* |  |  | ***< 0.001***\* |
|    N-Miss | 1 | 95 |  | 0 | 0 |  |
|    Mean (SD) | 14.15 (11.66) | 14.95 (11.67) |  | 11.33 (10.98) | 17.77 (10.75) |  |
|    Median    (Q1, Q3) | 11.00 (7.00, 18.00) | 12.00 (7.00, 20.00) |  | 8.00 (4.00, 15.00) | 17.50 (9.00, 25.00) |  |
|    Range | 0.00 - 140.00 | 0.00 - 79.00 |  | 0.00 - 88.00 | 2.00 - 46.00 |  |
| **Score** |  |  | ***< 0.001***\* |  |  | 0.3965\* |
|    Mean (SD) | 6.92 (4.40) | 5.65 (4.48) |  | 8.77 (4.39) | 8.23 (4.63) |  |
|    Median    (Q1, Q3) | 7.00(3.00, 10.00) | 5.00(2.00, 9.00) |  | 9.00(6.00, 12.00) | 9.00(5.25, 11.00) |  |
|    Range | 0.00 - 18.00 | 0.00 - 18.00 |  | 0.00 - 18.00 | 0.00 - 17.00 |  |
| **D-dimer** |  |  | ***< 0.001***\* |  |  | ***0.0452***\* |
|    N-Miss | 406 | 128 |  | 113 | 16 |  |
|    Mean (SD) | 1155.03 (2218.51) | 1538.17 (3123.38) |  | 3124.25 (8070.21) | 4712.44 (8897.82) |  |
|    Median   (Q1, Q3) | 443.00(262.00, 985.00) | 739.50(427.50, 1341.25) |  | 944.50(476.50, 2970.75) | 1112.00(725.50, 3619.25) |  |
|    Range | 200.00 - 47228.00 | 190.00 - 33501.00 |  | 200.00 - 60342.00 | 190.00 - 35000.00 |  |
| **Fibrinogen** |  |  | 0.7502\* |  |  | 0.6711\* |
|    N-Miss | 339 | 54 |  | 117 | 8 |  |
|    Mean (SD) | 530.53 (194.13) | 523.94 (169.43) |  | 530.55 (213.69) | 519.77 (213.05) |  |
|    Median    (Q1, Q3) | 520.00 (381.00, 650.00) | 512.00 (405.00, 612.00) |  | 515.00 (381.00, 654.00) | 510.00 (330.50, 649.00) |  |
|    Range | 119.00 - 1339.00 | 147.00 - 1371.00 |  | 68.00 - 1333.00 | 153.00 - 1287.00 |  |
| **LDH** |  |  | ***0.0298***\* |  |  | ***0.0094***\* |
|    N-Miss | 188 | 61 |  | 92 | 7 |  |
|    Mean (SD) | 321.25 (227.50) | 308.30 (196.23) |  | 433.71 (205.10) | 443.49 (707.95) |  |
|    Median    (Q1, Q3) | 283.00(222.00, 373.00) | 273.00(218.00, 354.00) |  | 406.00(269.50, 545.50) | 332.00(257.00, 442.50) |  |
|    Range | 90.00 - 6689.00 | 108.00 - 2565.00 |  | 123.00 - 1365.00 | 122.00 - 6310.00 |  |
| **Neutrophils** |  |  | 0.8529\* |  |  | 0.6350\* |
|    N-Miss | 23 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 5.67 (3.61) | 5.80 (3.97) |  | 7.17 (4.39) | 7.21 (4.13) |  |
|    Median   (Q1, Q3) | 4.83(3.29, 7.03) | 4.78(3.42, 7.11) |  | 6.20(4.12, 9.02) | 6.72(4.00, 9.77) |  |
|    Range | 0.00 - 53.99 | 0.10 - 47.03 |  | 0.17 - 30.45 | 0.19 - 23.02 |  |
| **Lymphocytes** |  |  | 0.6287\* |  |  | 0.2115\* |
|    N-Miss | 23 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 1.43 (5.48) | 1.22 (0.81) |  | 1.19 (4.29) | 1.38 (4.63) |  |
|    Median(Q1, Q3) | 1.04 (0.75, 1.42) | 1.06 (0.72, 1.52) |  | 0.81 (0.55, 1.18) | 0.74 (0.47, 1.06) |  |
|    Range | 0.10 - 177.63 | 0.08 - 10.28 |  | 0.04 - 85.51 | 0.08 - 42.20 |  |
| **Neutrophils on Lymphocytes** |  |  | 0.8639\* |  |  | 0.3122\* |
|    N-Miss | 23 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 6.18 (5.87) | 7.19 (9.92) |  | 10.72 (11.71) | 12.84 (13.09) |  |
|    Median    (Q1, Q3) | 4.52 (2.84, 7.50) | 4.32 (2.63, 8.40) |  | 7.13 (4.47, 13.06) | 8.50 (4.05, 15.19) |  |
|    Range | 0.00 - 101.90 | 0.12 - 143.25 |  | 0.01 - 129.67 | 0.11 - 70.56 |  |
| **Neutrophils %** |  |  | 0.6134\* |  |  | 0.6882\* |
|    N-Miss | 22 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.73 (0.13) | 0.73 (0.13) |  | 0.80 (0.12) | 0.79 (0.16) |  |
|    Median    (Q1, Q3) | 0.74 (0.66, 0.82) | 0.73 (0.64, 0.83) |  | 0.82 (0.75, 0.88) | 0.83 (0.69, 0.89) |  |
|    Range | 0.00 - 0.97 | 0.10 - 0.99 |  | 0.01 - 0.97 | 0.10 - 0.96 |  |
| **Lymphocytes %** |  |  | 0.933\* |  |  | 0.2924\* |
|    N-Miss | 22 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.18 (0.11) | 0.18 (0.11) |  | 0.13 (0.09) | 0.13 (0.13) |  |
|    Median   (Q1, Q3) | 0.16 (0.11, 0.23) | 0.17(0.10, 0.25) |  | 0.11 (0.07, 0.17) | 0.10(0.06, 0.18) |  |
|    Range | 0.01 - 0.97 | 0.01 - 0.88 |  | 0.01 - 0.99 | 0.01 - 0.88 |  |
| **PCR** |  |  | ***< 0.001***\* |  |  | ***0.0235***\* |
|    N-Miss | 47 | 21 |  | 12 | 0 |  |
|    Mean (SD) | 77.25 (75.76) | 64.28 (73.38) |  | 117.68 (95.97) | 98.59 (102.49) |  |
|    Median    (Q1, Q3) | 55.65 (17.30, 111.60) | 39.10 (12.30, 91.10) |  | 99.20 (42.80, 170.45) | 74.80 (20.12, 140.73) |  |
|    Range | 0.30 - 479.00 | 0.30 - 483.20 |  | 0.70 - 471.10 | 0.30 - 593.80 |  |
| **WBC** |  |  | 0.4686\* |  |  | 0.6138\* |
|    N-Miss | 21 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 7.73 (7.13) | 7.65 (4.17) |  | 9.13 (7.46) | 9.23 (6.25) |  |
|    Median    (Q1, Q3) | 6.62(4.87, 9.11) | 6.67(5.02, 8.90) |  | 7.62(5.60, 10.74) | 8.34(5.55, 12.04) |  |
|    Range | 0.72 - 191.02 | 0.97 - 48.19 |  | 0.32 - 92.23 | 0.97 - 47.79 |  |
| **Basophils** |  |  | ***0.0013***\* |  |  | 0.2253\* |
|    N-Miss | 23 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.02 (0.02) | 0.02 (0.04) |  | 0.02 (0.02) | 0.02 (0.02) |  |
|    Median   (Q1, Q3) | 0.01 (0.01, 0.02) | 0.02(0.01, 0.03) |  | 0.01 (0.01, 0.02) | 0.01(0.01, 0.03) |  |
|    Range | 0.00 - 0.31 | 0.00 - 0.84 |  | 0.00 - 0.15 | 0.00 - 0.11 |  |
| **Basophils %** |  |  | ***0.0012***\* |  |  | 0.1017\* |
|    N-Miss | 22 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.00 (0.00) | 0.00 (0.00) |  | 0.00 (0.00) | 0.00 (0.00) |  |
|    Median   (Q1, Q3) | 0.00(0.00, 0.00) | 0.00(0.00, 0.00) |  | 0.00(0.00, 0.00) | 0.00(0.00, 0.00) |  |
|    Range | 0.00 - 0.02 | 0.00 - 0.05 |  | 0.00 - 0.06 | 0.00 - 0.01 |  |
| **Eosinophils** |  |  | 0.4863\* |  |  | 0.9056\* |
|    N-Miss | 23 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.06 (0.12) | 0.06 (0.14) |  | 0.04 (0.10) | 0.05 (0.13) |  |
|    Median   (Q1, Q3) | 0.01 (0.00, 0.07) | 0.01 (0.00, 0.06) |  | 0.00 (0.00, 0.02) | 0.00 (0.00, 0.03) |  |
|    Range | 0.00 - 2.19 | 0.00 - 1.95 |  | 0.00 - 0.79 | 0.00 - 0.97 |  |
| **Eosinophils %** |  |  | 0.4902\* |  |  | 0.9885\* |
|    N-Miss | 22 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.01 (0.02) | 0.01 (0.02) |  | 0.00 (0.01) | 0.01 (0.01) |  |
|    Median   (Q1, Q3) | 0.00 (0.00, 0.01) | 0.00(0.00, 0.01) |  | 0.00(0.00, 0.00) | 0.00(0.00, 0.00) |  |
|    Range | 0.00 - 0.27 | 0.00 - 0.25 |  | 0.00 - 0.12 | 0.00 - 0.07 |  |
| **Monocytes** |  |  | 0.253\* |  |  | 0.1643\* |
|    N-Miss | 23 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.56 (0.68) | 0.55 (0.32) |  | 0.69 (3.32) | 0.58 (0.41) |  |
|    Median   (Q1, Q3) | 0.47 (0.32, 0.68) | 0.49 (0.33, 0.68) |  | 0.41 (0.25, 0.63) | 0.48 (0.27, 0.77) |  |
|    Range | 0.01 - 23.31 | 0.02 - 2.45 |  | 0.02 - 66.34 | 0.07 - 2.01 |  |
| **Monocytes %** |  |  | 0.6814\* |  |  | 0.2654\* |
|    N-Miss | 22 | 4 |  | 19 | 1 |  |
|    Mean (SD) | 0.08 (0.04) | 0.08 (0.04) |  | 0.07 (0.05) | 0.07 (0.05) |  |
|    Median   (Q1, Q3) | 0.07 (0.05, 0.10) | 0.07 (0.05, 0.10) |  | 0.06 (0.04, 0.08) | 0.06 (0.04, 0.09) |  |
|    Range | 0.00 - 0.70 | 0.01 - 0.31 |  | 0.01 - 0.72 | 0.01 - 0.27 | p value |
| **Ferritin F** | **613 patients****(82.39%)** | **240 patients****(90.23%)** | 0.4706\* | **131 patients****(17.61%)** | **26 patients****(9.77%)** | 0.3985\* |
|    N-Miss | 158 | 43 |  | 34 | 5 |  |
|    Mean (SD) | 674.53 (817.61) | 564.63 (526.39) |  | 1237.07 (2308.64) | 2006.00 (4680.23) |  |
|    Median    (Q1, Q3) | 459.00(212.00, 820.50) | 433.00(216.00, 750.00) |  | 700.00 (353.00, 1347.00) | 510.00(269.00, 722.00) |  |
|    Range | 4.00 - 7687.00 | 11.00 - 3397.00 |  | 19.00 - 20572.00 | 81.00 - 20941.00 |  |
| **Ferritin M** | **1070 patients****(78.56%)** | **354 patients****(90.23%)** | ***< 0.001***\* | **292 patients****(21.44%)** | **56 patients****(9.77%)** | 0.1555\* |
|    N-Miss | 257 | 50 |  | 96 | 5 |  |
|    Mean (SD) | 1353.00 (1359.86) | 1181.95 (3295.92) |  | 1825.25 (1945.47) | 1372.04 (1258.14) |  |
|    Median    (Q1, Q3) | 939.00 (461.00, 1705.00) | 737.50(405.25, 1283.00) |  | 1262.50 (572.25, 2323.25) | 1159.00(598.00, 1500.00) |  |
|    Range | 23.00 - 11513.00 | 25.00 - 56039.00 |  | 55.00 - 13289.00 | 112.00 - 7058.00 |  |

In bold and italics p-values<0.05

\* Wilcoxon rank-sum test t

\*\* Fisher’s exact test

**Supplementary File 1c**

|  |  |  |
| --- | --- | --- |
| **Metrics** | **RF on a dataset rebalanced with the** **SMOTE methodology** | **RF on the original dataset** |
| **Training****March-April (MA)****(95% CI)** | **Validating****March-April (MA)****(95% CI)** | **Training****March-April (MA)****(95% CI)** | **Validating****March-April (MA)****(95% CI)** |
| **AUC** **(DeLong)** | 0.97(0.97-0.98) | 0.83(0.80-0.87) | 0.84(0.82-0.86) | 0.82(0.81-0.88) |
| **Sensitivity** | 0.93 (0.91-0.97) | 0.82 (0.72-0.92) | 0.81(0.76-0.85) | 0.79(0.66-0.95) |
| **Specificity** | 0.92 (0.88-0.94) | 0.75(0.63-0.83) | 0.76(0.73-0.79) | 0.76(0.57-0.86) |

**Supplementary File 1d**

|  |  |  |
| --- | --- | --- |
| **Metrics** | **LDH** | **D-dimer** |
| **Training MA** | **Validating****MA** | **Testing****MD** | **Training MA** | **Validating****MA** | **Testing****MD** |
| **AUC (DeLong)****(95% CI)** | 0.95(0.94-0.96) | 0.59(0.54-0.65) | 0.55(0.49-0.62) | 0.93(0.92-0.94) | 0.56(0.51-0.61) | 0.48(0.40-0.56) |
| **Sensitivity****(95% CI)** | 0.89(0.76-0.92) | 0.62(0.53-0.71) | 0.67(0.32-0.99) | 0.78(0.75- 0.81) | 0.91(0.50-0.96) | 0.48(0.09-0.98) |
| **Specificity****(95% CI)** | 0.84(0.80-0.96) | 0.61(0.55-0.66) | 0.50(0.11-0.80) | 0.94(0.93- 0.96) | 0.26(0.21-0.66) | 0.64(0.04-0.95) |
| **Metrics** | **Neutr/Lymph** | **Neutrophils %** |
| **Training MA** | **Validating****MA** | **Testing****MD** | **Training MA** | **Validating****MA** | **Testing****MD** |
| **AUC (DeLong)****(95% CI)** | 0.73(0.71-0.75) | 0.61(0.56-0.66) | 0.63(0.56-0.70) | 0.97(0.97-0.98) | 0.52(0.46-0.58) | 0.55(0.49-0.62) |
| **Sensitivity****(95% CI)** | 0.63(0.55-0.73) | 0.76(0.50-0.93) | 0.52(0.36-0.72) | 0.90(0.86- 0.94) | 0.51(0.09- 0.89) | 0.68(0.36- 0.96) |
| **Specificity****(95% CI)** | 0.75(0.65-0.82) | 0.48(0.28-0.70) | 0.77(0.55-0.84) | 0.94(0.89- 0.96) | 0.59(0.17- 0.96) | 0.50(0.15- 0.77) |
| **Metrics** | **Fibrinogen** | **CRP** |
| **Training MA** | **Validating****MA** | **Testing****MD** | **Training MA** | **Validating****MA** | **Testing****MD** |
| **AUC (DeLong)****(95% CI)** | 0.89(0.88-0.91) | 0.53(0.48-0.59) | 0.49(0.42-0.56) | 0.98(0.98-0.99) | 0.57(0.51-0.62) | 0.55(0.48-0.62) |
| **Sensitivity****(95% CI)** | 0.64(0.60- 0.84) | 0.54(0.16- 0.93) | 0.5811(0.05-1.00) | 0.91(0.86- 0.96) | 0.43(0.25- 0.69) | 0.56(0.13- 0.88) |
| **Specificity****(95% CI)** | 0.97(0.75- 0.98) | 0.59(0.18- 0.91) | 0.50(0.03- 0.99) | 0.94(0.89- 0.98) | 0.74(0.46- 0.88) | 0.62(0.21- 0.95) |
| **Metrics** | **Brescia chest xray** | **Lymphocites %** |
| **Training MA** | **Validating****MA** | **Testing****MD** | **Training MA** | **Validating****MA** | **Testing****MD** |
| **AUC (DeLong)****(95% CI)** | 0.84(0.82-0.86) | 0.63(0.58-0.69) | 0.65(0.59-0.72) | 0.95(0.94-0.96) | 0.57(0.51-0.62) | 0.61(0.54-0.67) |
| **Sensitivity****(95% CI)** | 0.59(0.53- 0.68) | 0.72(0.50- 0.84) | 0.68(0.56- 0.82) | 0.84(0.80- 0.87) | 0.78(0.22- 0.97) | 0.47(0.22- 0.84) |
| **Specificity****(95% CI)** | 0.95(0.88-1.00) | 0.52(0.39- 0.72) | 0.63(0.50- 0.70) | 0.93(0.89- 0.96) | 0.37(0.15- 0.91) | 0.75(0.35- 0.94) |
| **Metrics** | **Ferritin std** | **Monocytes %** |
| **Training MA** | **Validating****MA** | **Testing****MD** | **Training MA** | **Validating****MA** | **Testing****MD** |
| **AUC (DeLong)****(95% CI)** | 0.94(0.93-0.95) | 0.53(0.48-0.58) | 0.55(0.48-0.62) | 0.91(0.90-0.92) | 0.51(0.46-0.57) | 0.51(0.44-0.57) |
| **Sensitivity****(95% CI)** | 0.76(0.71- 0.82) | 0.92(0.24-1.00) | 0.71(0.54- 0.88) | 0.73(0.69- 0.78) | 0.67(0.09- 0.97) | 0.53(0.05- 0.95) |
| **Specificity****(95% CI)** | 0.97(0.91- 0.99) | 0.21(0.1- 0.87) | 0.49(0.31- 0.60) | 0.96(0.91- 0.98) | 0.44(0.11- 0.96) | 0.59(0.11- 0.98) |

**Supplementary File 1e**

|  |  |
| --- | --- |
| **Biomarker** | **Threshold - Youden index****(95% CI)** |
| **LDH** | 268.20(251.10-296.10) |
| **D-dimer** | 504.00(504.00-524.60) |
| **Neutr/Lymph** | 4.56(3.86-4.93) |
| **Neutrophils %** | 4.68(3.68-6.16) |
| **Fibrinogen** | 417.50(352.10-487.10) |
| **CRP** | 45.32(37.42-124.40) |
| **Brescia chest xray** | 7.02(6.06-8.01) |
| **Lymphocites %** | 1.01(0.68-1.24) |
| **Ferritin std** | 14.24(14.24- 14.27) |
| **Monocytes %** | 0.49(0.34- 0.60) |