| Scale: CDAI | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cutpoint** | | | **Sensitivity (%)** | | **Specificity (%)** | | | | **PPV (%)** | | | | **NPV (%)** | | | | **Youden's index** | | | | **AUC** | | | | **Metric Score** | | | |
| 108 |  | | 70.73% |  | 82.61% | |  | | 93.55% | |  | | 44.19% | |  | | 0.533 | |  | | 0.762 | |  | | 1.53 | |  | |
| 113 |  | | 69.51% |  | 82.61% | |  | | 93.44% | |  | | 43.18% | |  | | 0.521 | |  | | 0.762 | |  | | 1.52 | |  | |
| 114 |  | | 69.51% |  | 86.96% | |  | | 95% | |  | | 44.44% | |  | | 0.565 | |  | | 0.762 | |  | | 1.56 | |  | |
| 115 |  | | 68.29% |  | 86.96% | |  | | 94.92% | |  | | 43.48% | |  | | 0.552 | |  | | 0.762 | |  | | 1.55 | |  | |
| 116 |  | | 67.07% |  | 86.96% | |  | | 94.83% | |  | | 42.55% | |  | | 0.540 | |  | | 0.762 | |  | | 1.54 | |  | |
| 118 |  | | 65.85% |  | 86.96% | |  | | 94.74% | |  | | 41.67% | |  | | 0.528 | |  | | 0.762 | |  | | 1.53 | |  | |
| 126 |  | | 64.63% |  | 86.96% | |  | | 94.64% | |  | | 40.82% | |  | | 0.516 | |  | | 0.762 | |  | | 1.52 | |  | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scale: PCR | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Cutpoint** | | | **Sensitivity (%)** | | **Specificity (%)** | | | **PPV (%)** | | | | **NPV (%)** | | | | **Youden's index** | | | | **AUC** | | | | **Metric Score** | | | |
| 1.84 | |  | 52.44% |  | 91.3% |  | | 95.56% | |  | | 35% | |  | | 0.437 | |  | | 0.717 | |  | | 1.44 | |  | |
| 1.97 | |  | 50% |  | 95.65% |  | | 97.62% | |  | | 34.92% | |  | | 0.457 | |  | | 0.717 | |  | | 1.46 | |  | |
| 2.01 | |  | 48.78% |  | 95.65% |  | | 97.56% | |  | | 34.38% | |  | | 0.444 | |  | | 0.717 | |  | | 1.44 | |  | |
| 2.77 | |  | 47.56% |  | 95.65% |  | | 97.5% | |  | | 33.85% | |  | | 0.432 | |  | | 0.717 | |  | | 1.43 | |  | |
| 2.94 | |  | 47.56% |  | 100% |  | | 100% | |  | | 34.85% | |  | | 0.476 | |  | | 0.717 | |  | | 1.48 | |  | |
| 3.11 | |  | 46.34% |  | 100% |  | | 100% | |  | | 34.33% | |  | | 0.463 | |  | | 0.717 | |  | | 1.46 | |  | |
| 3.18 | |  | 45.12% |  | 100% |  | | 100% | |  | | 33.82% | |  | | 0.451 | |  | | 0.717 | |  | | 1.45 | |  | |
| 3.24 | |  | 43.9% |  | 100% |  | | 100% | |  | | 33.33% | |  | | 0.439 | |  | | 0.717 | |  | | 1.44 | |  | |
| 3.26 | |  | 42.68% |  | 100% |  | | 100% | |  | | 32.86% | |  | | 0.427 | |  | | 0.717 | |  | | 1.43 | |  | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Scale: Calprotectina | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cutpoint** | | **Sensitivity (%)** | | **Specificity (%)** | | **PPV (%)** | | **NPV (%)** | | **Youden's index** | | **AUC** | | **Metric Score** | |
| 210 |  | 80.49% |  | 69.57% |  | 90.41% |  | 50% |  | 0.501 |  | 0.801 |  | 1.50 |  |
| 215 |  | 79.27% |  | 69.57% |  | 90.28% |  | 48.48% |  | 0.488 |  | 0.801 |  | 1.49 |  |
| 220 |  | 78.05% |  | 69.57% |  | 90.14% |  | 47.06% |  | 0.476 |  | 0.801 |  | 1.48 |  |
| 221.6 |  | 76.83% |  | 69.57% |  | 90% |  | 45.71% |  | 0.464 |  | 0.801 |  | 1.46 |  |
| 240 |  | 75.61% |  | 69.57% |  | 89.86% |  | 44.44% |  | 0.452 |  | 0.801 |  | 1.45 |  |
| 280 |  | 73.17% |  | 73.91% |  | 90.91% |  | 43.59% |  | 0.471 |  | 0.801 |  | 1.47 |  |
| 300 |  | 71.95% |  | 73.91% |  | 90.77% |  | 42.5% |  | 0.459 |  | 0.801 |  | 1.46 |  |
| 400 |  | 67.07% |  | 78.26% |  | 91.67% |  | 40% |  | 0.453 |  | 0.801 |  | 1.45 |  |
| 596 |  | 59.76% |  | 86.96% |  | 94.23% |  | 37.74% |  | 0.467 |  | 0.801 |  | 1.47 |  |
| 600 |  | 58.54% |  | 86.96% |  | 94.12% |  | 37.04% |  | 0.455 |  | 0.801 |  | 1.45 |  |
|  | | | | | | | | | | | | | | | |

| Scale: CHIT1 | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cutpoint** | | **Sensitivity (%)** | | **Specificity (%)** | | **PPV (%)** | | **NPV (%)** | | **Youden's index** | | **AUC** | | **Metric Score** | |
| 100 |  | 86.59% |  | 91.3% |  | 97.26% |  | 65.62% |  | 0.779 |  | 0.942 |  | 1.78 |  |
| 120 |  | 82.93% |  | 91.3% |  | 97.14% |  | 60% |  | 0.742 |  | 0.942 |  | 1.74 |  |
| 140 |  | 78.05% |  | 95.65% |  | 98.46% |  | 55% |  | 0.737 |  | 0.942 |  | 1.74 |  |
|  | | | | | | | | | | | | | | | |

DeLong Test of Difference between AUCs

Estimated AUC's:

AUC SD(Hanley) P(H0: AUC=0.5) SD(DeLong) P(H0: AUC=0.5)

1 0.762 0.050 0.000 0.048 0.000

2 0.717 0.055 0.000 0.049 0.000

3 0.801 0.045 0.000 0.050 0.000

4 0.942 0.022 0.000 0.022 0.000

Pairwise comparisons:

AUC Difference CI(lower) CI(upper) P.Value Correlation

1 vs. 2 0.045 -0.059 0.149 0.400 0.400

1 vs. 3 -0.039 -0.145 0.066 0.465 0.409

1 vs. 4 -0.179 -0.266 -0.092 0.000 0.406

2 vs. 3 -0.084 -0.187 0.019 0.110 0.437

2 vs. 4 -0.224 -0.318 -0.131 0.000 0.268

3 vs. 4 -0.140 -0.228 -0.052 0.002 0.455

Overall test:

p-value = 1.28e-06

**ROC Curve: Combined**

A graph of different colored lines

Description automatically generated