Table 2

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Algo Name | Task | Accuracy | Specificity | Sensitivity | AUC | AUC CI |
| DecisionTreeClassifier | anastomotic\_leak | 0.94 | 0.94 | 0.66 | 0.88 | 0.7952504792344546-0.9605781018506365 |
| DecisionTreeClassifier | LOS | 0.88 | 0.89 | 0.76 | 0.89 | 0.8681987513466456-0.903927766966633 |
| RandomForestClassifier | DIED | 0.99 | 1.00 | 0.00 | 0.89 | 0.7853496002070518-0.9903217409717281 |
| NeuralNetBinaryClassifier | DIED | 0.01 | 0.00 | 1.00 | 0.92 | 0.8597101707125248-0.9815268049166861 |
| DecisionTreeClassifier | DIED | 0.96 | 0.97 | 0.54 | 0.87 | 0.8083724265748701-0.9259189073746611 |
| RandomForestClassifier | anastomotic\_leak | 0.99 | 1.00 | 0.10 | 0.88 | 0.8040355665733787-0.9614793838048219 |
| NeuralNetBinaryClassifier | LOS | 0.06 | 0.00 | 1.00 | 0.88 | 0.8505600215012517-0.9130689254028614 |
| NeuralNetBinaryClassifier | anastomotic\_leak | 0.01 | 0.00 | 1.00 | 0.94 | 0.8876685035407222-0.9852778011804996 |
| RandomForestClassifier | LOS | 0.92 | 0.95 | 0.45 | 0.87 | 0.848107309375025-0.8957178955296269 |