**Supplementary Table 2. Comparison of diagnostic performance of the models in the assessment of liver inflammation using prospective data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification** | **Model** | **AUC** | **Accuracy** | **Sensitivity** | **Specificity** |
| ≥A1 | DtCNN model | 0.83 | 0.76 | 0.73 | 0.78 |
| Inflammation Model | 0.69 | 0.67 | 0.49 | 0.77 |
| LSM | 0.62 | 0.63 | 0.21 | 0.88 |
| APRI | 0.60 | 0.65 | 0.21 | 0.92 |
| FIB-4 | 0.60 | 0.65 | 0.26 | 0.88 |
| ≥A2 | DtCNN model | 0.88 | 0.81 | 0.87 | 0.78 |
| Inflammation Model | 0.80 | 0.76 | 0.79 | 0.74 |
| LSM | 0.65 | 0.67 | 0.47 | 0.79 |
| APRI | 0.72 | 0.70 | 0.67 | 0.72 |
| FIB-4 | 0.67 | 0.68 | 0.38 | 0.86 |
| A3 | DtCNN model | 0.77 | 0.73 | 0.71 | 0.75 |
| Inflammation Model | 0.65 | 0.66 | 0.57 | 0.72 |
| LSM | 0.59 | 0.64 | 0.26 | 0.87 |
| APRI | 0.61 | 0.65 | 0.44 | 0.78 |
| FIB-4 | 0.63 | 0.65 | 0.36 | 0.82 |

APRI, aspartate transaminase-to-platelet ratio index; AUC, area under the curve; DtCNN, dual-task convolutional neural network; FIB-4, fibrosis index based on four factors; LSM, liver stiffness measurement.