**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.