**Supplementary Table 1. Comparison of diagnostic performance of the models in assessment of significant fibrosis, advanced fibrosis and cirrhosis using prospective data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Classification** | **Model** | **AUC** | **Accuracy** | **Sensitivity** | **Specificity** |
| Significant fibrosis (≥F2) | DtCNN Model | 0.88  | 0.82  | 0.73  | 0.88  |
| Fibrosis Model | 0.86  | 0.80  | 0.70  | 0.87  |
| LSM | 0.86  | 0.80  | 0.73  | 0.84  |
| APRI | 0.72  | 0.72  | 0.58  | 0.80  |
| FIB-4 | 0.61  | 0.64  | 0.28  | 0.85  |
| Advanced fibrosis (≥F3) | DtCNN model | 0.83  | 0.80  | 0.81  | 0.80  |
| Fibrosis model | 0.74  | 0.73  | 0.47  | 0.88  |
| LSM | 0.60  | 0.65  | 0.22  | 0.90  |
| APRI | 0.62  | 0.69  | 0.31  | 0.90  |
| FIB-4 | 0.63  | 0.66  | 0.36  | 0.83  |
| Cirrhosis (F4) | DtCNN model | 0.88  | 0.85  | 0.86  | 0.85  |
| Fibrosis model | 0.80  | 0.80  | 0.81  | 0.79  |
| LSM | 0.65  | 0.65  | 0.56  | 0.71  |
| APRI | 0.64  | 0.66  | 0.50  | 0.77  |
| FIB-4 | 0.60  | 0.64  | 0.39  | 0.81  |

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.