**Supplementary Table 1**

**1A: Scoring system criteria for assessing quality of HBV-ACLF-specific models.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Study design** | **Number of patients recruiting centers** | **Sample size** | **Adjustment of confounding factors** | **Reporting of LT** | **Model validation** |
| 1 point | prospective study | multicenter | ≥500 | yes | yes | yes |
| 0 point | retrospective study | single center | ＜500 | no | no | no |

**Studies with score of 5-6 were considered as high-quality, score of 3-4 as medium-quality, and score of 1-2 as low-quality.**

**1B: Quality score of each HBV-ACLF-specific model.**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **References†** | **Study design,**  **points** | **Number of patient recruiting centers,**  **points** | **Sample size,**  **points** | **Adjustment of confounding factors,**  **points** | **Reporting of LT,**  **points** | **Model validation,**  **points** | **Sum,**  **points** | **Quality,**  **high/**  **medium/low** |
| [1] | 0 | 0 | 0 | 0 | 0 | 0 | 0 | low |
| [2] | 0 | 0 | 0 | 0 | 1 | 0 | 1 | low |
| [3] | 0 | 0 | 0 | 1 | 0 | 0 | 1 | low |
| [4] | 0 | 0 | 0 | 1 | 1 | 1 | 3 | medium |
| [5] | 0 | 0 | 0 | 1 | 0 | 0 | 1 | low |
| [6] | 0 | 0 | 0 | 1 | 0 | 0 | 1 | low |
| [7] | 0 | 0 | 1 | 0 | 1 | 0 | 2 | low |
| [28] | 0 | 0 | 0 | 0 | 1 | 1 | 2 | low |
| [8] | 0 | 0 | 0 | 1 | 1 | 1 | 3 | medium |
| [9] | 0 | 0 | 0 | 1 | 1 | 1 | 3 | medium |
| [10] | 0 | 0 | 0 | 1 | 0 | 0 | 1 | low |
| [11] | 1 | 0 | 0 | 1 | 1 | 0 | 3 | medium |
| [12] | 0 | 0 | 0 | 1 | 1 | 0 | 2 | low |
| [13] | 0 | 0 | 1 | 1 | 1 | 1 | 4 | medium |
| [14] | 1 | 0 | 1 | 1 | 1 | 1 | 5 | high |
| [15] | 0 | 0 | 0 | 1 | 1 | 0 | 2 | low |
| [16] | 0 | 0 | 1 | 1 | 1 | 1 | 4 | medium |
| [17] | 0 | 0 | 0 | 1 | 0 | 0 | 1 | low |
| [18] | 0 | 0 | 0 | 1 | 1 | 1 | 3 | medium |
| [19] | 1 | 0 | 0 | 1 | 1 | 1 | 4 | medium |
| [30] | 0 | 0 | 1 | 0 | 0 | 1 | 2 | low |
| [20] | 0 | 0 | 0 | 1 | 0 | 1 | 2 | low |
| [21] | 0 | 0 | 0 | 1 | 0 | 1 | 2 | low |
| [22] | 1 | 0 | 0 | 1 | 0 | 1 | 3 | medium |
| [23] | 0 | 0 | 1 | 1 | 0 | 1 | 3 | medium |
| [24] | 1 | 1 | 1 | 1 | 1 | 1 | 6 | high |
| [25] | 0 | 0 | 0 | 1 | 0 | 0 | 1 | low |
| [26] | 0 | 0 | 1 | 1 | 1 | 1 | 4 | medium |
| [31] | 0 | 0 | 0 | 0 | 0 | 1 | 1 | low |
| [27] | 0 | 0 | 0 | 1 | 1 | 1 | 3 | medium |
| [29] | 0 | 0 | 1 | 0 | 0 | 1 | 2 | low |

**†**See supplementary reference list.