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| Table S1. Calculation the score of the four HCC risk models |
| **The score of risk models** | **Calculation** |
| CU-HCC | Age (> 50 years = 3; ≤ 50 = 0) + albumin (≤ 35 g/L = 20; > 35 = 0) + total bilirubin (> 18 µmol/L = 1.5; ≤18 µmol/L = 0) +HBV DNA (< 4 log copies/ml = 0; 4-6 = 1; > 6 = 4) + cirrhosis (yes = 15; no = 0) |
| GAG-HCC | 14 \* gender (male = 1; female = 0) + age (in years) + 3 \* HBV DNA (log copies/ml) + 33 \* cirrhosis (presence = 1; absence = 0) |
| REACH-B | Gender (male = 2; female = 0) + age (1 point for every 5 years) + ALT (15-44 IU/L = 1; ≥45 IU/L = 2) + HBeAg status (positive = 2; negative = 0) + HBV DNA (4-5 log copies/ml = 3; 5-6 log copies/ml = 5; ≥ 6 log copies/ml = 4) |
| PAGE-B | Gender (male = 6; female = 0) + age (16-29 years = 0; 30-39 years = 2; 40-49 years = 4; 50-59 years = 6; 60-69 years = 8; 70 years = 10) + platelet (≥ 200,000/mm3= 0; 100,000-199,999/mm3= 6; ≤ 100,000/mm3 = 9) |

ALT, alanine aminotransferase; HCC, hepatocellular carcinoma; HBV, hepatitis B virus; HBeAg, hepatitis B e antigen.