**Supplementary Table 1. Baseline demographic and clinical characteristics in F≥3 patients.**

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|  | ETV | ETV+ALHX | *p*-value |
| F≥3, *n* | 98 | 211 |  |
| Age, year | 42.45±11.56, 42 | 41.32±10.15, 41 | 0.407 |
| <40, *n* (%) | 41 (41.8) | 96 (45.5) |  |
| ≥40, *n* (%) | 57 (58.2) | 115 (54.5) |  |
| Male sex, *n* (%) | 77 (78.6) | 146 (69.2) | 0.087 |
| Family history of HBV infection, *n* (%) | 47 (48.0) | 106 (50.7) | 0.652 |
| Family history of HCC, *n* (%) | 14 (14.3) | 23/210 (11.0) | 0.402 |
| History of drinking, *n* (%) | 4 (4.1) | 5 (2.4) | 0.405 |
| History of smoking, *n* (%) | 23 (23.5) | 54/210 (25.7) | 0.672 |
| HBsAg positive duration, year | 10 (3, 20) | 10 (3, 20) | 0.913 |
| BMI (kg/m2) | 23.88±3.14, 24.22 | 24.18±3.30, 23.95 | 0.449 |
| WBC (×109/L) | 5.63±1.70, 5.40 | 5.30±1.50, 5.08 | 0.089 |
| LY% | 34.50±8.56, 34.10 | 35.07±8.73, 34.90 | 0.596 |
| HGB (g/L) | 147.79±16.26, 151 | 143.64±17.38, 147 | 0.043 |
| PLT (×109/L) | 152.59±47.44, 148 | 151.45±51.08, 151 | 0.851 |
| ALT (U/L) | 55.62 (38.00, 103.00) | 56.00 (34.10, 105.71) | 0.134 |
| AST (U/L) | 39.55 (28.00, 64.00) | 41.06 (30.00, 72.00) | 0.049 |
| ALP (U/L) | 87.98 (75.06, 115.50) | 87.65 (71.00, 110.00) | 0.614 |
| GGT (U/L) | 39.50 (26.00, 82.20) | 46.40 (27.00, 84.00) | 0.657 |
| ALB (g/L) | 41.83±4.63, 42.46 | 42.23±4.99, 42.55 | 0.495 |
| TBiL (μmol/L) | 15.85 (10.60, 20.60) | 15.15 (12.00, 20.70) | 0.390 |
| DBiL (μmol/L) | 4.75 (3.44, 7.00) | 4.70 (3.30, 7.70) | 0.364 |
| Cr (μmol/L) | 66.99±12.18, 65.90 | 66.18±14.22, 65.00 | 0.627 |
| TCHO (mmol/L) | 4.25±0.83, 4.08 | 4.38±0.86, 4.36 | 0.228 |
| TG (mmol/L) | 1.11±0.54, 0.95 | 1.16±0.60, 1.02 | 0.532 |
| AFP (ng/mL) | 4.60 (3.21, 8.70) | 4.74 (2.89, 17.2) | 0.408 |
| INR | 1.11±0.12, 1.10 | 1.11±0.14, 1.09 | 0.945 |
| HBV DNA (log10 IU/mL) | 5.77±1.62, 6.05 | 5.55±1.92, 5.67 | 0.310 |
| HBsAg (log10 IU/mL) | 3.26±0.68, 3.35 | 3.28±0.68, 3.34 | 0.825 |
| HBeAg (+), *n* (%) | 61/97 (62.9) | 112/206 (54.4) | 0.162 |
| qAnti-HBc (log10 IU/mL) | 3.76±0.77, 3.76 | 3.89±0.74, 3.95 | 0.187 |
| LSM (kPa) | 11.85 (8.5, 19.3) | 12.8 (9.00, 19.65) | 0.368 |
| HAI  ≤ 4, *n* (%)  5-6, *n* (%)  7-9, *n* (%)  ≥10, *n* (%) | 30 (30.6)  37 (37.8)  21 (21.4)  10 (10.2) | 50 (23.7)  55 (62.8)  67 (31.8)  39 (18.5) | 0.021 |
| F  3-4, *n* (%)  5-6, *n* (%) | 68 (69.4)  30 (30.6) | 153 (72.5)  58 (27.5) | 0.571 |