**Supplementary Table 2. Multivariate logistic regression analysis of risk factors predicting advanced fibrosis in MAFLD patients by 1:1 randomization into testing and validation groups**

|  |  |  |  |
| --- | --- | --- | --- |
| **Factors** | **Randomized 1** | **Randomized 2** | **Randomized 3** |
|  | **Testing, *n* = 974** | **Validation, *n* = 974** | **Testing, *n* = 974** | **Validation, *n* = 974** | **Testing, *n* = 974** | **Validation, *n* = 974** |
|  | **OR (95% CI)** | ***p*-value** | **OR (95% CI)** | ***p*-value** | **OR (95% CI)** | ***p*-value** | **OR (95% CI)** | ***p*-value** | **OR (95% CI)** | ***p*-value** | **OR (95% CI)** | ***p*-value** |
| Age (years) | 1.06 (1.03–1.10) | < 0.001\* | 1.05 (1.02–1.08) | 0.002\* | 1.07 (1.04–1.10) | < 0.001\* | 1.04 (1.01–1.08) | 0.004\* | 1.07 (1.04–1.112) | < 0.001\* | 1.05 (1.02-1.08) | 0.002\* |
| Female | 0.59 (0.29–1.21) | 0.15 | 1.31 (0.66–2.63) | 0.44 | 0.98 (0.49–1.98) | 0.96 | 0.89 (0.45–1.76) | 0.73 | 1.28 (0.62–3.63) | 0.51 | 0.67 (0.34-1.31) | 0.24 |
| MAFLD phenotype |  |  |  |  |  |  |  |  |  |  |  |  |
| BMI ≤ 23 kg/m2 and ≥ 2 metabolic items | 6.37 (2.12–19.08) | 0.001\* | 5.11 (1.20–21.73) | 0.03\* | 5.57 (1.54–20.10) | 0.01\* | 5.45 (1.69–17.59) | 0.005\* | 5.37 (1.44–20.05) | 0.01\* | 4.79 (1.50-15.34) | 0.008\* |
| ≤ 23 kg/m2 and < 2 metabolic items | 1.67 (0.31–8.89) | 0.55 | 1.13 (0.29–4.38) | 0.86 | 1.07 (0.21–5.44) | 0.93 | 1.39 (0.36–5.35) | 0.64 | 1.39 (0.36–5.40) | 0.63 | 0.94 (0.02-4.27) | 0.94 |
| T2DM | 1.55 (0.71–3.38) | 0.28 | 0.33 (0.11–0.97) | 0.04\* | 0.82 (0.35–1.91) | 0.65 | 0.81 (0.35–1.91) | 0.63 | 1.10 (0.49–2.46) | 0.81 | 0.57 (0.22-1.43) | 0.23 |
| HBsAg+/anti-HCV+  | 6.03 (0.62–58.23) | 0.12 | 19.00 (4.09–88.33) | < 0.001\* | 9.06 (1.70–48.33) | 0.001\* | 15.43 (2.76–86.45) | 0.002\* | 10.75 (2.02–57.24) | 0.005\* | 15.71 (2.65-92.94) | 0.002\* |
| Anti-HCV+ | 7.83 (3.56–17.21) | < 0.001\* | 10.79 (4.87–23.93) | < 0.001\* | 8.86 (4.09–19.22) | < 0.001\* | 9.56 (4.29–21.29) | < 0.001\* | 10.27 (4.58–23.05) | < 0.001\* | 8.91 (4.11-19.30) | < 0.001\* |
| HBsAg+ | 2.71 (0.93–7.93) | 0.07 | 5.38 (2.13–13.61) | < 0.001\* | 3.01 (1.08–8.40) | 0.03\* | 4.58 (1.79–11.73) | 0.002\* | 4.59 (1.66–12.64) | 0.003\* | 3.45 (1.34-8.86) | 0.01\* |

BMI, body mass index; CI, confidence interval; OR, odds ratio; T2DM, type 2 diabetes.