**Supplementary Table 2.** Univariable unadjusted hazard ratios and 95% confidence intervals of covariates and a liver-related event

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| --- | --- | --- | --- |
|  | **Hazard ratio (HR)** | **95% Confidence Interval (CI) of HR** | ***p*-value** |
| *Histologic covariates* |  | | |
| Fibrosis stage  0-1  2  3  4 | Reference  0.78  2.73  7.93 | Reference  0.28-2.15  1.25-5.96  4.36-14.42 | 0.63  0.01  <0.01 |
| Lobular inflammation  0  1  2  3 | Reference  1.04  1.27  1.73 | Reference  0.52-2.09  0.62-2.58  0.64-4.69 | 0.91  0.51  0.28 |
| Portal inflammation  0  1  2 | Reference  2.31  2.49 | Reference  1.41-3.79  1.10-5.63 | <0.01  0.03 |
| Steatosis  0  1  2  3 | Reference  0.27  0.18  0.21 | Reference  0.11-0.66  0.08-0.45  0.08-0.53 | <0.01  <0.01  <0.01 |
| Ballooning  0  1  2 | Reference  2.06  3.02 | Reference  1.24-3.44  1.36-6.75 | <0.01  <0.01 |
| Acidophils  0  1 | Reference  0.68 | Reference  0.21-2.16 | 0.51 |
| Mallory bodies  0  1  2 | Reference  2.25  - | Reference  1.35-3.75  - | <0.01  - |
| Microvesicular fat | 2.13 | 0.92-4.92 | 0.08 |
| NAFLD activity score | 1.05 | 0.90-1.22 | 0.53 |
| *Clinical covariates* |  | | |
| Age | 1.05 | 1.03-1.07 | <0.01 |
| BMI  Underweight/Normal  Overweight  Obese | Reference  1.82  1.19 | Reference  0.63-5.27  0.43-3.32 | 0.27  0.74 |
| Gender  Male  Female | Reference  0.71 | Reference  0.45-1.14 | 0.16 |
| Race  White  Asian  Black | Reference  0.62  0.91 | Reference  0.09-4.44  0.28-2.90 | 0.63  0.87 |
| Ethnicity  Non-Hispanic  Hispanic | Reference  0.89 | Reference  0.50-1.57 | 0.68 |
| Smoker  Never smoker  Former smoker  Current smoker | Reference  1.96  0.66 | Reference  1.20-3.19  0.23-1.85 | <0.01  0.42 |
| Hypertension | 2.21 | 1.31-3.73 | <0.01 |
| Type 2 diabetes mellitus | 1.96 | 1.21-3.17 | <0.01 |
| Coronary artery disease | 2.58 | 1.38-4.80 | <0.01 |
| Chronic kidney disease | 2.03 | 0.97-4.24 | 0.06 |
| Congestive heart failure | 1.86 | 0.68-5.11 | 0.23 |
| Obstructive sleep apnea | 1.07 | 0.58-1.97 | 0.83 |
| *Medications* |  |  |  |
| DPP-4 inhibitor | 3.34 | 1.05-10.64 | 0.04 |
| GLP-1 agonist | 1.66 | 0.60-4.55 | 0.33 |
| Metformin | 1.81 | 0.93-3.53 | 0.08 |
| Statin | 1.05 | 0.52-2.11 | 0.23 |