**Supplementary Table 3.** Univariable unadjusted hazard ratios and 95% confidence intervals of covariates and liver decompensation

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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  1.17  3.35  10.64 | Reference  0.29-4.68  1.08-10.40  4.38-25.86 | 0.82  0.04  <0.01 |
| Lobular inflammation  0  1  2  3 | Reference  0.76  0.95  0.71 | Reference  0.32-1.77  0.40-2.24  0.15-3.36 | 0.52  0.90  0.67 |
| Portal inflammation  0  1  2 | Reference  2.04  1.54 | Reference  1.08-3.87  0.46-5.21 | 0.03  0.48 |
| Steatosis  0  1  2  3 | Reference  0.34  0.17  0.22 | Reference  0.12-1.03  0.05-0.52  0.07-0.70 | 0.06  <0.01  <0.01 |
| Ballooning  0  1  2 | Reference  2.63  1.88 | Reference  1.33-5.21  0.53-6.66 | <0.01  0.33 |
| Acidophils  0  1 | Reference  0.81 | Reference  0.20-3.35 | 0.77 |
| Mallory bodies  0  1  2 | Reference  2.95  - | Reference  1.56-5.57  - | <0.01  - |
| Microvesicular fat | 0.85 | 0.21-3.52 | 0.82 |
| NAFLD activity score | 0.96 | 0.79-1.16 | 0.64 |
| *Clinical covariates* |  | | |
| Age | 1.06 | 1.03-1.09 | <0.01 |
| BMI  Underweight/Normal  Overweight  Obese | Reference  5.37  2.74 | Reference  0.71-40.50  0.37-20.25 | 0.10  0.32 |
| Gender  Male  Female | Reference  0.89 | Reference  0.48-1.66 | 0.71 |
| Race  White  Asian  Black | Reference  1.15  1.07 | Reference  0.16-8.42  0.26-4.45 | 0.89  0.93 |
| Ethnicity  Non-Hispanic  Hispanic | Reference  1.04 | Reference  0.51-2.13 | 0.91 |
| Smoker  Never smoker  Former smoker  Current smoker | Reference  2.26  0.63 | Reference  1.20-4.24  0.15-2.71 | <0.01  0.53 |
| Hypertension | 4.09 | 1.81-9.27 | <0.01 |
| Type 2 diabetes mellitus | 2.17 | 1.14-4.10 | 0.01 |
| Coronary artery disease | 2.34 | 1.04-5.28 | 0.04 |
| Chronic kidney disease | 1.70 | 0.61-4.78 | 0.31 |
| Congestive heart failure | 1.56 | 0.37-6.47 | 0.54 |
| Obstructive sleep apnea | 0.97 | 0.42-2.20 | 0.93 |
| *Medications* |  |  |  |
| DPP-4 inhibitor | 3.63 | 0.88-15.04 | 0.08 |
| GLP-1 agonist | 2.18 | 0.67-7.08 | 0.20 |
| Metformin | 1.74 | 0.73-4.13 | 0.21 |
| Statin | 1.23 | 0.68-3.32 | 0.32 |