**Supplementary table 1:** binary logistic regression analyses of factors associated with non-cirrhotic NAFLD (Model A), with NASH-related cirrhosis (Model B), with alcoholic cirrhosis (Model C) and with HCV-related cirrhosis (panel D), compared to controls with normal liver.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Model A** | **Model B** | **Model C** | **Model D** |
|  | **non-cirrhotic NAFLD vs CTRL****OR [95% of CI]** | **p** | **CIR-NASH vs CTRL****OR [95% of CI]** | **p** | **CIR-ALD vs****CTRL****OR [95% of CI]** | **p** | **CIR-HCV vs CTRL****OR [95% of CI]** | **p** |
| **Blood total LAL (nanomoles/spot/h)** | 0.196[0.068–0.568] | **0.003** | 0.003[0.000–0.058] | **<0.001** | 0.227[0.070–0.735] | **0.013** | 0.181[0.040–0.827] | **0.027** |
| **Male sex** |  |  | 2.076[0.482–8.934] | 0.327 | 21.434[5.054–90.900] | **<0.001** |  |  |
| **Age (years)** |  |  | 1.049[0.998–1.104] | 0.061 | 1.046[1.009–1.085] | **0.014** | 1.059[1.026–1.093] | **<0.000** |
| **BMI** | 1.273[1.146–1.413] | **<0.001** | 1.268[1.063–1.511] | **0.008** | 1.260[1.074–1.478] | **0.005** |  |  |
| **Diabetes** | 3.794[1.161–12.402] | **0.027** | 194.687[8.414–0.4504.604] | **0.001** | 11.074[2.220–55.246] | **0.003** |  |  |
| **Arterial Hypertension** |  |  | 0.196[0.068–0.568] | **0.003** |  |  |  |  |
| **Dyslipidemia** | 1.039[0.465–2.322] | 0.927 |  |  | 0.085[0.024–0.302] | **<0.001** | 0.318[0.110–0.917] | **0.034** |
| **Statin use** |  |  | 0.009[0.000–0.316] | **0.010** | 0.263[0.045–1.546] | 0.998 | 0[0–] | 0.998 |

CIR-ALD, patients with alcoholic cirrhosis; CIR-HCV, patients with HCV-related cirrhosis; CIR-NASH, patients with NASH-related cirrhosis; CTRL, controls with normal liver; non-cirrhoticNAFLD, non-cirrhotics with NAFLD.