

**ESM Table 5. Multivariable association between liver markers and incident coronary artery disease events (all subjects). Values are hazard ratios (95%CI)**

	Model 1	p value	Model 2	p value	Model 3	p value
ALT, U/L	1.00 (0.98,1.02)	0.976	1.00 (0.98,1.02)	0.911	1.00 (0.98,1.02)	0.742
AST, U/L	1.02 (1.00,1.04)	0.148	1.02 (0.99,1.04)	0.151	1.01 (0.99,1.03)	0.316
GGT, log <sub>2</sub> <sup>a</sup>	1.31 (1.10,1.58)	0.003	1.33 (1.11,1.59)	0.002	1.24 (1.02,1.51)	0.032
Steatosis, % yes <sup>b</sup>	1.62 (0.86,3.05)	0.133	1.70 (0.90,3.20)	0.103	1.12 (0.82,3.04)	0.175
CK18, log <sub>2</sub> <sup>a, b</sup>	1.15 (0.81,1.65)	0.440	1.20 (0.83,1.73)	0.328	1.08 (0.74,1.57)	0.687
APRI, log <sub>2</sub> <sup>a</sup>	1.06 (0.70,1.60)	0.775	0.98 (0.63,1.53)	0.932	0.93 (0.60,1.45)	0.751
AST:ALT ratio	3.95 (1.03,15.17)	0.045	3.39 (0.87,13.28)	0.080	3.72 (0.96,14.53)	0.058
ELF score <sup>c</sup>	1.18 (0.89,1.55)	0.251	1.13 (0.81,1.57)	0.474	1.019 (0.68,1.49)	0.963
FIB4	1.31 (0.89,1.92)	0.167	1.16 (0.75,1.79)	0.504	1.11 (0.72,1.71)	0.628
NFS	1.00 (0.90,1.10)	0.934	0.99 (0.89,1.10)	0.859	0.97 (0.87,1.07)	0.535
Platelets, x10 <sup>9</sup> /L	1.00 (1.00,1.0)	0.359	1.00 (1.00,1.01)	0.114	1.00 (1.00,1.01)	0.132

<sup>a</sup> APRI, CK18 and GGT analysed on the Log<sub>2</sub> scale for linearization, therefore odds ratios relate to a doubling of the marker; <sup>b</sup> incident CAD n=16/561; <sup>c</sup> incident CAD n=13/444.

Model 1 – Unadjusted; Model 2 - Adjusted for age and sex; Model 3 - Adjusted for age, sex, duration of diabetes, treatment of diabetes, lipid lowering drugs, blood pressure lowering drugs, deprivation (Scottish Index of Multiple Deprivation quintile), smoking status, excess alcohol consumption, body mass index,

systolic blood pressure, diastolic blood pressure, HbA1c, HDL cholesterol, total cholesterol and estimated glomerular filtration rate. Incident analysis additionally adjusted for prevalence cardiovascular disease at baseline.

**ALT** alanine aminotransferase; **APRI** aspartate aminotransferase to platelet ratio index; **AST** aspartate aminotransferase; **CK18** cytokeratin-18; **ELF** Enhanced Liver Fibrosis; **FIB4** Fibrosis-4 score; **GGT** gammaglutamyl transferase; **NFS** NAFLD Fibrosis Score