

**Supplementary Table 3.** Independent factors related to intracranial and extracranial atherosclerosis in the entire cirrhotic cohort

Variable	Univariate analysis			Multivariate analysis		
	OR	95% CI	P-value	OR	95% CI	P-value
Intracranial atherosclerosis						
Cerebrovascular factors						
Age ≥60 years	2.44	1.00–5.64	0.040	-	-	-
Male sex	0.46	0.20–1.11	0.072	-	-	-
Family history of CVD	1.47	0.23–5.17	0.610	-	-	-
Smoking status						
Never	1 (ref)			-	-	-
Current	0.99	0.22–3.30	0.992	-	-	-
Former	1.04	0.42–2.55	0.937	-	-	-
BMI ≥25 kg/m <sup>2</sup>	0.26	0.01–1.23	0.184	-	-	-
Hypertension	1.28	0.53–2.95	0.571	-	-	-
Diabetes mellitus	3.31	1.43–7.72	0.005	2.24	0.91–5.51	0.078
Hyperlipidemia	15.27	2.15–70.91	0.001	6.80	0.97–47.84	0.054
Coronary factors						
Obstructive CAD	4.33	1.52–10.78	0.003	-	-	-
CAC score						
0	1 (ref)			1 (ref)		
1–99	1.85	0.54–5.86	0.296	1.39	0.42–4.62	0.587
≥100	6.65	2.57–18.37	<0.001	4.06	1.45–11.41	0.008
Hepatic factors						
Etiology of liver disease						
HBV	0.06	0.06–1.62	0.075	-	-	-
HCV	0.24	0.11–5.56	0.713	-	-	-
Alcohol drinking	0.39	0.06–3.07	0.316	-	-	-
NAFLD	2.50	0.50–18.30	0.293	-	-	-
Others	1 (ref)					
Thrombocytopenia*	0.23	0.10–0.53	<0.001	0.31	0.13–0.76	0.010
Albumin (g/dL)	1.11	0.58–2.09	0.760	-	-	-
Total bilirubin (mg/dL)	0.92	0.78–1.01	0.179	-	-	-
Creatinine (mg/dL)	1.08	0.63–1.39	0.686	-	-	-
INR	0.23	0.04–0.88	0.059	-	-	-
CTP class						
CTP A	1 (ref)					
CTP B	1.85	0.68–5.88	0.251	-	-	-
CTP C	1.18	0.35–4.12	0.791	-	-	-
MELD score	0.95	0.88–1.02	0.195	-	-	-
Presence of HCC	0.74	0.32–1.70	0.474	-	-	-
Extracranial atherosclerosis						
Cerebrovascular factors						
Age ≥60 years	2.66	1.43–4.83	0.002	1.97	1.05–3.72	0.036

**Supplementary Table 3.** Continted

Variable	Univariate analysis			Multivariate analysis		
	OR	95% CI	P-value	OR	95% CI	P-value
Male sex	0.98	0.51–2.06	0.961	-	-	-
Family history of CVD	2.37	0.87–5.43	0.061	-	-	-
Smoking status						
Never	1 (ref)					
Current	1.47	0.56–3.54	0.404	-	-	-
Former	1.59	0.84–3.09	0.162	-	-	-
BMI >25 kg/m <sup>2</sup>	0.83	0.31–1.86	0.683	-	-	-
Hypertension	1.13	0.60–2.05	0.703	-	-	-
Diabetes mellitus	2.27	1.24–4.11	0.007	1.70	0.91–3.17	0.096
Hyperlipidemia	2.91	0.15–16.84	0.323	-	-	-
Coronary factors						
Obstructive CAD	3.94	1.84–7.85	<0.001	-	-	-
CAC score						
0	1 (ref)			1 (ref)		
1–99	1.56	0.65–3.57	0.297	1.31	0.56–3.08	0.536
≥100	7.00	3.59–14.06	<0.001	5.43	2.68–11.00	<0.001
Hepatic factors						
Etiology of liver disease						
HBV	1.33	0.27–24.16	0.780	-	-	-
HCV	3.04	0.49–58.67	0.312	-	-	-
Alcohol drinking	2.85	0.52–53.11	0.327	-	-	-
NAFLD	4.00	0.56–80.37	0.225	-	-	-
Others	1 (ref)					
Thrombocytopenia*	0.53	0.29–1.00	0.043	-	-	-
Albumin (g/dL)	0.90	0.57–1.41	0.633	-	-	-
Total bilirubin (mg/dL)	1.01	0.97–1.04	0.538	-	-	-
Creatinine (mg/dL)	1.09	0.80–1.34	0.471	-	-	-
INR	0.70	0.30–1.40	0.359	-	-	-
CTP class						
CTP A	1 (ref)					
CTP B	1.86	0.93–3.98	0.093	-	-	-
CTP C	0.88	0.36–2.13	0.782	-	-	-
MELD score	1.00	0.96–1.05	0.902	-	-	-
Presence of HCC	1.21	0.67–2.22	0.537	-	-	-

There was no significant multicollinearity, as all variance inflation factor values measured between variables were <5.

OR, odds ratio; CI, confidence interval; CVD, cerebrovascular disease; BMI, body mass index; CAD, coronary artery disease; CAC, coronary artery calcium; HBV, hepatitis B virus; HCV, hepatitis C virus; NAFLD, nonalcoholic fatty liver disease; INR, international normalized ratio; CTP, Child-Turcott-Pugh; MELD, model for end-stage liver disease; HCC, hepatocellular carcinoma.

\*Platelet count <1×10<sup>9</sup>/μL.