

Supplementary Digital Content 5 - Cox proportional hazard regression analysis – Dependent variable: Postoperative delirium

	β	Standard error	Wald	HR	95%CI HR	P-value
(A) Model without baseline serum neurofilament light						
EuroSCORE II, %	0.12	0.06	3.99	1.12	1.00, 1.26	0.046
Global cognitive z score	-0.53	0.13	17.34	0.59	0.46, 0.76	<0.001
(B) Model including all the variables						
EuroSCORE II, %	0.08	0.06	1.64	1.09	0.96, 1.23	0.200
Global cognitive z score	-0.47	0.14	12.00	0.62	0.48, 0.82	0.001
Baseline serum neurofilament light (log ₁₀)	0.76	0.53	2.02	2.13	0.75, 6.04	0.155
(C) Model without global cognitive z score						
EuroSCORE II, %	0.12	0.06	3.73	1.13	1.00, 1.27	0.053
Baseline serum neurofilament light (log ₁₀)	1.31	0.48	7.59	3.70	1.46, 9.40	0.006

Abbreviation: EuroSCORE = European System for Cardiac Operative Risk Evaluation ; HR = Hazard Ratio