

**Supplementary Table SI. Multivariable Cox Regression Analysis after Excluding Patients with Prior Stroke**

Variables	HR (95% CI) and P value									
	Model 0		Model 1		Model 2		Model 3		Model 4	
Impaired Cognition	1.77 (1.22-2.56)	0.002	1.69 (1.12-2.56)	0.012	1.64 (1.08-2.48)	0.02	1.65 (1.08-2.50)	0.019	1.63 (1.07-2.47)	0.023
Male			2.62 (1.51-4.51)	< 0.001	2.68 (1.49-4.80)	< 0.001	2.83 (1.56-5.13)	< 0.001	2.84 (1.56-5.16)	< 0.001
Age > 60 years			1.91 (1.25-2.93)	0.003	1.77 (1.14-2.73)	0.01	1.70 (1.10-2.64)	0.017	1.75 (1.13-2.71)	0.013
Education duration										
> 12 years										
7-12 years			1.36 (0.85-2.18)	0.197	1.34 (0.84-2.15)	0.224	1.36 (0.85-2.19)	0.205	1.37 (0.85-2.21)	0.191
0-6 years			1.02 (0.52-2.02)	0.946	1.00 (0.50-1.97)	0.989	1.01 (0.51-2.00)	0.987	1.01 (0.51-2.00)	0.986
Smoke status										
Never (ref)										
Former					1.31 (0.79-2.18)	0.291	1.30 (0.78-2.15)	0.315	1.29 (0.78-2.14)	0.329
Current					0.97 (0.61-1.55)	0.903	0.92 (0.58-1.47)	0.726	0.93 (0.58-1.48)	0.749
T2DM					1.36 (0.94-1.97)	0.108	1.33 (0.91-1.94)	0.137	1.32 (0.91-1.93)	0.146
Hypertension					1.74 (1.14-2.67)	0.011	1.75 (1.14-2.69)	0.01	1.67 (1.06-2.64)	0.026

Variables	HR (95% CI) and P value							
	Model 0	Model 1	Model 2	Model 3	Model 4			
Obesity			0.82 (0.53-1.28)	0.391	0.82 (0.53-1.27)	0.372	0.81 (0.52-1.25)	0.338
CKD 3-5stage			2.26 (1.23-4.14)	0.009	2.10 (1.14-3.86)	0.018	2.09 (1.13-3.85)	0.019
LDL < 1.8mmol/L			0.58 (0.38-0.87)	0.009	0.59 (0.39-0.90)	0.013	0.59 (0.39-0.89)	0.012
Prior AMI			1.65 (0.91-2.96)	0.097	1.61 (0.89-2.90)	0.115	1.51 (0.83-2.74)	0.177
Prior Revascularization			1.15 (0.76-1.75)	0.509	1.21 (0.80-1.84)	0.368	1.19 (0.78-1.81)	0.417
Heart Failure			2.37 (1.02-5.53)	0.045	2.27 (0.97-5.31)	0.058	2.17 (0.91-5.15)	0.08
ALT					1.00 (0.99-1.01)	0.769	1.00 (0.99-1.02)	0.643
WBC					1.06 (0.97-1.16)	0.188	1.06 (0.96-1.16)	0.239
HB					0.99 (0.98-1.00)	0.11	0.99 (0.98-1.00)	0.073
hs-CRP					1.07 (1.01-1.13)	0.024	1.07 (1.01-1.13)	0.026
SDS score					1.03 (1.00-1.07)	0.073	1.03 (1.00-1.07)	0.077
SAS score					0.95 (0.91-1.00)	0.042	0.95 (0.91-1.00)	0.048
Aspirin							0.80 (0.11-5.83)	0.829

Variables	HR (95% CI) and P value				
	Model 0	Model 1	Model 2	Model 3	Model 4
P2Y12ri					1.26 (0.73-2.17) 0.403
$\beta$ -blocker					1.15 (0.78-1.69) 0.477
ACEI/ARB					1.14 (0.76-1.71) 0.528
Statin					1.97 (0.60-6.41) 0.261

**Supplementary Table SII.** Multivariable Cox Regression Analysis when Applying Standard Educational Adjustments to MoCA Scores

Variables	HR (95% CI) and P value									
	Model 0		Model 1		Model 2		Model 3		Model 4	
Impaired Cognition	1.79 (1.26-2.55)	0.001	1.72 (1.16-2.56)	0.008	1.60 (1.07-2.39)	0.022	1.60 (1.07-2.39)	0.023	1.58 (1.06-2.37)	0.026
Male			2.06 (1.26-3.35)	0.004	2.04 (1.20-3.44)	0.008	2.16 (1.26-3.70)	0.005	2.18 (1.27-3.73)	0.005
Age > 60 years			1.99 (1.31-3.02)	0.001	1.83 (1.20-2.79)	0.005	1.76 (1.15-2.70)	0.01	1.81 (1.18-2.78)	0.007
Education duration										
> 12 years										
7-12 years			1.19 (0.76-1.85)	0.442	1.17 (0.75-1.83)	0.488	1.17 (0.75-1.83)	0.499	1.19 (0.76-1.86)	0.453
0-6 years			0.89 (0.47-1.68)	0.711	0.86 (0.45-1.64)	0.643	0.86 (0.45-1.65)	0.651	0.87 (0.45-1.66)	0.666
Smoke status										
Never (ref)										
Former					1.32 (0.81-2.15)	0.265	1.30 (0.80-2.11)	0.298	1.31 (0.80-2.13)	0.282
Current					0.94 (0.60-1.49)	0.806	0.90 (0.57-1.43)	0.659	0.91 (0.57-1.44)	0.678
T2DM					1.34 (0.94-1.92)	0.106	1.31 (0.91-1.88)	0.141	1.29 (0.90-1.85)	0.163

Variables	HR (95% CI) and P value							
	Model 0	Model 1	Model 2	Model 3	Model 4			
Hypertension			1.62 (1.08-2.44)	0.02	1.62 (1.08-2.44)	0.021	1.50 (0.97-2.32)	0.07
Obesity			0.81 (0.53-1.25)	0.343	0.80 (0.52-1.24)	0.32	0.79 (0.51-1.22)	0.292
CKD 3-5stage			2.21 (1.26-3.90)	0.006	2.02 (1.14-3.59)	0.016	2.01 (1.13-3.57)	0.017
LDL < 1.8mmol/L			0.59 (0.40-0.87)	0.008	0.60 (0.40-0.89)	0.011	0.59 (0.40-0.88)	0.01
Prior AMI			1.70 (0.96-2.99)	0.068	1.66 (0.94-2.94)	0.079	1.52 (0.85-2.70)	0.155
Prior Revascularization			1.08 (0.72-1.62)	0.72	1.12 (0.74-1.69)	0.591	1.09 (0.72-1.64)	0.689
Prior Stroke			1.65 (0.86-3.20)	0.135	1.55 (0.80-3.02)	0.195	1.64 (0.85-3.18)	0.143
Heart Failure			2.25 (0.97-5.20)	0.058	2.18 (0.94-5.06)	0.068	1.95 (0.83-4.60)	0.126
ALT					1.00 (0.99-1.01)	0.859	1.00 (0.99-1.02)	0.71
WBC					1.08 (0.99-1.17)	0.077	1.07 (0.99-1.17)	0.104
HB					0.99 (0.98-1.00)	0.066	0.99 (0.98-1.00)	0.038
hs-CRP					1.04 (0.99-1.10)	0.122	1.05 (0.99-1.11)	0.1

Variables	HR (95% CI) and P value				
	Model 0	Model 1	Model 2	Model 3	Model 4
SDS score				1.03 (1.00-1.07) 0.04	1.04 (1.00-1.07) 0.034
SAS score				0.96 (0.92-1.00) 0.053	0.96 (0.91-1.00) 0.05
Aspirin					0.88 (0.12-6.38) 0.896
P2Y12ri					1.36 (0.80-2.30) 0.255
$\beta$ -blocker					1.20 (0.83-1.73) 0.346
ACEI/ARB					1.24 (0.84-1.84) 0.273
Statin					2.24 (0.68-7.30) 0.183

**Supplementary Table SIII. Multivariable Cox Regression Analysis in the Propensity Score-Matched Cohort.**

Variables	HR (95% CI) and P value									
	Model 0		Model 1		Model 2		Model 3		Model 4	
Impaired Cognition	1.59 (1.02-2.49)	0.041	1.64 (1.05-2.56)	0.03	1.58 (1.01-2.48)	0.045	1.59 (1.01-2.49)	0.044	1.57 (1.00-2.47)	0.05
Male			2.44 (1.36-4.38)	0.003	2.44 (1.29-4.62)	0.006	2.80 (1.45-5.38)	0.002	2.89 (1.50-5.58)	0.002
Age > 60 years			2.06 (1.17-3.64)	0.012	1.80 (1.01-3.19)	0.045	1.70 (0.95-3.03)	0.073	1.79 (1.00-3.20)	0.051
Education duration										
> 12 years										
7-12 years			0.83 (0.45-1.51)	0.536	0.82 (0.45-1.49)	0.51	0.79 (0.43-1.46)	0.458	0.84 (0.45-1.54)	0.567
0-6 years			0.92 (0.41-2.09)	0.85	0.87 (0.38-1.99)	0.747	0.83 (0.37-1.90)	0.667	0.85 (0.37-1.96)	0.711
Smoke status										
Never (ref)										
Former					1.49 (0.82-2.70)	0.187	1.48 (0.81-2.69)	0.202	1.51 (0.83-2.74)	0.174
Current					1.02 (0.59-1.80)	0.931	1.01 (0.58-1.78)	0.965	1.06 (0.60-1.86)	0.853
T2DM					1.72 (1.10-2.69)	0.018	1.67 (1.07-2.63)	0.025	1.67 (1.06-2.62)	0.027

Variables	HR (95% CI) and P value							
	Model 0	Model 1	Model 2	Model 3	Model 4			
Hypertension			1.83 (1.08-3.10)	0.024	1.89 (1.11-3.21)	0.018	1.76 (1.00-3.10)	0.049
Obesity			0.67 (0.38-1.18)	0.161	0.66 (0.37-1.16)	0.146	0.65 (0.37-1.14)	0.134
CKD 3-5stage			2.61 (1.39-4.89)	0.003	2.35 (1.23-4.47)	0.009	2.44 (1.28-4.64)	0.007
LDL < 1.8mmol/L			0.66 (0.41-1.06)	0.088	0.65 (0.40-1.06)	0.087	0.64 (0.39-1.05)	0.076
Prior AMI			1.36 (0.61-3.02)	0.452	1.38 (0.62-3.09)	0.431	1.24 (0.55-2.79)	0.608
Prior Revascularization			0.87 (0.52-1.47)	0.612	0.91 (0.54-1.53)	0.715	0.89 (0.53-1.50)	0.659
Prior Stroke			1.69 (0.86-3.33)	0.129	1.64 (0.83-3.24)	0.156	1.73 (0.88-3.41)	0.113
Heart Failure			1.07 (0.26-4.44)	0.925	1.11 (0.27-4.62)	0.889	0.99 (0.23-4.17)	0.988
ALT					1.01 (0.99-1.02)	0.528	1.01 (0.99-1.03)	0.371
WBC					1.06 (0.95-1.18)	0.285	1.05 (0.95-1.17)	0.348
HB					0.99 (0.98-1.00)	0.024	0.99 (0.98-1.00)	0.008
hs-CRP					1.04 (0.98-1.11)	0.212	1.05 (0.98-1.12)	0.175

Variables	HR (95% CI) and P value							
	Model 0	Model 1	Model 2	Model 3	Model 4			
SDS score				1.04 (1.00-1.08)	0.035	1.04 (1.00-1.09)		0.028
SAS score				0.96 (0.91-1.01)	0.153	0.96 (0.91-1.01)		0.126
P2Y12ri						1.41 (0.73-2.73)		0.309
$\beta$ -blocker						1.15 (0.74-1.80)		0.532
ACEI/ARB						1.28 (0.79-2.05)		0.313
Statin						2.92 (0.68-12.52)		0.15