

eTable 4. Association of Retinal Microvascular Abnormality and its Subtypes with All-Cause and Cause-Specific Mortality using Propensity Score Matching ^a

	Hazard Ratio (95% CI)					
	Any RMA		Retinopathy		AVN	
Model	Absent	Present	Absent	Present	Absent	Present
All-cause mortality						
Deaths, No./total No.	280/924	336/924	150/520	180/520	149/473	180/473
Model 1 ^b	1 [Ref]	1.44 (1.23-1.69)	1 [Ref]	1.60 (1.27-2.00)	1 [Ref]	1.22 (0.98-1.53)
Model 2 ^d	1 [Ref]	1.42 (1.18-1.71)	1 [Ref]	1.68 (1.32-2.13)	1 [Ref]	1.20 (0.90-1.61)
Model 3 ^d	1 [Ref]	1.38 (1.13-1.68)	1 [Ref]	1.64 (1.27-2.12)	1 [Ref]	1.13 (0.84-1.51)
CVD mortality						
Deaths, No./total No.	96/924	123/924	47/520	64/520	52/473	70/473
Model 1 ^b	1 [Ref]	1.50 (1.17-1.94)	1 [Ref]	2.18 (1.42-3.35)	1 [Ref]	1.13 (0.82-1.58)
Model 2 ^c	1 [Ref]	1.50 (1.14-1.98)	1 [Ref]	2.30 (1.42-3.71)	1 [Ref]	1.16 (0.78-1.71)
Model 3 ^d	1 [Ref]	1.44 (1.06-1.95)	1 [Ref]	2.27 (1.27-4.07)	1 [Ref]	1.06 (0.66-1.69)
Cancer mortality						
Deaths, No./total No.	62/924	60/924	36/520	25/520	27/473	39/473
Model 1 ^b	1 [Ref]	1.03 (0.74-1.44)	1 [Ref]	0.71 (0.37-1.37)	1 [Ref]	1.53 (0.87-2.70)
Model 2 ^d	1 [Ref]	0.98 (0.69-1.40)	1 [Ref]	0.74 (0.33-1.63)	1 [Ref]	1.57 (0.87-2.82)
Model 3 ^d	1 [Ref]	0.98 (0.67-1.41)	1 [Ref]	0.73 (0.33-1.63)	1 [Ref]	1.44 (0.78-2.68)
Other mortality						
Deaths, No./total No.	54/924	87/924	67/520	91/520	70/473	71/473
Model 1 ^b	1 [Ref]	1.60 (1.16-2.20)	1 [Ref]	1.75 (1.23-2.51)	1 [Ref]	1.18 (0.84-1.65)
Model 2 ^d	1 [Ref]	1.59 (1.16-2.18)	1 [Ref]	1.81 (1.29-2.54)	1 [Ref]	1.14 (0.77-1.68)
Model 3 ^d	1 [Ref]	1.60 (1.16-2.21)	1 [Ref]	1.81 (1.29-2.54)	1 [Ref]	1.07 (0.77-1.49)

Abbreviation: AVN, arteriovenous nicking; CI, confidence interval; CVD, cardiovascular disease; FAN, focal arteriolar narrowing; Ref, reference.

^a Propensity score matching was not conducted for focal arteriolar narrowing or Hollenhorst plaque due to limited cases for matching.

^b Adjusted for age (continuous), sex (male or female), and race (non-Hispanic White, non-Hispanic Black, Mexican American, or other).

^c Further adjusted for educational level (<high school, high school, or $\geq$ some college), marital status (married/living with partner, or widowed/divorced/separated/never married), family income level (IPR <1.3, 1.3-3.5, or $\geq$ 3.5), body mass index (calculated as weight in kilograms divided by height in meters squared: <25.0, 25.0-29.9, or $\geq$ 30.0), smoking status (never, past, or current), alcohol consumption (never, former, or current).

^d Further adjusted for general health condition (excellent to good, or fair/poor), diabetes (yes or no), hypertension (yes or no), hypercholesteremia (yes or no), histories of congestive heart failure (yes or no), coronary heart disease (yes or no), angina (yes or no), heart attack (yes or no), and stroke (yes or no).