

Table 4. Risk factors for decrease in visual acuity in ocular VHL disease during study follow-up: logistic regression analyses by eye

Baseline status	# eyes	Follow-up condition	# eyes	Risk Factors (p-value)								
				Sex	Genotypic category of germline VHL mutation**	Younger baseline age	Younger age of onset	Fellow eye involved	Ever-smoker	Decreased BMI	Increased peripheral RCH number [≥ 3 RCHs vs 1-2 RCH(s)]	Increased peripheral RCH extent [≥ 1 quadrant vs <1 quadrant]
Visual acuity >15 letters	454	Visual acuity ≤15 letters (20/1000)	16	0.35	0.26	0.15	0.03*	0.02*	0.97	0.95	0.98	0.002*
Visual acuity >35 letters	447	Visual acuity ≤35 letters (20/200)	18	0.66	0.59	0.80	0.003*	0.002*	0.41	0.66	0.76	0.001*
All	498	Decrease in visual acuity ≥15 letters	55	0.45	0.65	0.14	0.42	0.01*	0.39	0.90	0.08	0.03*

Key: VHL = von Hippel-Lindau; RCH = retinal capillary hemangioblastoma; BMI = body mass index. ** indicates p-value for adjusted type 3 analysis of effects / Chi-square test for difference among multiple categorical strata