

Table S1. Diagnostic performance for individual detection of referable DR and AMD of RetCAD v.1.3.0 and observers compared with reference standard in the DR-AMD dataset.

		RetCAD		Obs. 1		Obs. 2		Obs. 3		Obs. 4	
DR (527 images)		R	NR	R	NR	R	NR	R	NR	R	NR
RS	R	98	10	59	49	64	44	81	27	65	43
	NR	38	381	6	413	10	409	13	406	8	411
		SE (%) (95% CI)		91.7 (85.3-98.0)		54.6 (40.4-67.3)		59.3 (45.6-72.1)		75.0 (63.2-86.4)	
		SP (%) (95% CI)		90.9 (86.7-96.7)		98.6 (96.7-100.0)		97.6 (95.4-99.5)		96.9 (94.4-99.0)	
AMD (489 images)		R	NR	R	NR	R	NR	R	NR	R	NR
RS	R	61	9	57	13	39	31	60	10	58	12
	NR	33	386	18	401	5	414	15	404	21	398
		SE (%) (95% CI)		88.6 (83.8-100.0)		81.4 (66.7-94.3)		55.7 (39.0-72.4)		85.7 (73.3-96.8)	
		SP (%) (95% CI)		92.1 (84.3-95.2)		95.7 (92.9-98.1)		98.8 (97.1-100.0)		96.4 (93.7-98.6)	

For individual detection of referable DR: 527 images with referable DR and control cases. For individual detection of referable AMD: 489 images with referable AMD and control cases.

Abbreviations: DR, Diabetic retinopathy; AMD, Age-related macular degeneration; RS, Reference standard; Obs., Observer; R, Referable; NR, Non-referable; C, Control; SE, Sensitivity; SP, Specificity; CI, Confidence interval.