

Supplemental Table 1. Diagnostics for predicting disease status from contrast sensitivity and visual acuity

Outcome	Predictor	AUC (95% CI)	P-value*
Glaucoma	Eye-based All Eyes CS & VA	0.57 (0.54, 0.60)	<0.0001
	Patient-based Better CS & VA	0.58 (0.54, 0.62)	<0.0001
	Patient-based Worse CS & VA	0.60 (0.56, 0.64)	<0.0001
	Patient-based Difference CS & VA	0.58 (0.54, 0.62)	0.0001
Diabetic Retinopathy	Eye-based All Eyes CS & VA	0.69 (0.64, 0.73)	<0.0001
	Patient-based Better CS & VA	0.70 (0.64, 0.76)	<0.0001
	Patient-based Worse CS & VA	0.68 (0.62, 0.73)	<0.0001
	Patient-based Difference CS & VA	0.56 (0.49, 0.62)	0.0986
Cataract	Eye-based All Eyes CS & VA	0.67 (0.65, 0.70)	<0.0001
	Patient-based Better CS & VA	0.62 (0.58, 0.66)	<0.0001
	Patient-based Worse CS & VA	0.66 (0.63, 0.70)	<0.0001
	Patient-based Difference CS & VA	0.59 (0.54, 0.63)	<0.0001
Age-related Macular Degeneration	Eye-based All Eyes CS & VA	0.70 (0.62, 0.77)	<0.0001
	Patient-based Better CS & VA	0.73 (0.63, 0.83)	<0.0001
	Patient-based Worse CS & VA	0.67 (0.55, 0.78)	0.0039
	Patient-based Difference CS & VA	0.56 (0.44, 0.67)	0.3265

,Area Under Curve; CI, Confidence Interval; CS, Contrast Sensitivity; VA, Visual Acuity

*test of AUC significantly different from 0.5