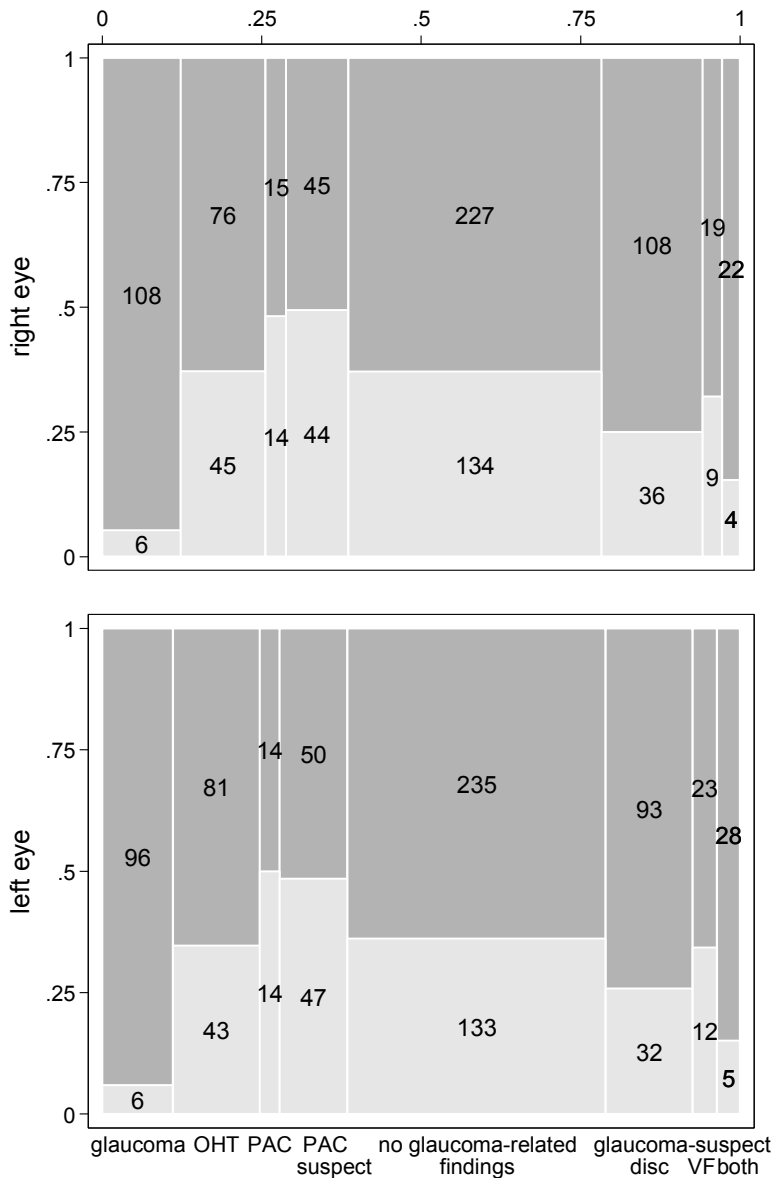


Table 1. Receiver Operator Characteristics (ROC) curve models in which covariates are added one at a time.

	Model	n	AUC	p-value	Sensitivity at 95% specificity	Specificity at 95% sensitivity
	Average RNFL thickness					
1	Average RNFL, worse eye	903	0.83 (0.79-0.87)	reference	0.38 (0.13-0.52)	0.36 (0.26-0.47)
2	1 and interocular difference*	890	0.83 (0.80-0.87)	0.135	0.36 (0.25-0.48)	0.42 (0.16-0.55)
3	2 and difference superior to inferior temporal*, worse eye	890	0.84 (0.81-0.88)	0.614	0.40 (0.26-0.51)	0.42 (0.27-0.57)
4	3 and scan quality, mean of two eyes	889	0.86 (0.83-0.90)	0.006	0.43 (0.27-0.53)	0.47 (0.27-0.59)
5	4 and IOP, higher eye	866	0.86 (0.83-0.89)	0.020	0.43 (0.26-0.54)	0.47 (0.23-0.60)
6	5 and spherical equivalent, higher eye	866	0.87 (0.84-0.90)	0.004	0.45 (0.33-0.57)	0.47 (0.33-0.66)
7	6 and age	880	0.87 (0.84-0.91)	0.004	0.47 (0.33-0.57)	0.46 (0.33-0.69)
	Inferior sector RNFL thickness					
1	Inferior RNFL, worse eye	903	0.84 (0.80-0.88)	reference	0.55 (0.41-0.62)	0.39 (0.25-0.50)
2	1 and interocular difference*	890	0.84 (0.81-0.88)	0.127	0.55 (0.38-0.63)	0.43 (0.30-0.53)
3	2 and all available variables	83	0.88 (0.85-0.91)	<0.001	0.52 (0.40-0.64)	0.58 (0.23-0.71)

Number of subjects (n), Area Under the Curve (AUC) with Bonferroni-corrected p-values for the difference between the reference model (i.e. average or inferior sector RNFL thickness alone), sensitivity at 95% specificity and specificity at 95% sensitivity are displayed. Numbers in brackets are 95% confidence intervals.

Table 2. Positivity fraction for each diagnosis category using the highly sensitive cut-off of 117 micron or less for the inferior sector, where the detection rate of manifest glaucoma was 95% by design. Estimates are displayed separately for right and left eyes, which show consistent patterns. The absolute number of eyes is presented in each box. Darker boxes are OCT positive eyes and lighter boxes are negative ones. OHT: ocular hypertension, PAC: primary angle closure, VF: visual field.



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4 **Figure Legends:**
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9 **Figure 1.** Participants' flow.
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13 **Figure 2.** Boxplots of OCT parameters, spherical equivalent, IOP and age for non-
14 glaucoma (left in each square) and glaucoma (right in each square) cases. Average and
15 inferior RNFL thickness is recorded as the lower value in either eye of each patient,
16 interocular difference as the absolute value, superior-temporal to inferior-temporal
17 difference as the absolute value of the larger difference in either eye of each patient, scan
18 quality as the mean value of the patient's eyes, spherical equivalent as the more positive
19 measure of the patient's eyes, IOP as the higher measure of the patient's eyes.
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31 **Figure 3.** ROC curves of all parameters for detecting manifest glaucoma.
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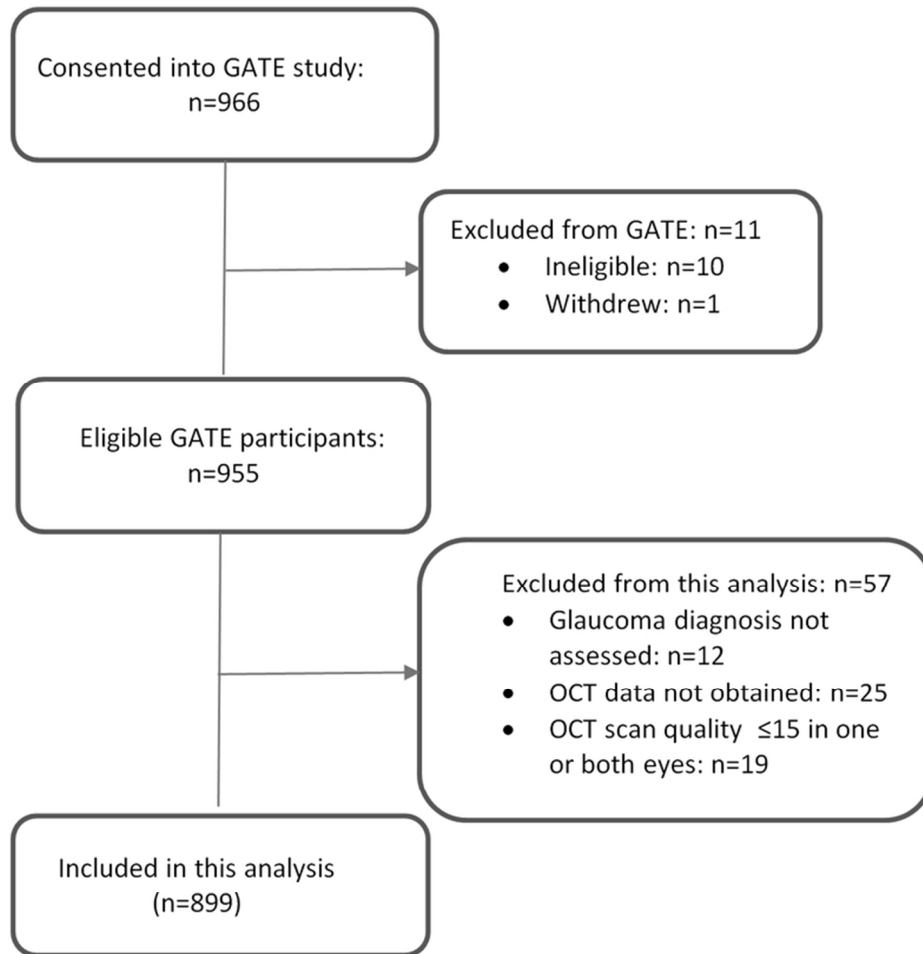


Figure 1

71x73mm (300 x 300 DPI)

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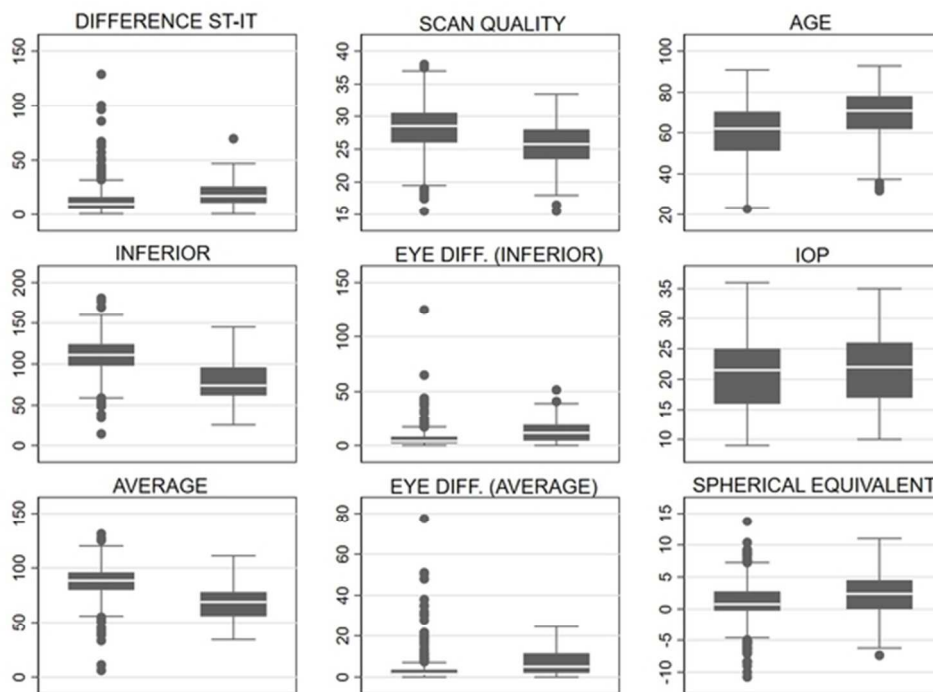


Figure 2

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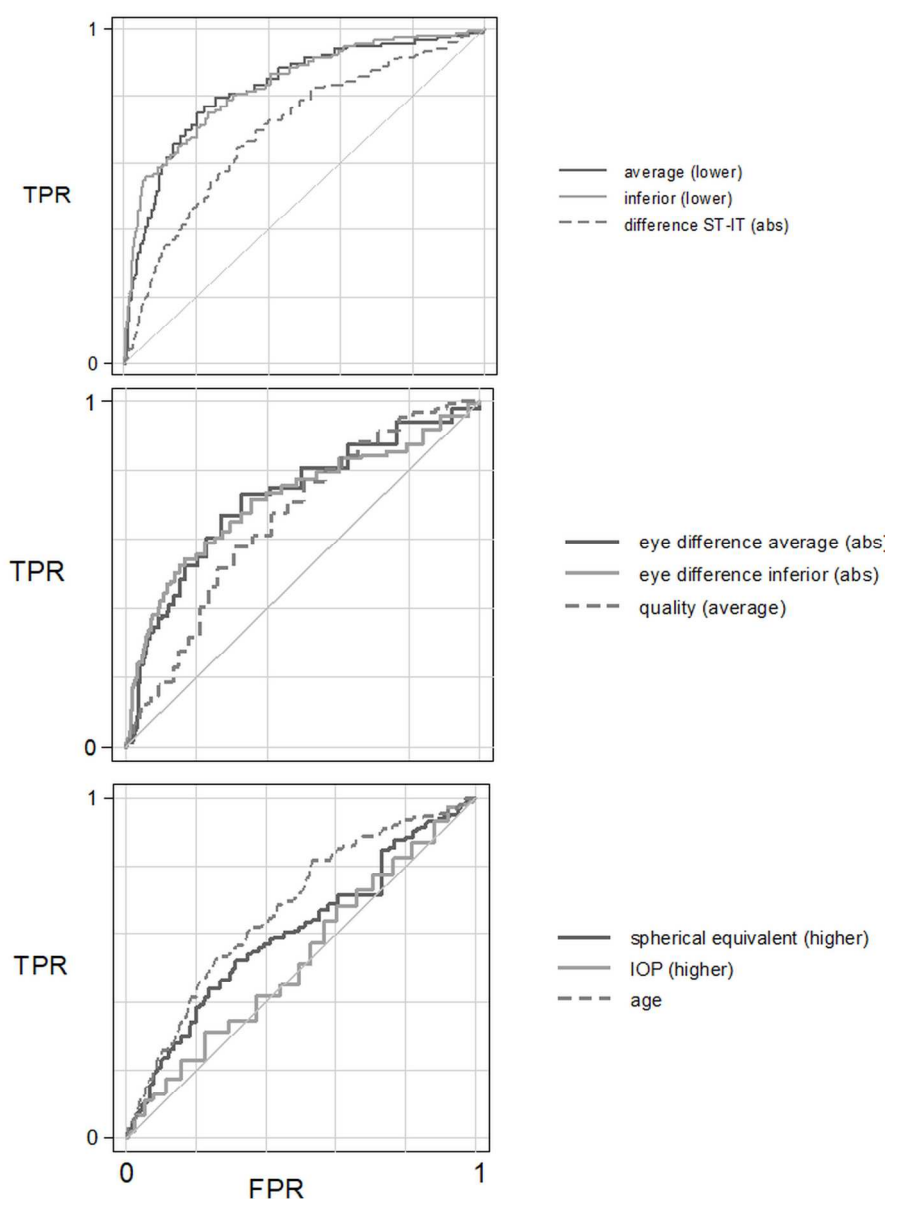


Figure 3

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