Accuracy of Toric Intraocular Lens Calculators with Predicted and Measured Posterior Corneal Astigmatism Across Different Types of Astigmatism

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Short title: Barrett toric formula with posterior astigmatism values

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Supplementary table 1. Posterior corneal curvatures measured by IOLMaster 700® and Pentacam HR®

	IOLMaster 700®	Pentacam®	P value
Kflat, posterior (D)			
Average±SD (range)	5.82±0.25 (5.21, 6.34)	6.27±0.29 (5.60, 6.90)	<.001
Ksteep, posterior (D)			
Average±SD (range)	6.15±0.31 (5.37, 6.95)	6.64±0.36 (5.80, 7.50)	<.001
Average of posterior astigmatism (range)	0.30±0.18 D (0, 0.85)	0.33±0.21 D (0, 0.90)	0.10
Orientation of steep axis (%)			0.04
Vertical	73.97	85.60	
Oblique	13.70	7.53	
Horizontal	12.33	6.84	

Supplementary Figure 1. Double-angle plots (A) and a cumulative histogram (B) of the preoperative corneal and actual postoperative refractive astigmatism. D = diopter