Supplementary Material. Table S1. TOP 10 parameters. Coefficient of variation (repeatability), monotonicity and consistency (% of eyes) of the best Pentacam variables, with partial scores, and global score.

| RANK | VARIABLE | SURFACE | TYPE | VALUES | | | PARTIAL | AND | GLOBAL | SCORES | |
				REPEATABILITY	MONOTONICITY	CONSISTENCY	REPEATABILITY	MONOTONICITY	CONSISTENCY	GLOBAL SCORE	
1	KMaxZonalMean5mm	F	CUR	0.42%	0.47	73.54%	4	2	18	*24*	*Redundant. 3mm area is chosen since it might be less influenced by peripheral measurements*
2	**KMaxZonalMean3mm**	F	CUR	0.48%	0.47	73.79%	6	1	17	*24*	
3	KMaxZonalMean4mm	F	CUR	0.45%	0.47	72.82%	5	4	25	*34*	
4	K2F (D)	F	CUR	0.61%	0.46	73.06%	11	6	21	*38*	*Redundant. Radius is chosen since it does not require assumptions about keratometric index*
5	**RsF (mm)**	F	CUR	0.49%	0.45	72.82%	7	9	23	*39*	
6	**BFSFront8mm**	F	BFS	0.27%	0.43	73.06%	1	27	20	*48*	
7	**RmB (mm)**	B	CUR	0.86%	0.43	75.73%	17	31	10	*58*	
8	**LOGIK**	-	IND	3.58%	0.47	76.21%	47	3	9	*59*	
9	RmF (mm)	F	CUR	0.39%	0.45	70.39%	3	13	44	*60*	*Slightly redundant*
10	RMin (mm)	F	CUR	0.84%	0.45	72.09%	16	14	33	*63*	*One-point parameter*

SURFACE: F (Front), B(Back).
TYPE: CUR (Curvature), BFS (Best Fit Sphere), IND (Index)
VARIABLES: KmaxZonalMean- average keratometry in areas of 3, 4 or 5mm around the point of maximum keratometry, K2- steepest keratometry (D), Rs- steepest radius (mm), BFS-Best Fit Sphere, Rm- Mean radius (mm), Rmin- Minimum radius (mm)