Keratoconus Clue: Unusual Keratometry (K)

Steepest K >47.00 diopters (D) or radius of curvature <7.2 mm

Average steep K is 43.00-43.50 D. Once steep K is >47.00 D, ectasia should be suspected.

Error messages on auto-keratometry

An error message occurs when the auto-keratometer cannot accurately read an abnormal cornea. Corneal distortion may be the culprit.

Difference of ≥2.00 D between K1 (flat K) and K2 (steep K)

Difference in Ks points to corneal astigmatism. Corneal astigmatism ≥2.00 D correlates to a higher prevalence of keratoconus, which warrants topo-tomography.

"Keratometry/auto-keratometry is a keratoconus diagnostic tool available in almost every optometric practice. Watch out for K values >47.00 D, keratometry mire distortion or auto-keratometer error messages, ocular asymmetry between K values, and keratometry values increasing >1.00 D between visits."

—Dr Ibach, iDetective

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It's time to #FollowTheClues

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