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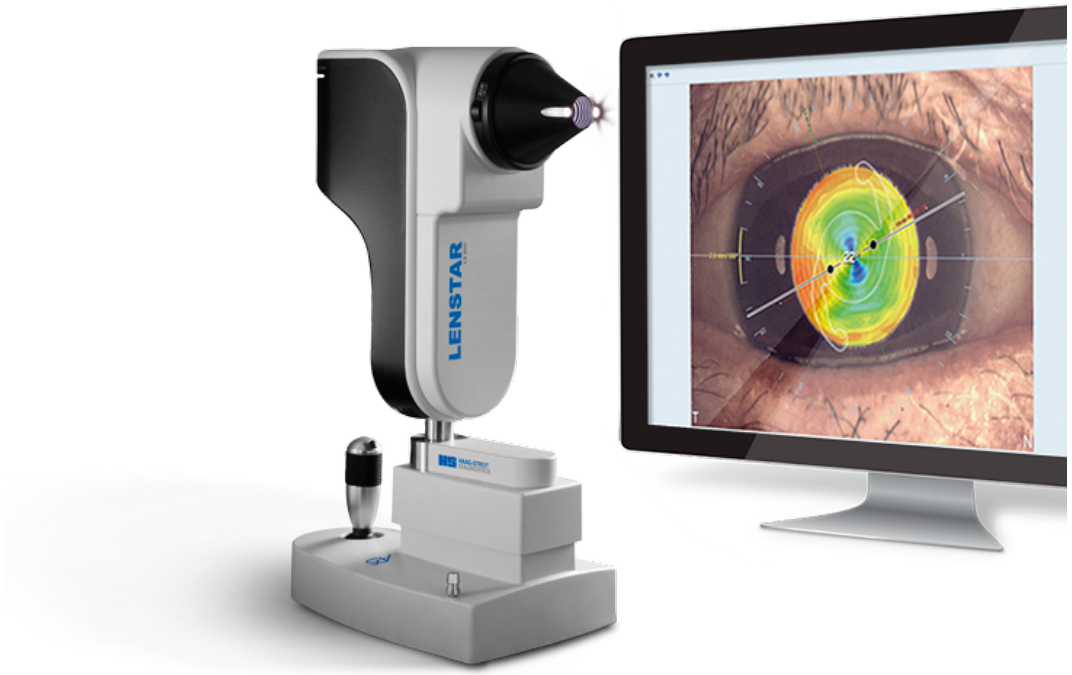
T-CONE TORIC PLATFORM

The ultimate planning platform for torics

The T-Cone Toric Platform provides the surgeon with everything needed to achieve excellent refractive results with toric IOL.



THE BARRETT TORIC CALCULATOR

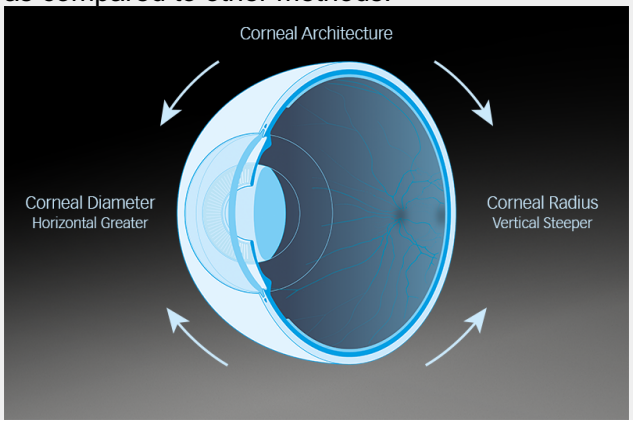
Better accuracy for toric IOL planning

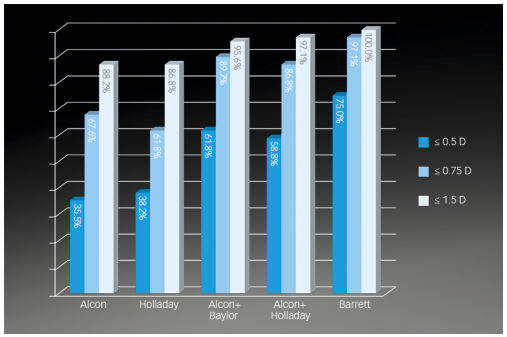
The Barrett Toric Calculator is based on the well-established Universal II formula. It considers the front and back-surface of the cornea, features dynamic lens position calculation and incorporates lens geometry details founded on thick lens calculation methodology.

THE BARRETT TORIC CALCULATOR

Leading technology in toric IOL prediction

In addition to axial length and Ks, Barrett's Toric Calculator uses measured ACD, lens thickness (LT) and White-to-White to improve the prediction accuracy of the lens position. It also incorporates the posterior cornea to further increase the accuracy; peer-reviewed literature showed its superiority as compared to other methods.





Incorporating the posterior cornea in toric IOL calculations is key to achieving excellent refractive results. Even though the importance of the posterior cornea was described by Javal back in the 19th century, it was forgotten until Dr. Doug Koch presented his findings at the 2012 ASCRS innovators lecture that lead to the well-known Baylor Nomogram. Barrett's toric calculator incorporates this knowledge into a sophisticated eye model using vector mathematics to dynamically calculate the total corneal power. A recent article in the JCRS demonstrates the superiority of Barret's Toric Calculator and the ASCRS as well as the APACRS promote it as the calculation method of choice on their websites.

Take a minute and watch the video by Dr. Graham Barrett, revealing more details on the Barrett Toric Calculator. It specifically shows the importance of dynamic lens position calculation, posterior corneal curvature consideration and axis alignment for the accurate prediction of toric IOL.

TOPOGRAPHY FOR CERTAINTY

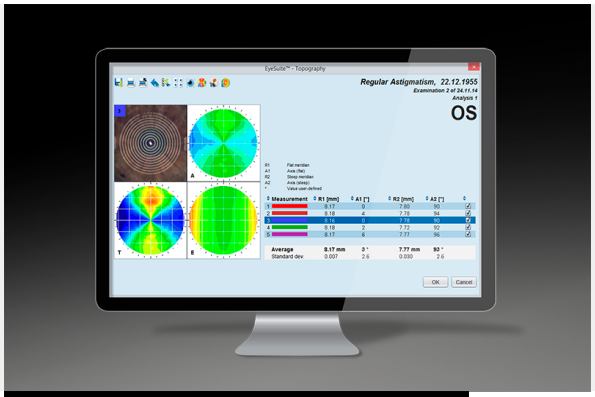
Match the axis with the T-Cone

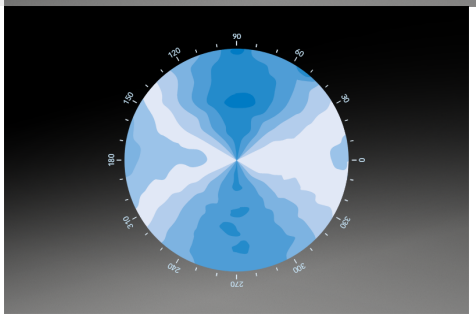
With the optional T-Cone toric platform, the keratometry measurement of Lenstar is extended with true 11-ring Placido topography. This additional data improves the efficacy and safety of toric IOL surgery, enabling the surgeon to check the symmetry and regularity of the astigmatism.

TOPOGRAPHY FOR CERTAINTY

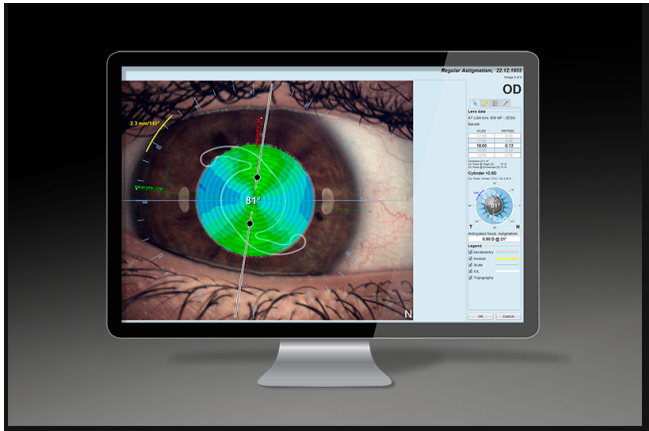
Have the full information - no surprises

Keratometry provides precise measurements of astigmatism and axis, but cannot detect irregularities and asymmetry. T-Cone topography provides the missing information and enables the surgeon to decide on the suitability of a particular patient to be a toric candidate.





The T-Cone provides the surgeon with topography of the 6 mm central optical zone. K-readings optioned with the T-Cone are derived using the same algorithms as with the standard Lenstar without T-Cone and are therefore interchangeable and precise. Axial, tangential, elevation and the video image of the Placido Rings are featured to allow full assessment of the suitability of a patient as a toric candidate.



TRANSFER TO SURGERY

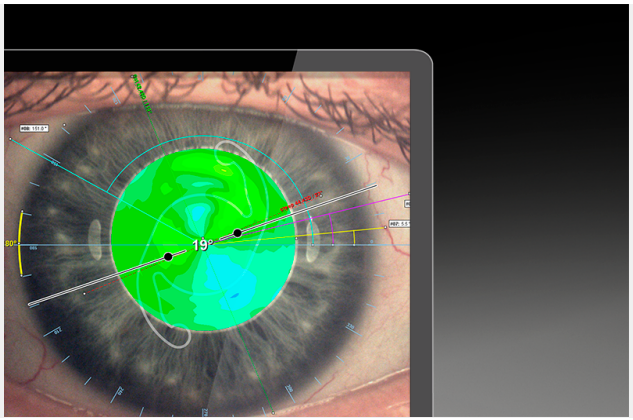
Visualize your plan

EyeSuite Toric Planner is part of the T-Cone Toric Platform and enables the user to intuitively plan his surgery on high resolution eye images. It also features an incision optimization tool to minimize the residual astigmatism by placing the incision in the right spot.

TRANSFER TO SURGERY

Intuitive transfer to surgery

Planning of the operation on high-resolution eye images allows the user to define additional guiding lines to anatomical landmarks recognizable in the intra-operative view. They may either serve as a baseline point for the intra-operative orientation or as a fallback strategy. The planning sketch can easily be printed and hung near the microscope.



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