

Corneal topography screening for dry eye



Overview

Corneal imaging techniques are valuable tools for diagnosing and monitoring DED, as they can provide objective and quantitative information on the structure and function of the ocular surface and the tear film. The TERA Dry Eye Imager is a multimodal platform purpose-built to detect, grade, and manage dry eye disease. Powered by robotic automation and high-resolution imaging, TERA standardizes capture, streamlines workflow, and delivers clear, actionable guidance for treatment and follow-up. Automated to. Corneal topography and tomography is most commonly used for the following purposes Refractive surgery: To screen candidates for normal corneal shape, patterns and ruling out suspicious or keratoconic patterns. Participants underwent consecutive corneal topography measurements (Sirius; Costruzione Strumenti Oftalmici, Florence, Italy). How Are These Maps Helpful?

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It should always be kept in mind that corneal topography can be effected by corneal artifacts and therefore interpretative value is decreased in cases such as nebulomacular corneal opacities, dry ...



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The Reichert/SBM Sistemi OS1000 is an integrated diagnostic platform that combines a corneal topographer with dry eye assessment, giving eyecare professionals the ability to perform ...



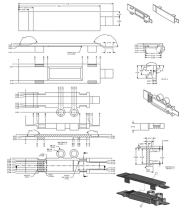
History of Corneal Imaging
Uses
General Principles
Interpretation of A Topography Printout
A modern topography printout can be quite daunting for the beginner because of the volumes of data it contains. This is a major shift from the rather simplistic videokeratographs and keratometers. A stepwise approach is useful in interpretation. Step 1. Correctly identify the patient, age and eye. Step 2 . Start by looking at the quad or multi map ... See more on eyewiki.nih.gov



For comprehensive screening, evaluation, and management of dry eye and ocular surface disease - supported by high-resolution imaging, standardised grading, and structured follow-up over time.



Dry eye can affect corneal topography increasing the higher order aberrations, so that screening for dry eye is important in the preoperative evaluation of refractive surgery candidates.



You're starting your first-year rotation in cornea clinic and need a quick breakdown on how to read corneal topography. Here's a simple step-by-step approach. It's important to note that while ...



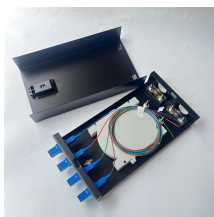
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The purpose of this study was to assess the repeatability of corneal topography measurements in dry eye patients and healthy controls. Participants underwent consecutive corneal topography ...



Meridia™ Vantage offers corneal and scleral topography, dry eye analysis and reporting, high-definition color imaging and video, and intuitive software—all in one easy-to-use device.



Combining the topography data and a statistic calculation is possible to perform a keratoconus screening getting the probability of keratoconus arising and ectasia.

Contact Us

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