



Author: Renato Ambrósio Jr, MD, PhD, FWCRS, PCEO, Instituto de Ohos Renato Ambrósio, Rio de Janeiro, Brazil

Cogan Dystrophy

A 65-year-old female patient presented with unclear blurry vision with uncorrected visual acuity (UCVA) of 20/30 in the right eye and 20/150 in the left eye. The patient was diagnosed with Cogan dystrophy.

Slit-lamp biomicroscopy in the left eye showed the classical changes in the epithelium. The Pentacam Cornea OCT in the left eye shows the abnormalities in the epithelium layer.

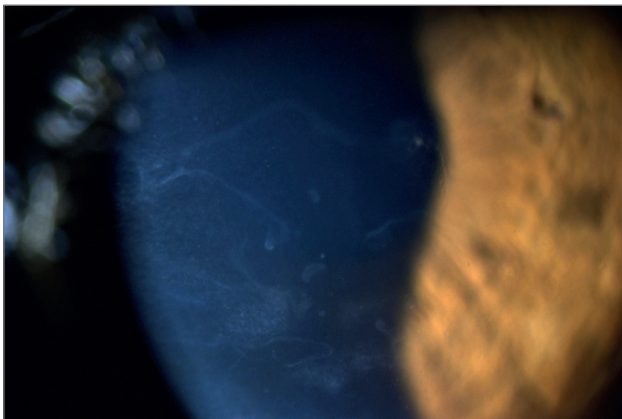


Fig 1: Slit-lamp biomicroscopy showing the classically opacified areas in the corneal epithelium

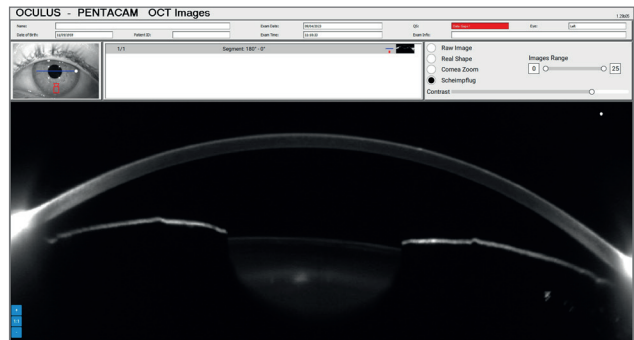


Fig 2: Pentacam Cornea OCT examination of the left eye with Scheimpflug image showing hyperreflective spots in the anterior cornea

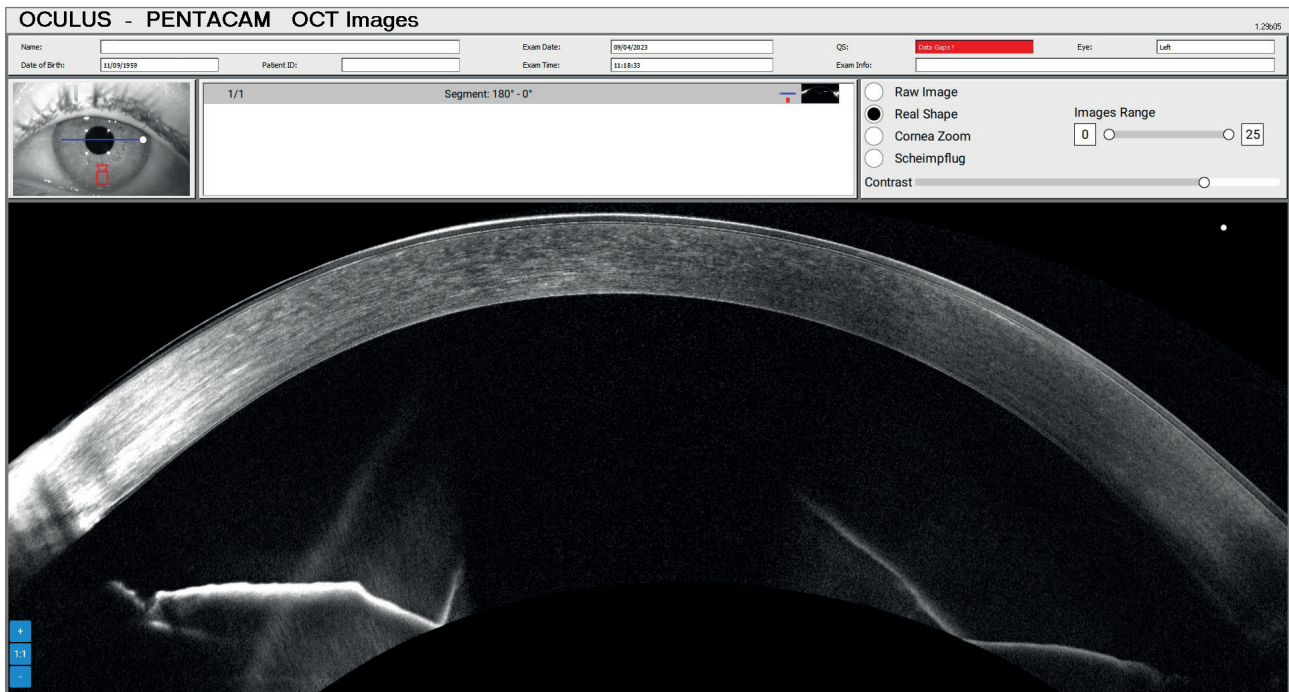


Fig 3: Real Shape image of the cornea showing changes in the corneal epithelium



Fig 4: Cornea Zoom image showing the epithelial changes more detailed

The patient was recommended a PTK.

Pentacam® Cornea OCT

Best of both worlds: Scheimpflug & OCT!
 Combining Scheimpflug technology and OCT offers a comprehensive view. Scheimpflug reveals light-scattering structures in the anterior segment with blue light, while OCT provides unparalleled detail. Both measurements are taken simultaneously at exactly the same locations, allowing for immediate and detailed visualization of all anomalies.

www.pentacam-cornea-oct.com

