

## **EVALUATION OF SCLERAL THICKNESS IN KERATOCONIC EYES MEASURED WITH THE SPECTRAL-DOMAIN ANTERIOR SEGMENT OPTICAL COHERENCE TOMOGRAPHY**

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**Purpose:** To determine whether the scleral thickness is affected in keratoconic eyes. **Methods:** A total of 23 eyes from 23 patients with keratoconus and 21 eyes from 21 age- and gender-matched healthy individuals were included in this cross-sectional study. For measurements of the anterior scleral thickness, a spectral-domain anterior segment optical coherence tomography device (Spectralis Software, version 5.8; Heidelberg, Germany) was used. Anterior scleral thickness measurements were made at distances of 1, 3, and 5 mm from the limbus. A p value less than 0.05 was accepted as statistically significant. **Results:** The anterior scleral thickness values of 1, 3, and 5 mm from the limbus were similar in both patients with keratoconus and control participants. No significant difference in the mean anterior scleral thickness was found between the keratoconus group and the control group ( $p > 0.05$ ). **Conclusions:** It is well known that corneal thinning is observed in keratoconus patients. On the contrary, the anterior scleral thickness in these patients seems to be similar to that in healthy control eyes. **Financial Disclosure:** No author has a financial or proprietary interest in any material or method mentioned.