The distribution of corneal thickness in a 4 ·- to 7 4-year-old population of Shahroud, Iran

PURPOSE:

To determine the distribution of central and peripheral corneal thickness values and its determinants in an Iranian population.

METHODS:

This population-based study was conducted between Y. And Y. I in Shahroud, with a response rate of %AY.Y. Here in, we present the data on central and peripheral corneal thickness in YA9 participants of the study, which included all £ - to T£-year-old participants except those with a history of ocular surgery. Measurements were done with the Pentacam, and correlations with age, gender, height, body mass index, and refraction were tested.

RESULTS:

CONCLUSIONS:

In this population-based study, the thinnest point was usually located inferotemporally and the thickest point superiorly. The peripheral cornea was significantly thicker than the central cornea but thinned faster with age. The thickness difference between the thinnest and central points was significantly greater in men. People with hyperopia had thicker corneas compared with those with myopia.