Keratoconus Clue: Genetics

Keratoconus is a genetic eye disease

Segregation analysis identifies keratoconus as a complex polygenic disease. There is evidence to associate more than 100 genes with keratoconus.

Keratoconus is found in families

Some studies have reported keratoconus prevalence in first-degree relatives 15 to 67 times greater than in the general population. The CLEK study found that 14% of study patients had a family history positive for keratoconus.[1]

"Like many diseases, keratoconus results from a combination of genetics and environment. When screening patients, ask if any family members have the condition or other eye problems. A 'yes' answer warrants further investigation."

—Dr Gromacki, iDetective

CLEK=Collaborative Longitudinal Evaluation of Keratoconus.

Reference

1. Gordon-Shaag A, Millodot M, Shneor E, Liu Y. The genetic and environmental factors for keratoconus. *Biomed Res Int.* 2015;2015:795738.

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It's time to **#FollowTheClues**

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