

Accepted Manuscript



Age-specific incidence and prevalence of keratoconus: a nationwide registration study

Daniel A. Godefrooij, G. Ardine de Wit, Cuno S. Uiterwaal, Saskia M. Imhof, Robert P.L. Wisse

PII: S0002-9394(16)30613-4

DOI: [10.1016/j.ajo.2016.12.015](https://doi.org/10.1016/j.ajo.2016.12.015)

Reference: AJOPHT 9985

To appear in: *American Journal of Ophthalmology*

Received Date: 17 September 2016

Revised Date: 15 December 2016

Accepted Date: 19 December 2016

Please cite this article as: Godefrooij DA, de Wit GA, Uiterwaal CS, Imhof SM, Wisse RPL, Age-specific incidence and prevalence of keratoconus: a nationwide registration study, *American Journal of Ophthalmology* (2017), doi: 10.1016/j.ajo.2016.12.015.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Abstract

Purpose: To determine the age-specific incidence and prevalence of keratoconus in the modern era of diagnostics.

Design: Epidemiologic study.

Participants: 4.4 million patients from a mandatory health insurance database.

Methods: Data were extracted from the largest health insurance provider in the Netherlands. Patients aged 10-40 years were defined as the relevant age category for newly diagnosed keratoconus and the annual incidence of newly diagnosed keratoconus was determined. The prevalence of keratoconus was estimated based on the annual incidence, mean age at diagnosis, and average life expectancy.

Main Outcome Measure: The annual incidence and prevalence of keratoconus.

Results: The annual incidence of keratoconus was 1:7,500 in the relevant age category (13.3 cases per 100,000, 95% CI: 11.6 to 15.2) and the estimated prevalence of keratoconus in the general population was 1:375 (265 cases per 100,000, 95% CI: 260 to 270). These values are five-fold to ten-fold higher than previously reported values in population studies. The mean age at diagnosis was 28.3 years and 60.6% of diagnosed patients were male.

Conclusions: Both the annual incidence and the prevalence of keratoconus were five-fold to ten-fold higher than previously reported.

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات