

## CORRECTION

# Correction to: Predictive accuracy of the ABCD progression display among patients with keratoconus: A historic cohort analysis

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Correction to: *Eye* <https://doi.org/10.1038/s41433-022-02242-9>, published online 20 September 2022

The Abstract was given incomplete: The last sentences under Methods was missing.

The missing sentence is: Sensitivity and specificity of the ABCD Progression Display were 82% and 73%, respectively. A multi-variable model adjusted for possible confounders, found that ABCD Progression was associated with a 7-fold risk of undergoing CXL compared to a patient in whom progression was not recorded in the ABCD Progression Display (OR=7.55; 95% CI=3.82–14.93,  $p<0.001$ ).

**Objective:** To evaluate the accuracy of the ABCD Progression Display and the ABCD grading system in a population of adult patients with keratoconus.

**Methods:** A retrospective cohort analysis of all adult patients with keratoconus followed at the Shamir medical center between 2012–2017. A recommendation by the cornea specialist to undergo corneal crosslinking (CXL) was used as a surrogate of ectasia progression. The ABCD grading was not available to the treating

physician and was computed post-hoc. Sensitivity and specificity of the ABCD Progression Display was calculated, and multivariate regression was used to estimate the risk to undergo CXL when the ABCD Progression Display indicated progression. The ABCD grading was compared between patients who required CXL to those who did not. A single eye of each patient was included.

**Results:** 293 eyes of 293 patients were analyzed. Mean age at presentation was  $26.92\pm6.12$  years. In 68 eyes, progression of keratoconus was recorded and CXL was performed (CXL-group). Sensitivity and specificity of the ABCD Progression Display were 82% and 73%, respectively. A multivariable model adjusted for possible confounders, found that ABCD Progression was associated with a 7-fold risk of undergoing CXL compared to a patient in whom progression was not recorded in the ABCD Progression Display (OR=7.55; 95% CI=3.82–14.93,  $p<0.001$ ).

**Conclusion:** The ABCD Progression Display demonstrated adequate sensitivity and specificity and high predictive capabilities of keratoconus progression. It can be effectively utilized as an initial screening test in adults with keratoconus.

The original article has been corrected.