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HYDROPS IN A CORNEAL GRAFT

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PURPOSE: The aim of this study was to report a case of hydrops in a corneal graft for keratoconus.

METHODS: Prospective follow up of a case.

RESULTS: We describe a case of hydrops after 18 years of a successful corneal transplant for keratoconus. Ultrasound biomicroscopy, indicating the precise place of Descemet's membrane rupture, as well as corneal topography were helpful in determining the diagnosis of disease recurrence.

CONCLUSION: Recurrence of keratoconus after keratoplasty is a rare complication. There are only 4 cases reported in the world literature. Possible causes for this complication could be migration of abnormal cells from host tissue to donor tissue or failure in screening donor cornea for keratoconus.