

Ophthalmic Manifestation; Corneal Perforation and its Management in a Saudi Child with Dandy-Walker Syndrome (DWS) -A Case Report

Ashjan Yousef Bamahfouz, MBBS, FRCSC1*

ABSTRACT

Dandy-Walker syndrome (DWS) has vermis agenesis or hypoplasia and cystic expansion of the fourth ventricle. Ophthalmic manifestations include nystagmus, cataracts, choroidal or iris coloboma, microphthalmia, palpebral ptosis, hypertelorism, strabismus, and hydrocephalus-related optic neuropathy. However, DWS with corneal perforation due to exposure keratopathy has not been reported. The author presents corneal perforation (CP) in the right eye of a child with DWS managed by cyanoacrylate glue and a multilayer amniotic membrane. The left eye had corneal thinning, and severe dry eyes were treated with tarsorrhaphy and punctual plugs. During a seizure, tarsorrhaphy opened and corneal perforation recurred, which was treated with bandage contact lenses and lubricating eye drops.

Keywords: Dandy-Walker syndrome, Corneal perforation, Cyanoacrylate glue, Amniotic membrane graft, Bandage contact lens.

Bahrain Med Bull 2024; 46 (2): 2072 - 2073

* Ophthalmology Department
Faculty of Medicine, Umm Al-Qura University
Makkah, Saudi Arabia.
E-mail: ashjanmd@gmail.com