

Use of Evicel Fibrin Sealant in Optic Disc Pit-Associated Macular Detachment.

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Abstract:

Optic disc pit is a rare congenital anomaly of the optic nerve. Retinal detachment is a common complication with poor outcomes. Many surgical alternatives have been described for the treatment of this condition, producing variable results. Herein, the authors describe four cases of optic disc pit-associated macular detachment managed with pars plana vitrectomy, fluid-air exchange, drainage of subretinal fluid through the optic disc pit, temporal peripapillary laser, and application of Evicel fibrin sealant (human) (Ethicon, Bridgewater, NJ) over the optic disc head. Case 1 showed stable visual acuity and improvement of subretinal fluid. Cases 2 and 3 showed visual acuity and subretinal fluid improvements. At the 1-week follow-up visit, Case 4 showed almost total subretinal fluid absorption. The sealant invariably disappeared between 1 and 2 weeks and was tolerated by all patients. This case series suggests that Evicel fibrin sealant may be considered as an adjunctive option in the surgical treatment of optic disc pit-associated maculopathy. [Ophthalmic Surg Lasers Imaging Retina. 2017;48:358-363.].

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