

Vitreotomy for optic pit-related retinal detachment

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Purpose:

To present an effective intraocular approach for the treatment of eyes with optic pit-related retinal detachment.

Methods:

Retrospective case series.

Results:

Twenty-one eyes underwent pre- or intraoperative laser (L) at the disc margin, complete vitrectomy (V), including separation and removal of the posterior hyaloid face, and gas tamponade (G) with postoperative positioning "LVG surgery". The retinal detachment resolved in all eyes, and only one eye showed recurrence. The visual acuity showed marked to complete recovery, even in chronic cases. The concurrent macular hole, following internal limiting membrane removal, closed in two eyes.

Conclusion:

"LVG" is a very effective approach to optic pit-related retinal detachment. In chronic cases drainage of the subretinal fluid may be performed, to increase formation of a laser barrier.

Take-home message:

Proper vitreous surgery can improve vision in eyes with chronic macular detachment due to optic nerve pit.