

# REFRACTORY MACULAR EDEMA IN A PATIENT WITH CONGENITAL GLAUCOMA

**Camilla Alcantara Alliz Menezes<sup>1</sup>, Vasco Bravo Filho<sup>1</sup>**

E-mail: [camillaalliz@hotmail.com](mailto:camillaalliz@hotmail.com)

<sup>1</sup>Altino Ventura Foundation

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# PURPOSE

To report a case of congenital glaucoma that presented worsening visual acuity, evolving with recurrent cystoid macular edema after multiple glaucomatous surgeries.

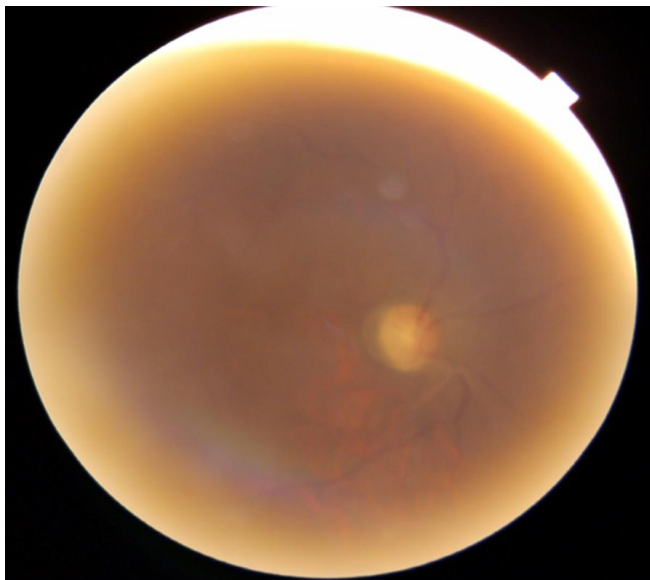
# CASE REPORT

- Male patient, 35 YO, White;
- Congenital Glaucoma OU ( OS prothesis);
- Blurred Vision after multiple glaucoma surgeries ;
- Medicamentions: Dorzolamide/Timolol+ Travoprost+ Acetazolamide;
- Congenital glaucoma in both eyes (AO);
  - blurred vision in the right eye (OD) 2 months after surgery to remove the Ahmed tube due to extrusion.
- History of several antiglaucoma surgeries; in use of 4 medications to control intraocular pressure (IOP).
- The patient was admitted to the retina department at HOPE presenting cystoid macular edema in the OD.

# CASE REPORT

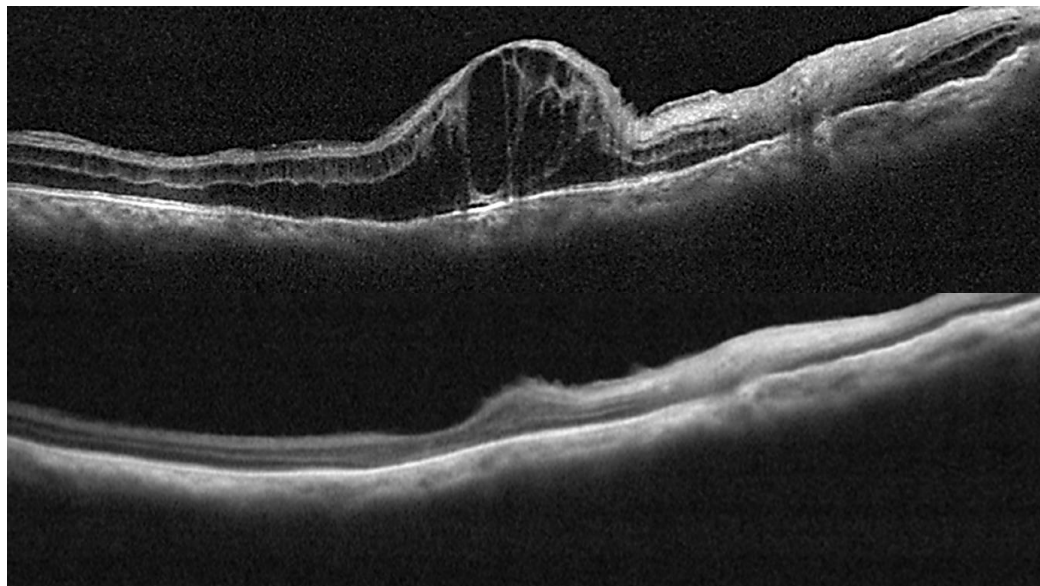
- After 30 days, patient presented with high IOP (26 mmHg), and it was decided to maintain topical treatment with cetrolac and dorzolamide, withdrawing the topical corticosteroid.
- After 2 months, with worsening macular edema and maintenance of borderline piep, the patient underwent micropulse laser (at external service).
- After controlling the IOP (6 mmHg), we performed an anti-VEGF injection (aflibercept).
- Following the protocol for the treatment of macular edema, after the 3<sup>o</sup> injection of anti-VEGF.
- After 1 month of Ozurdex implantation, the patient evolved with a significant improvement in the edema, reaching VA of 20/100.
- At 3 months follow-up of ozurdex, the edema worsened, and second implant of ozurdex was performed.
- The patient has received 23 blindness implants in the OD, varying between improvements and relapses.
- Presently, he is evolving with a significant improvement in VA (20/80).

## ➤ Retinography



Stained optic disc, 0.7 papillary excavation, peripapillary atrophy, increased vessel tortuosity, cystoid macular edema.

## ➤ Optical Coherence Tomography



**A** - Before OZURDEX: IOP 5 mmHg / BCVA 20/400  
**B** - After 23<sup>o</sup> OZURDEX: IOP 13 mmHg / BCVA 20/80

# DISCUSSION

The ozurdex implant improved the patient's vision, but the effect is short-term, and successive implantations of the drug are required. The biggest challenge is identifying a therapeutic approach that can improve long-term or permanent vision quality.

# REFERENCE

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