

Letter Details (Kaleb)



Ocular Oncology

8 KORET WAY RM U525
SAN FRANCISCO CA 94143-2208
Phone: 415-514-6918 | Fax: 415-514-5711

May 23, 2020

Patient: **Kaleb Xiong**

Date of Birth: **3/13/2020**

Date of Visit: **5/23/2020**

Dear Dr. Rabin,

Thank you for referring Kaleb Xiong, 2 month old boy with bilateral leukocoria. We performed an eye exam under anesthesia and obtained an MRI of the brain and orbits as well as an MR angiogram of the brain. Findings are consistent with bilateral persistent hyperplastic primary vitreous, with funnel retinal detachment to the lens and retina adherent to the lens in the right eye, and posterior retinal detachment and stalk to the lens. Both eyes are buphthalmic and have neovascularization of the iris, suggestive of severe ischemia, and there is vitreous hemorrhage visible in the left eye on exam and blood products visible in the both eyes on MRI.

We will refer the child to Pediatric Ophthalmology (Dr. Alejandra de Alba) and Pediatric Vitreoretinal Surgery (Dr. Melissa Neuwelt) at UCSF for consultation with regards to potential surgery for the left eye (cataract surgery and/or vitrectomy). Our EUA note and images are appended below.

Please be in touch with any questions or concerns. Thank you.

Best regards,

A handwritten signature in black ink, appearing to read 'Armin R. Afshar'.

Armin R. Afshar, MD, MBA, MAS
Director, Ocular Oncology Service
Director, Tele-Ophthalmology
Assistant Professor of Ophthalmology
Ocular Oncology, Vitreoretinal Diseases & Surgery
University of California at San Francisco

CC: Stephanie Anne Yee-Guardino, DO
Alejandra Gabriela de Alba Campomanes, MD



OPERATIVE REPORT

Date of procedure: 05/22/20

Attending Surgeon: Armin Afshar, MD

Assistants: Musa Abdelaziz, MD (Ocular Oncology Fellow). The assistance of a nonresident was necessary because there was no qualified resident available to assist with the procedure.

Procedures Performed:

1. Examination under anesthesia, bilateral. CPT 92018
2. Retcam photography, bilatereal. CPT 92250 -- PR FUNDAL PHOTOGRAPHY
3. Extended ophthalmoscopy with scleral indentation and retinal drawings, bilateral CPT 92225, RT, LT
4. B-scan ultrasound, bilateral CPT 76512
5. Ultrasound biomicroscopy (UBM), bilateral. CPT 76513

Anesthesia: General

History:

2 month old baby boy referred urgently for retinoblastoma evaluation, with diagnosis of bilateral leukocoria and possible retinal mass based on eye clinic exam today at Kaiser South Sacramento.

Pre-Operative Diagnosis: Retinoblastoma, bilateral.

Post-Operative Diagnosis: Same.

Operative Procedure:

1. The patient was identified in the preoperative holding area where informed consent was obtained.
 2. The patient was transferred to the procedure room where cardiopulmonary monitoring was established and vitals were within normal limits.
 3. Topical dilating drops were placed in the both eyes in the pre-operative area.
 4. The patient was brought to the operating room and a time-out was called.
 5. The procedures included those listed above.
 6. Following examination, the patient was awoken from anesthesia and returned to the PACU without complication.
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Findings:

Right Eye:

Corneal diameter 11.5 mm

IOP 18

Trace corneal edema

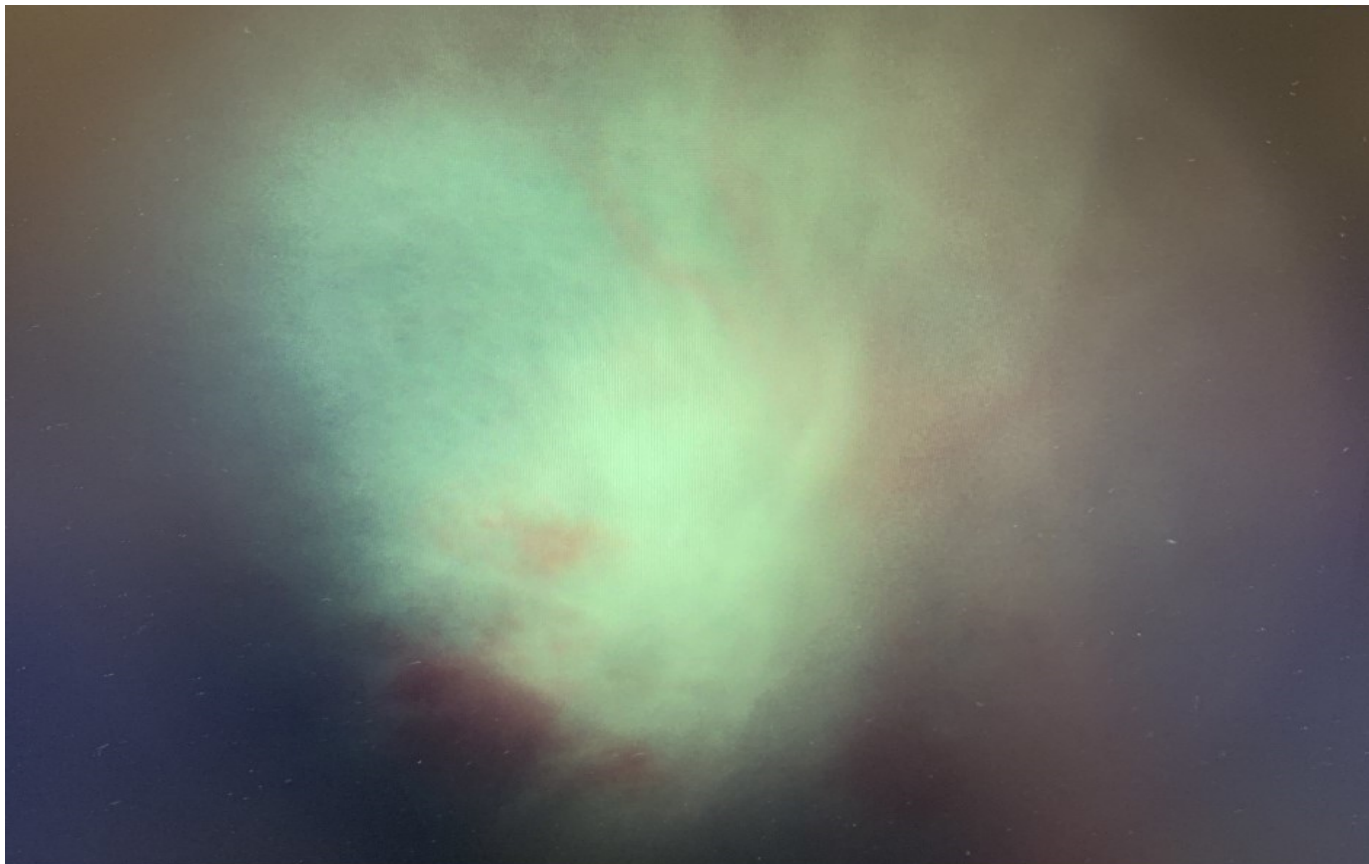
NVI seen; dilates poorly

Ectropion uveae

White reflex behind lens.

On RetCam imaging, white posterior lens capsule with vessels (suggestive of ? Total retinal detachment to lens)

Ultrasound showed no definite masses in the posterior segment; cystic appearance seen with lesion to lens



Left Eye:

Corneal diameter 11 mm

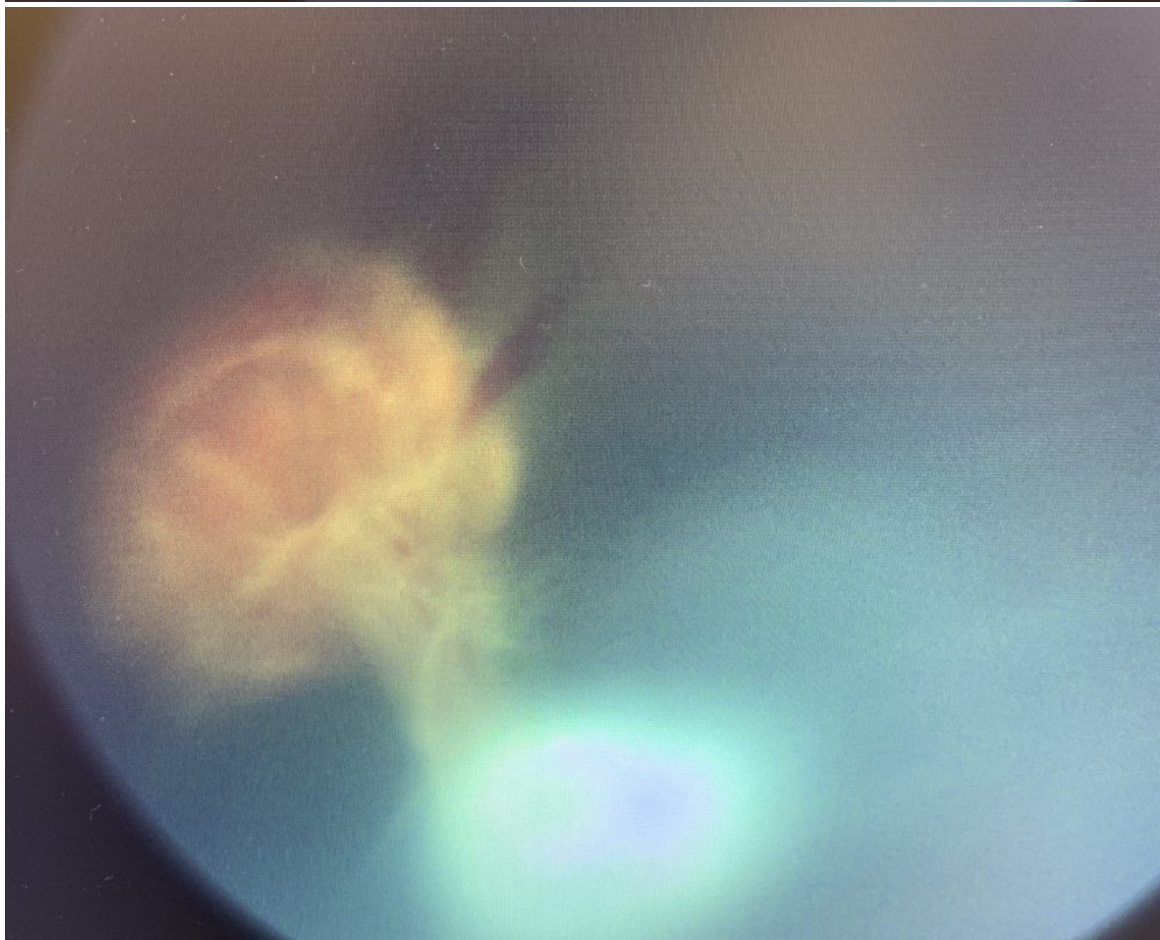
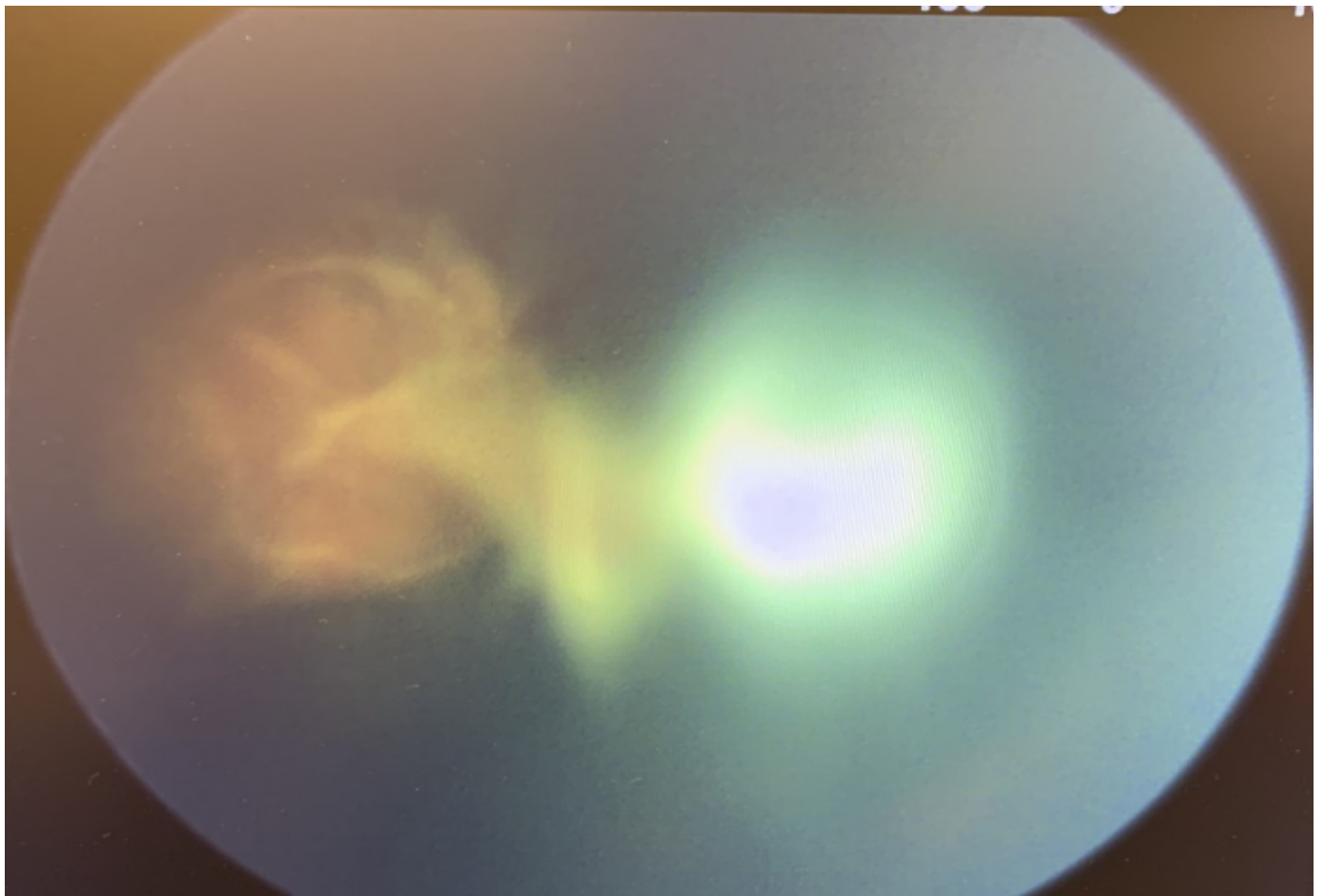
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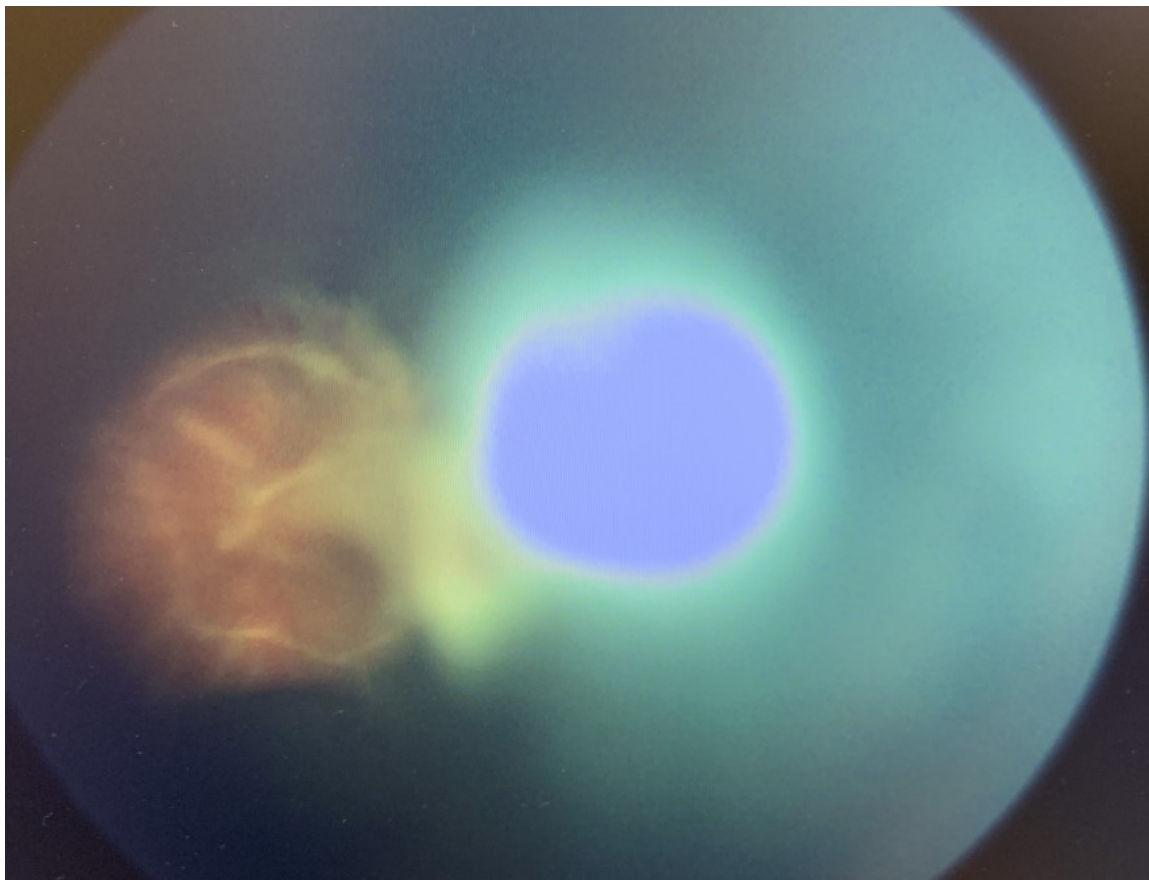
NVI seen

Focal lens opacity/cataract; retinal posterior white lesion with stalk connecting to lens

No other peripheral retinal lesions/tumors identified

Ultrasound showed no definite masses in the posterior segment; cystic appearance seen with lesion to lens





Treatment:
None

Complications:

None

ASSESSMENT/PLAN:

2 month old M with leukocoria in both eyes, with exam and ultrasound findings suggestive of bilateral persistent hyperplastic primary vitreous (PHPV):

- Neovascularization of iris, both eyes
- Ectropion uveae, right eye
- Buphthalmos, OU, OD>OS
- Apparent funnel retinal detachment of right eye to lens
- Left eye with posterior pole retinal detachment with stalk to lens on exam, and subretinal cyst on ultrasound
- No definite calcified masses seen in either eye on ultrasound
- **Await MRI findings of brain/orbit**

Discussed with parents the exam findings would be an unusual presentation for retinoblastoma and findings are more consistent with bilateral PVPH, which is rare but reported in the literature. MRI will assess eyes, eye sockets and brain and will be helpful in ruling out calcifications and retinoblastoma. If MRI not suggestive of retinoblastoma, will discharge and make arrangements for Pediatric Ophthalmology and Pediatric VR Surgery consult for possible intervention for left eye to salvage vision.

The patient's parents were given the opportunity to ask all questions and my number to call if they should think of additional issues. We will touch base in the morning when final MRI results are back.

Addendum:

5/23/2020

MRI brain/orbits and MRA reviewed with attending radiologist. No intraocular tumors identified; normal orbits, brain, MRA. Findings were consistent with PHPV and hemorrhagic retinal detachments.

Spoke with Dr. Bo Qiu of Hematology Oncology-- plan is for discharge. We will arrange for follow up with Pediatric Ophthalmology/VR Surgery consultation in the event intervention might be beneficial for salvaging vision in the left eye

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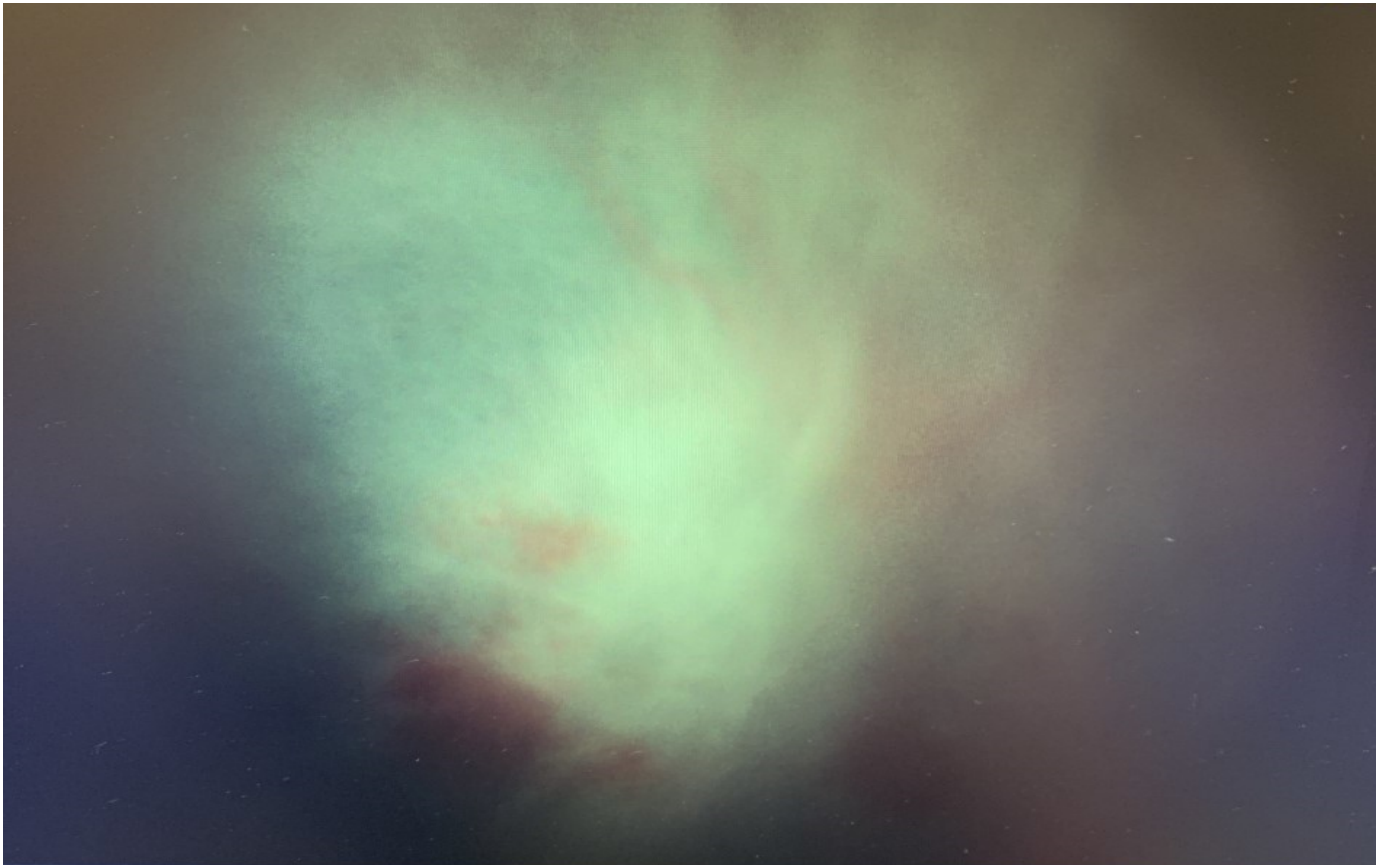
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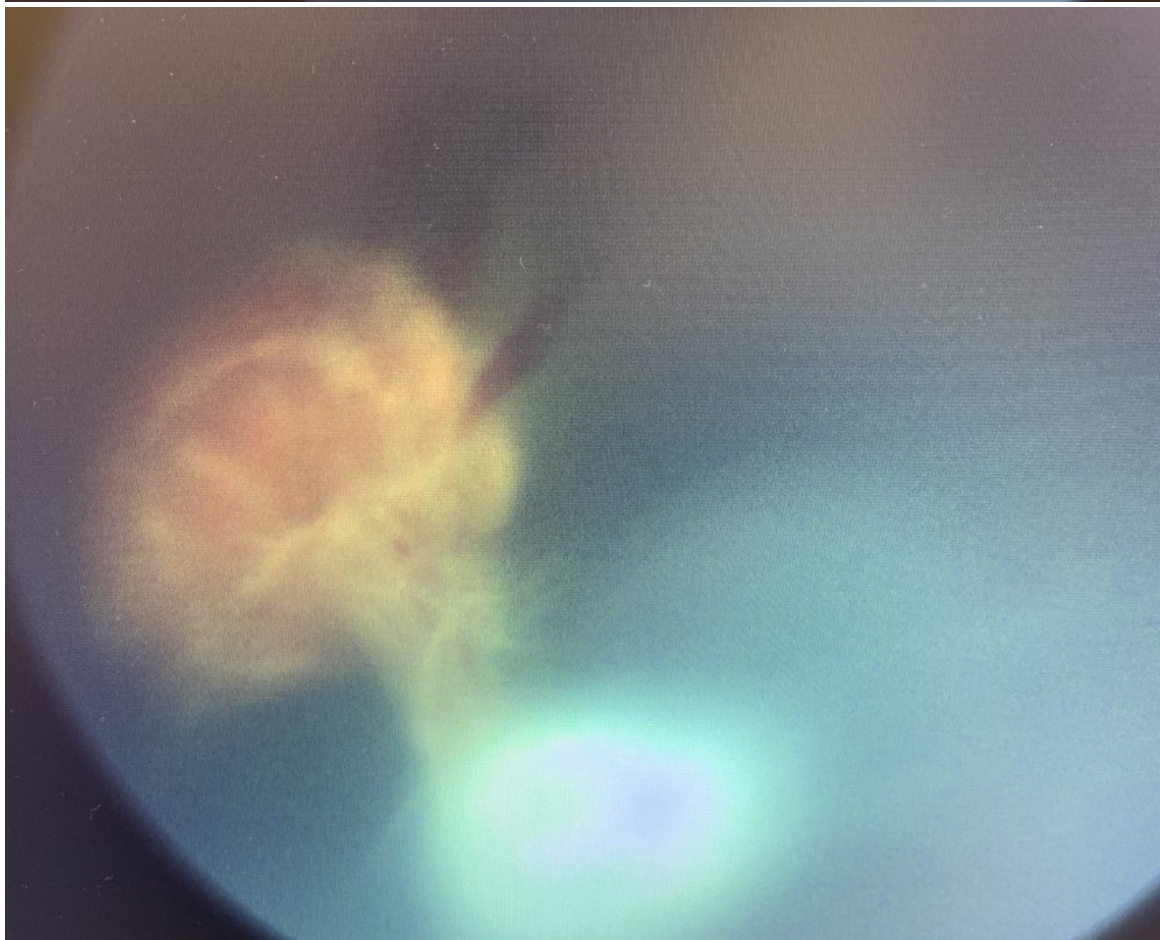
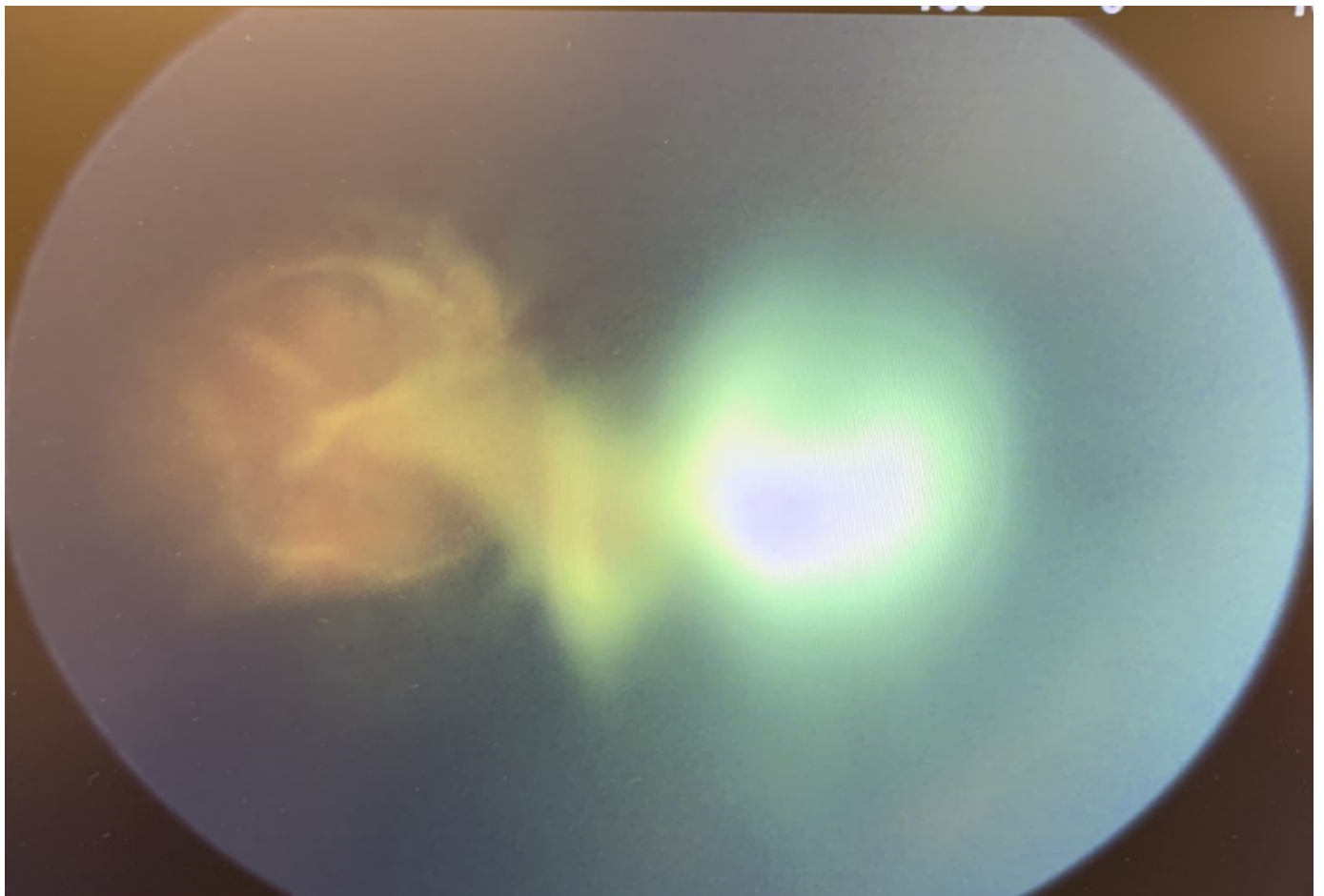
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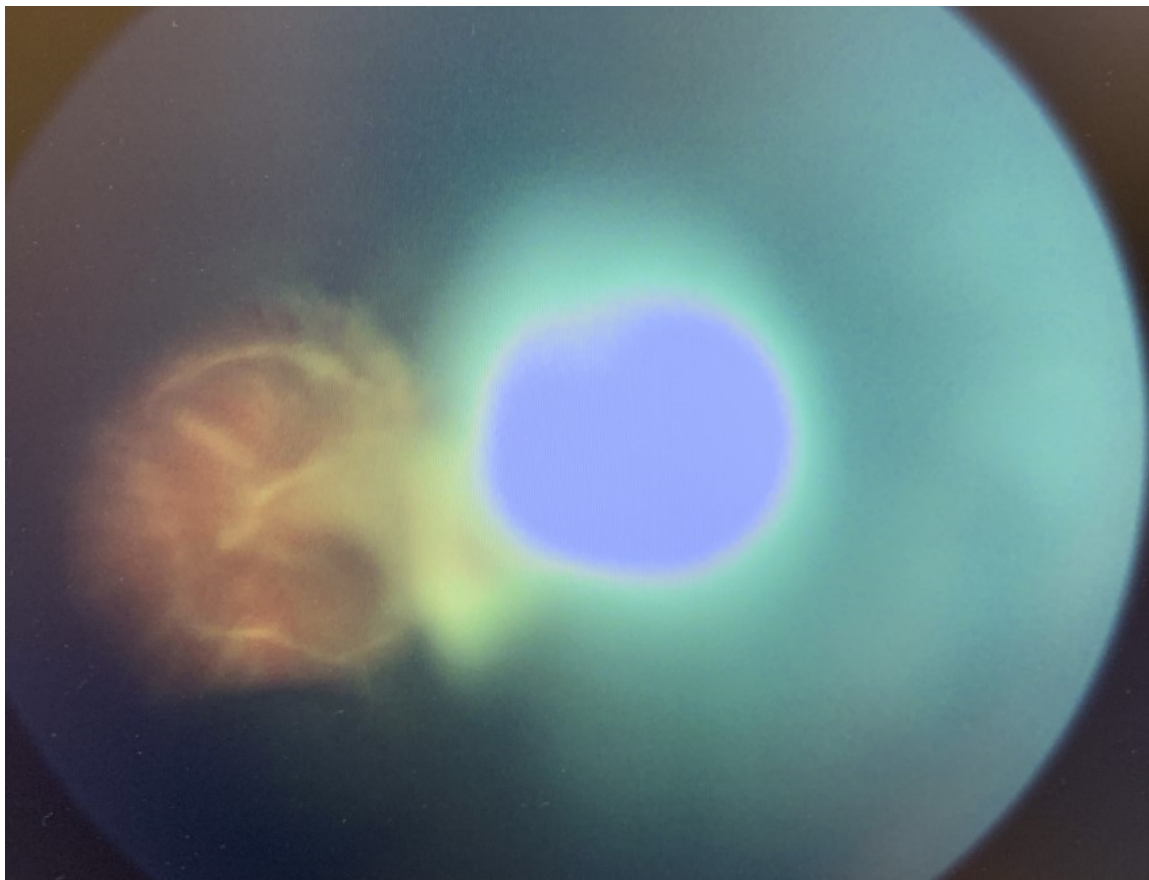
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