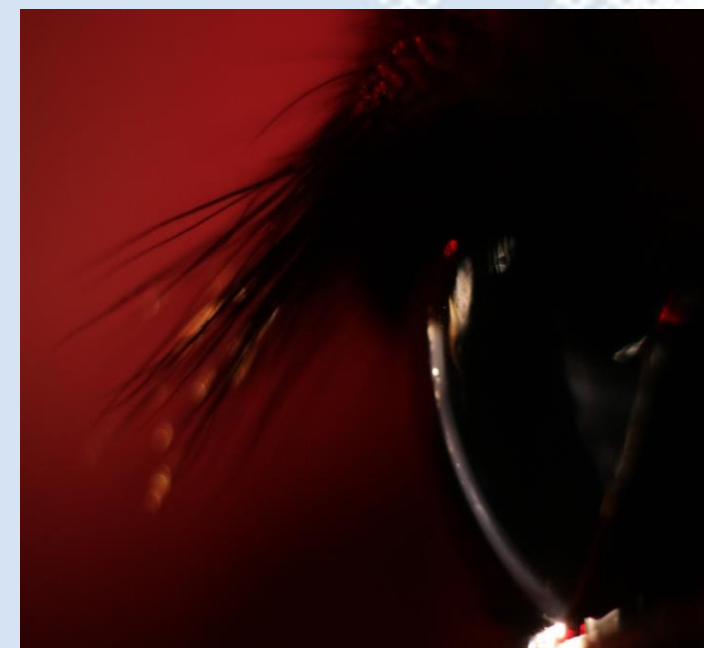


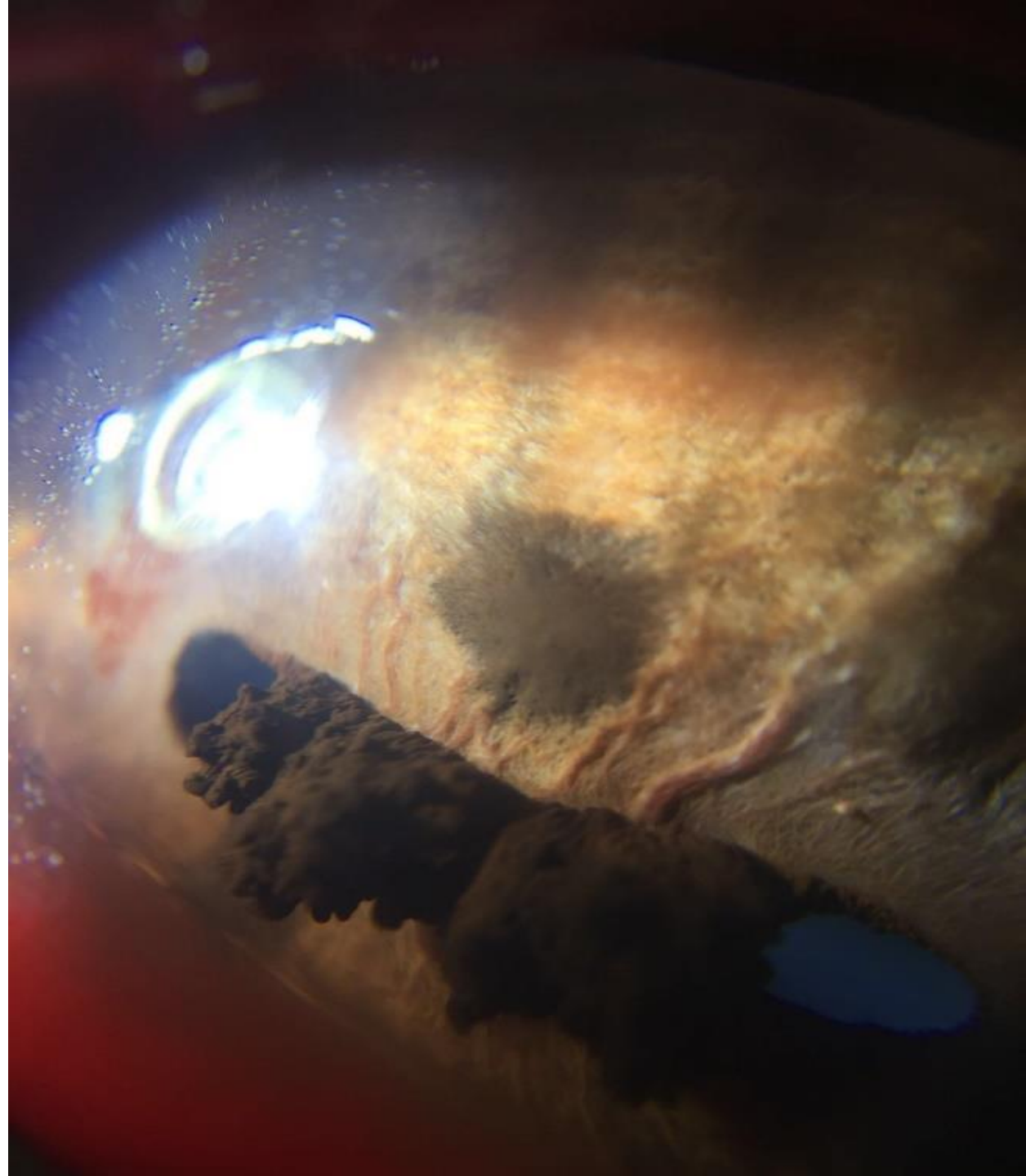
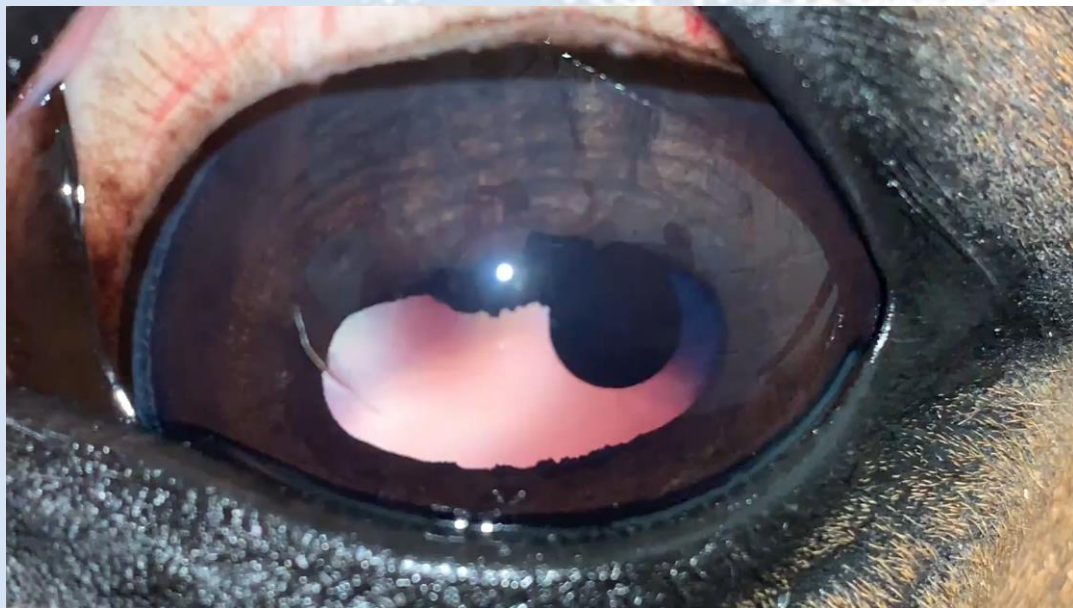
Imaging the anterior segment – pt 2, iris & lens.

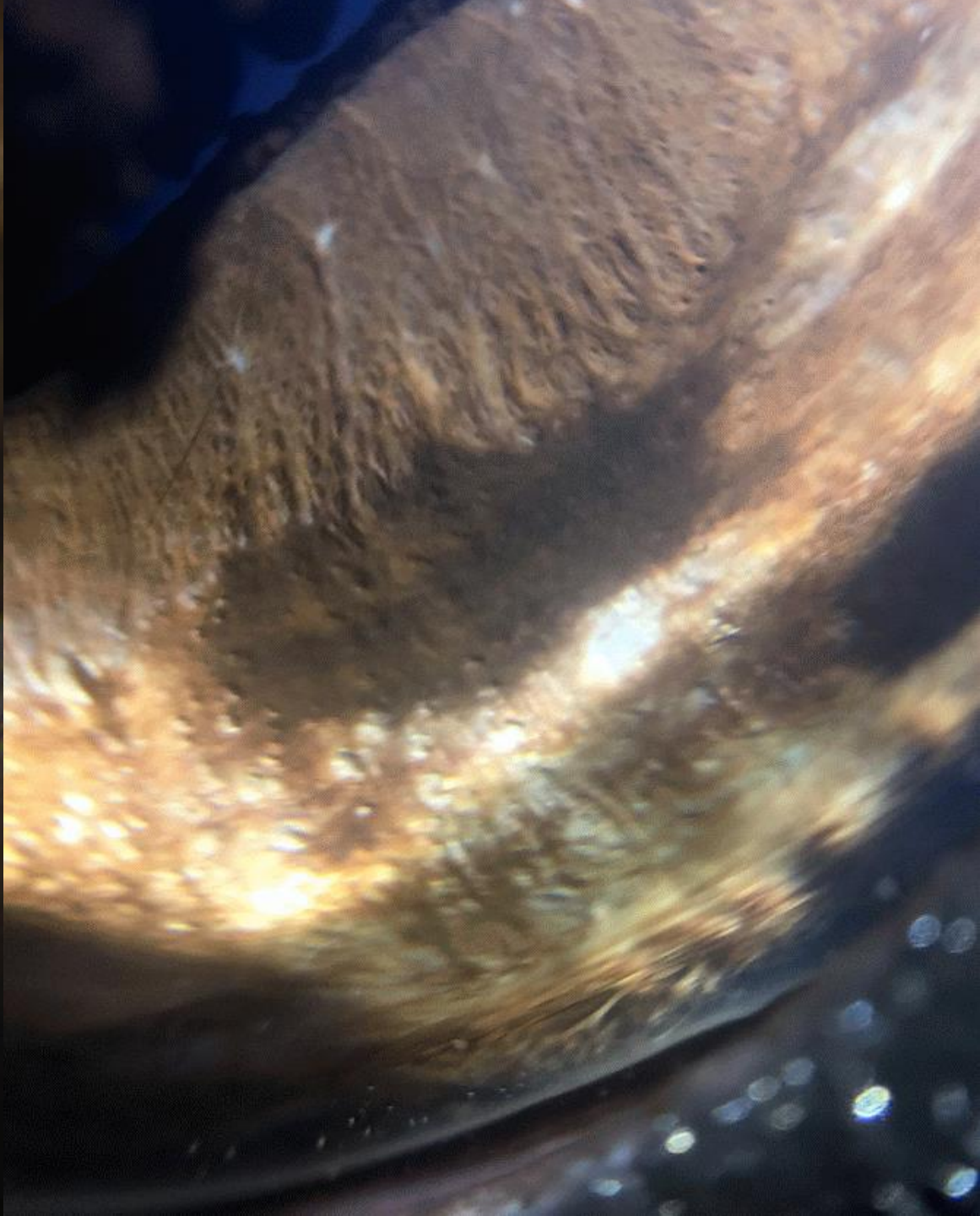
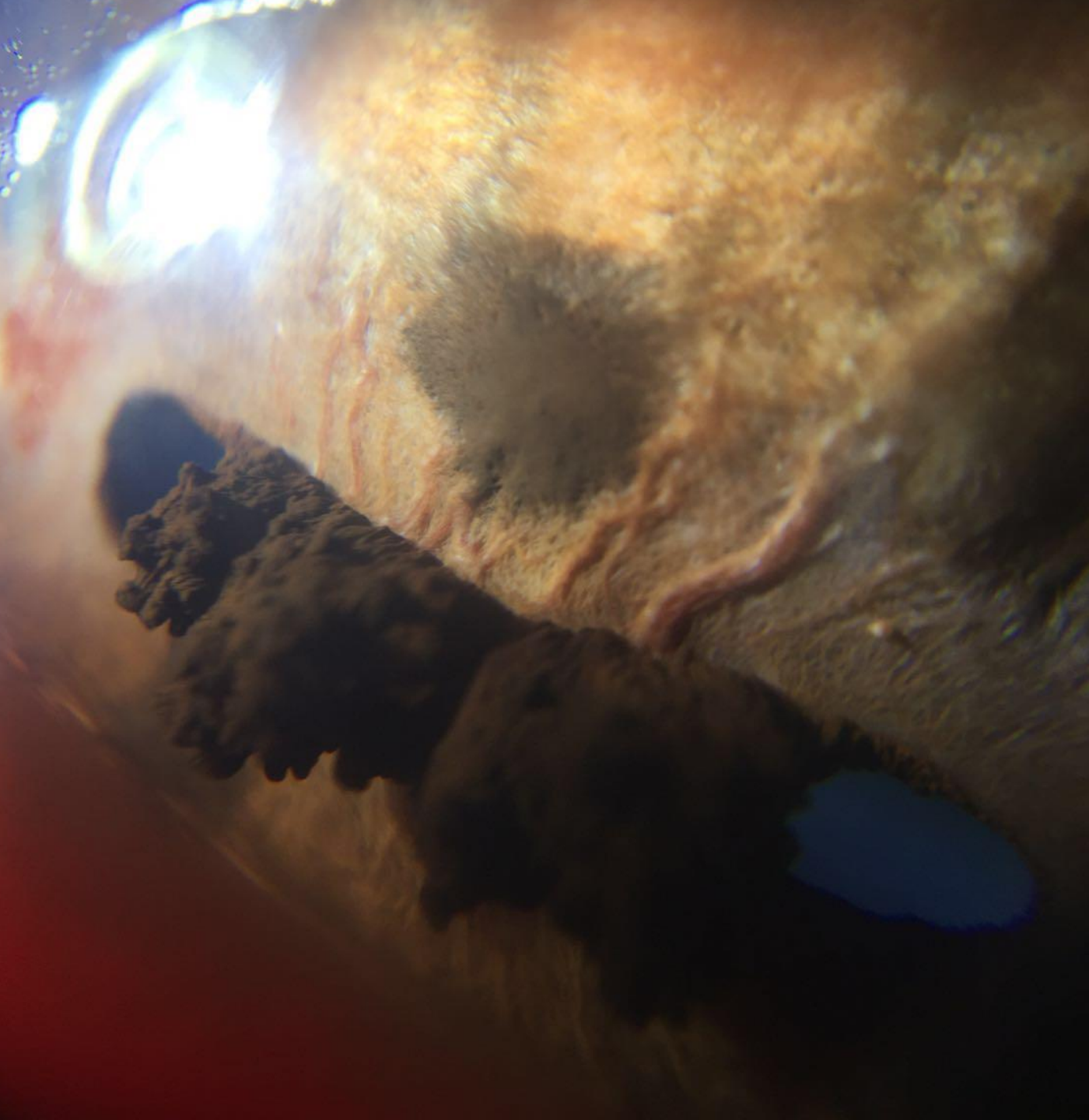


A close-up photograph of a human eye. A blue contact lens is visible on the left side of the eye, partially covering the iris. The iris is a light brown color with a radial pattern. The pupil is visible in the lower-left quadrant. The background is dark and out of focus.

Imaging the iris

Close vs macro



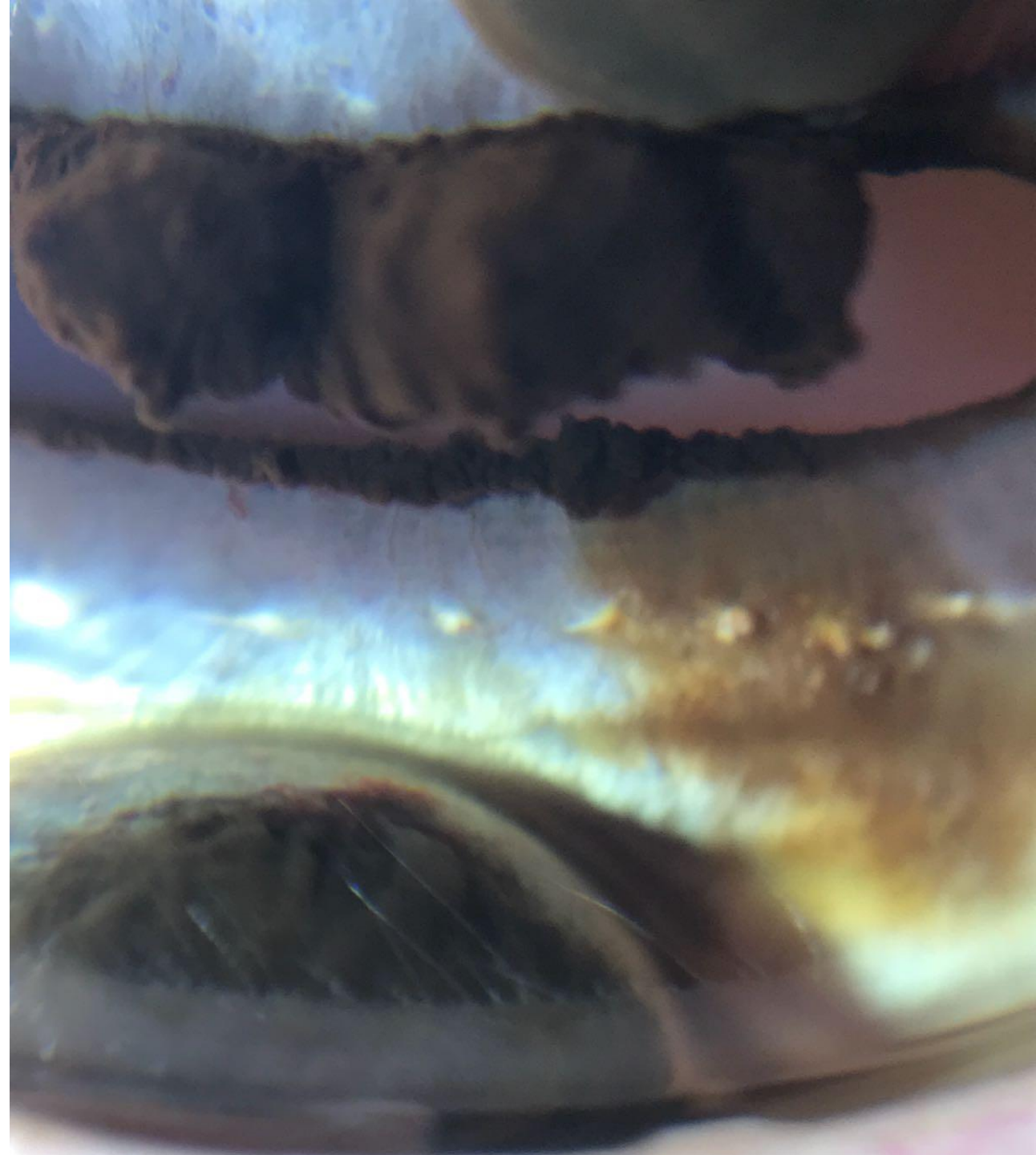






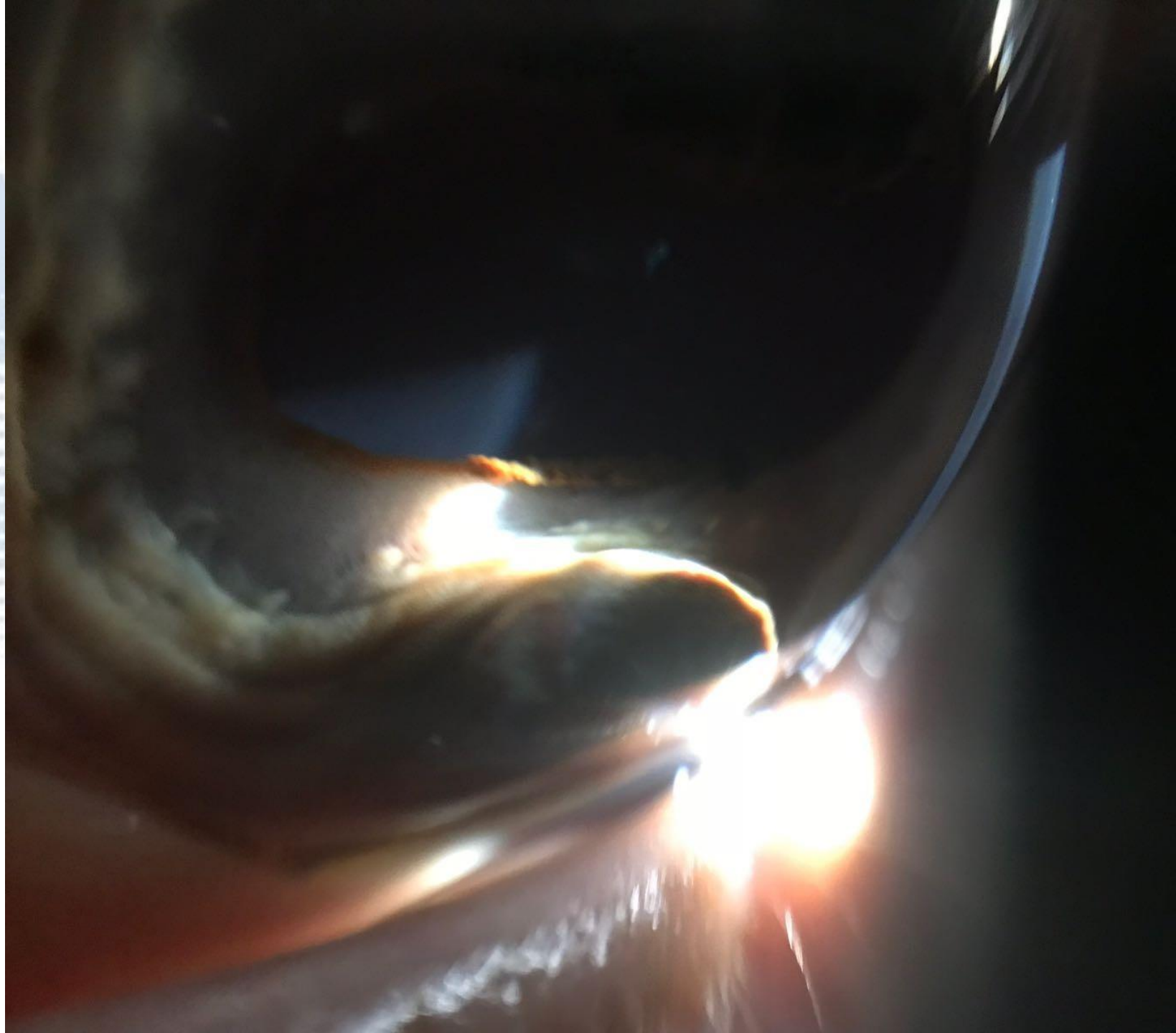
Saffire's story

- iPhone 7plus
- Digital zoom



Saffire's story

- iPhone 7plus, digital zoom, Kowa SL17



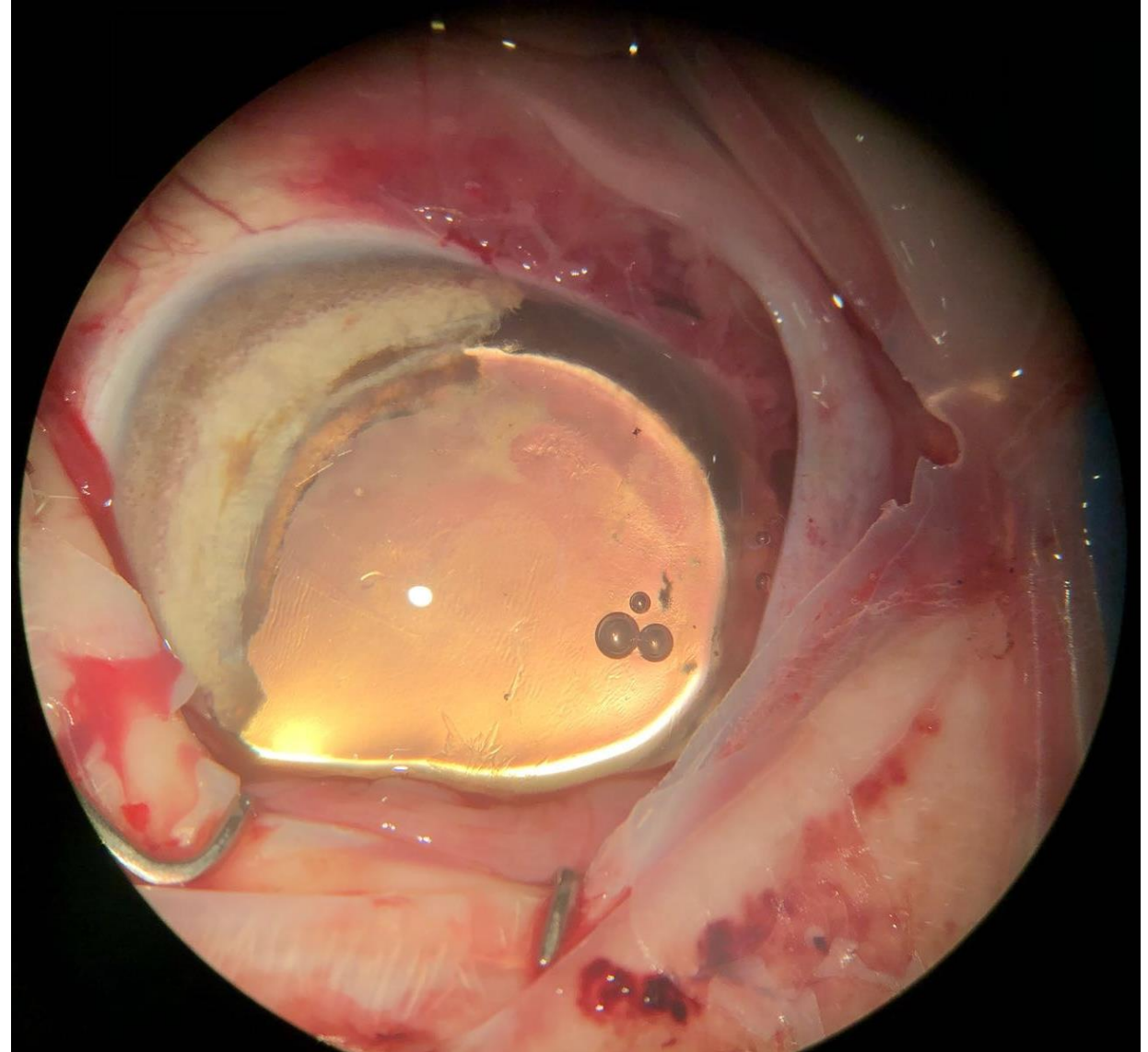
Saffire's story

- Oblique lighting
- Macro x10 iPhone 7 Plus



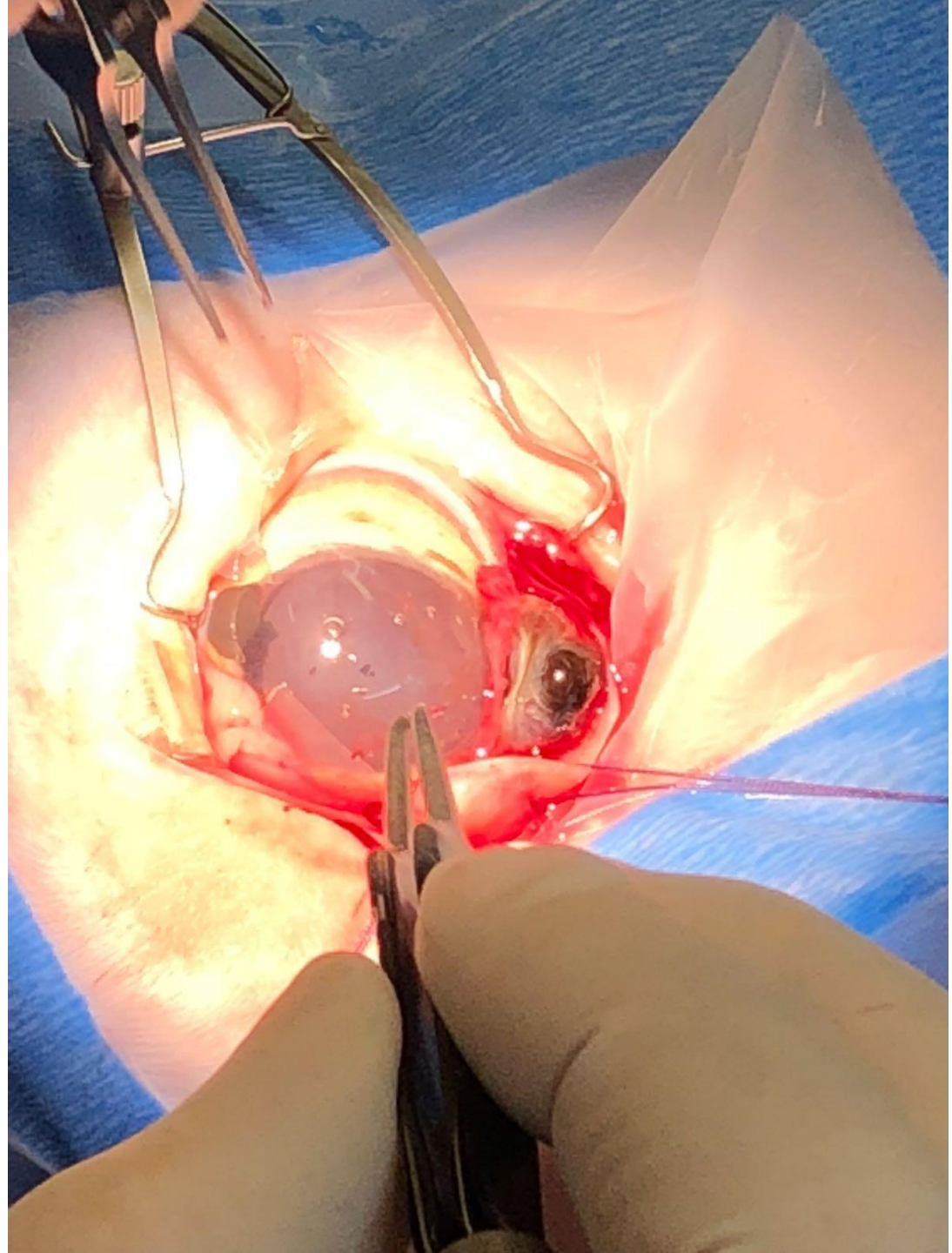
Saffire's story

- iPhone 7plus
- Operating microscope view



Saffire's story

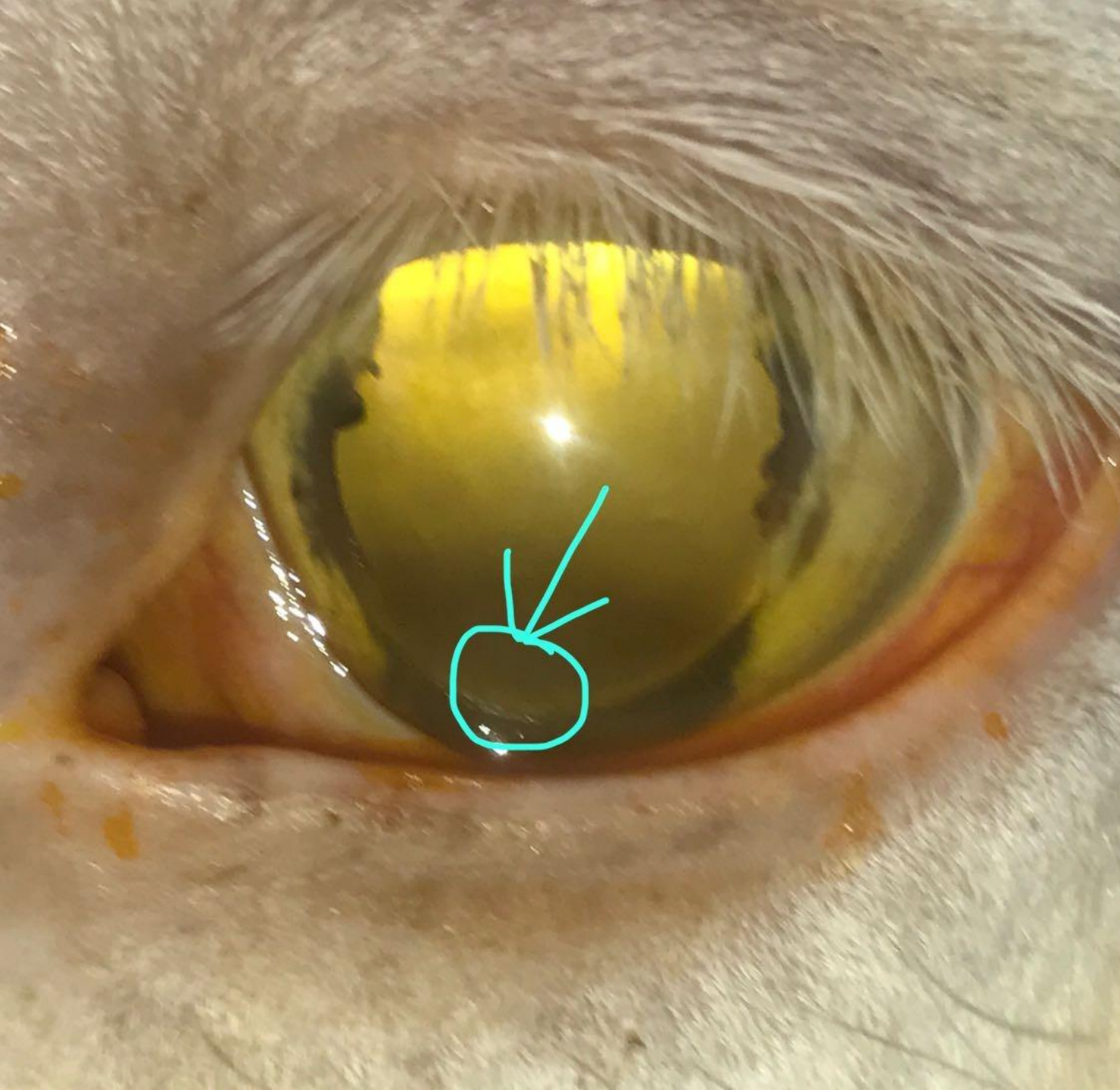
- iPhoneSE
- Digital zoom



Saffire's story

- iPhone 7plus
- Distant direct view, torch mode, digital zoom





WhatsApp profile header for 'saffire' with a circular refresh icon, a plus sign, and a three-dot menu icon.

← saffire ×

CHATS

Team saffire 1/6/2019
Jemma: She's been a very good girl thank you Tim an...

MESSAGES

James Rushton New Iphone 12/11/2018
saffire looking amazing, quite an accomplishment, congrats, w...

Hooman 12/11/2018
✔ Saffire's most recent picture - off all meds' and back to work

Eye vets 2018 12/11/2018
✔ This is Saffire the double iridectomy from a few weeks ...

Team saffire 11/18/2018
✔ Saffire doing so well will help other horses as it wil give us...

Team saffire 11/18/2018
✔ Nelson thinks the fibrin all gone after the clot busting injec...

Team saffire 11/17/2018
✔ Saffire doing amazingly well !!! Small blood clot and some...

Team saffire 11/16/2018
✔ Generally pleased with saffire when checked late last ni...

Team saffire 11/14/2018
✔ Really pleased with saffire - there's a little bit fibrin in t...

Team saffire 11/13/2018
✔ All done - op went well and most import of all saffire f...

Team saffire 11/13/2018

WhatsApp group chat header for 'Team saffire' with members 'James, Jemma, Lyn, You' and search, link, and menu icons.



12:59

Lyn Brocklehurst



12:59

Lyn Brocklehurst

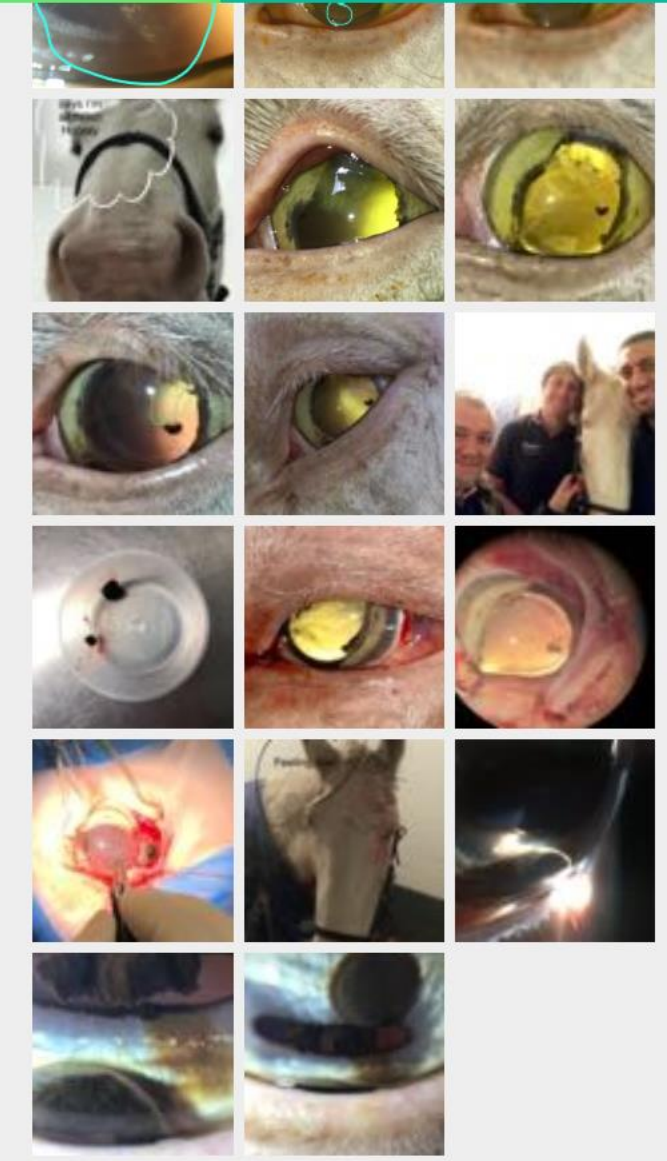


12:59

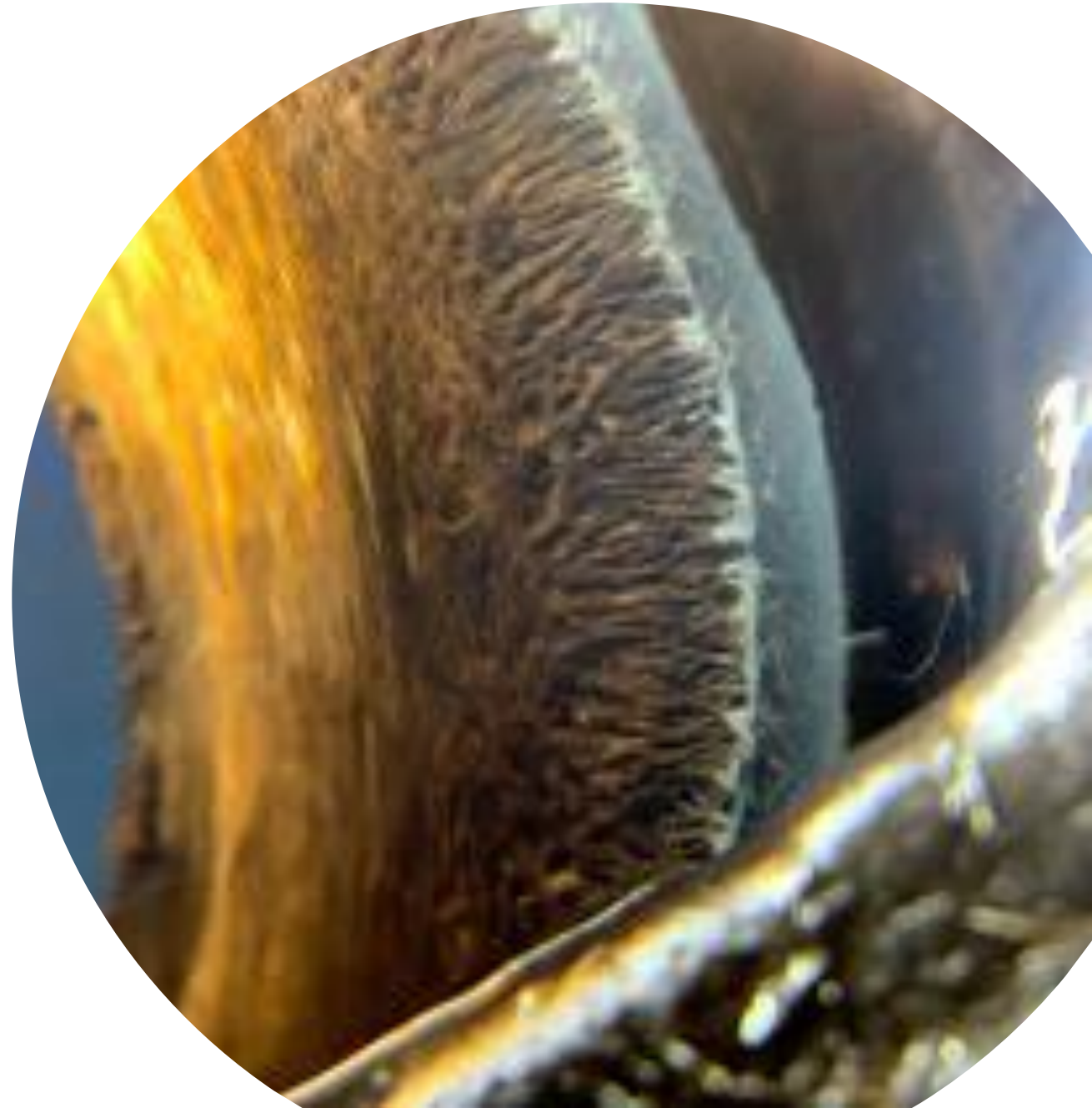
Hi Tim these are the photos Jaqui took on Friday. Hope they are ok? 13:02

Type a message

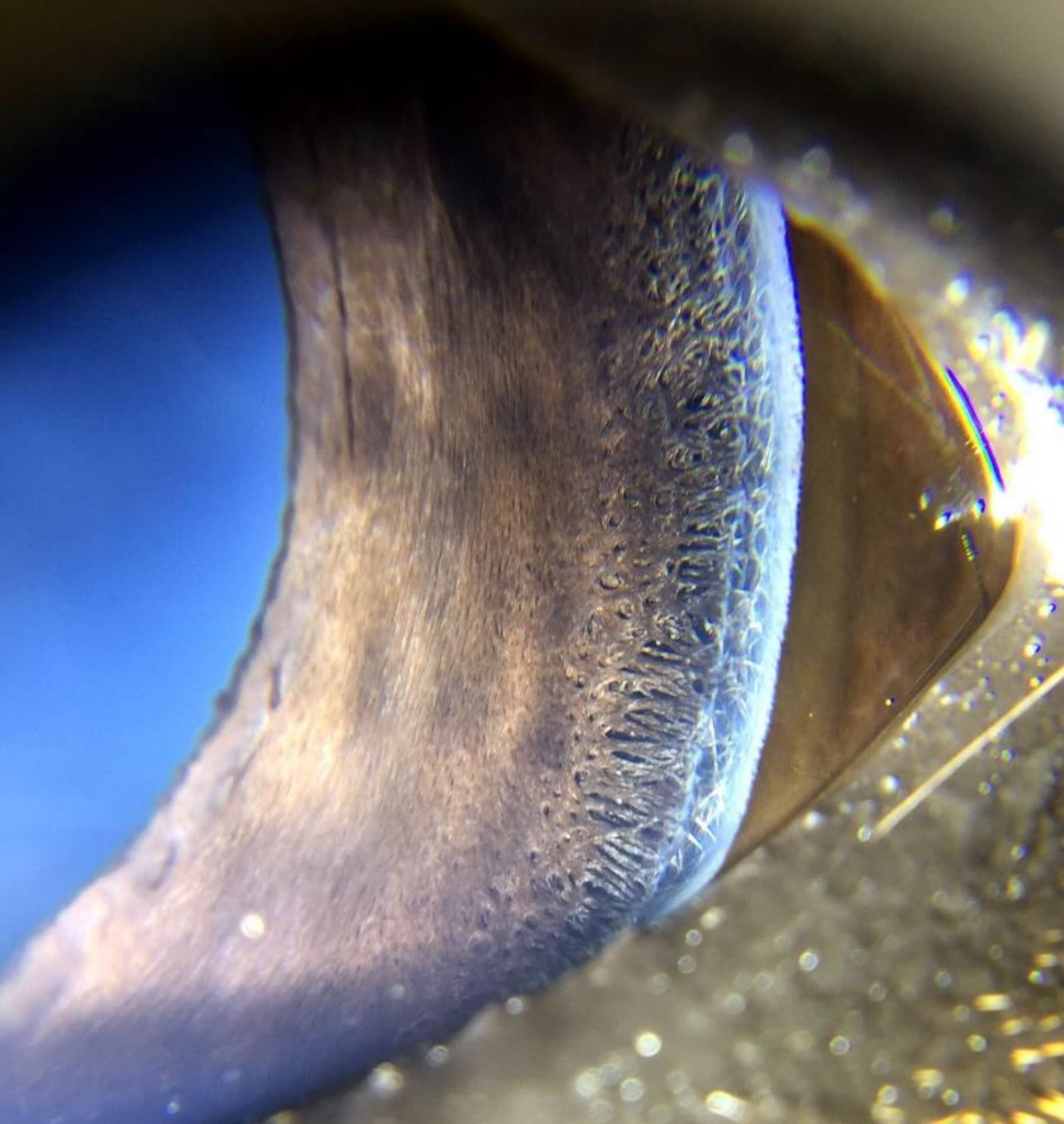
WhatsApp gallery header with 'MEDIA', 'DOCS', and 'LINKS' tabs.

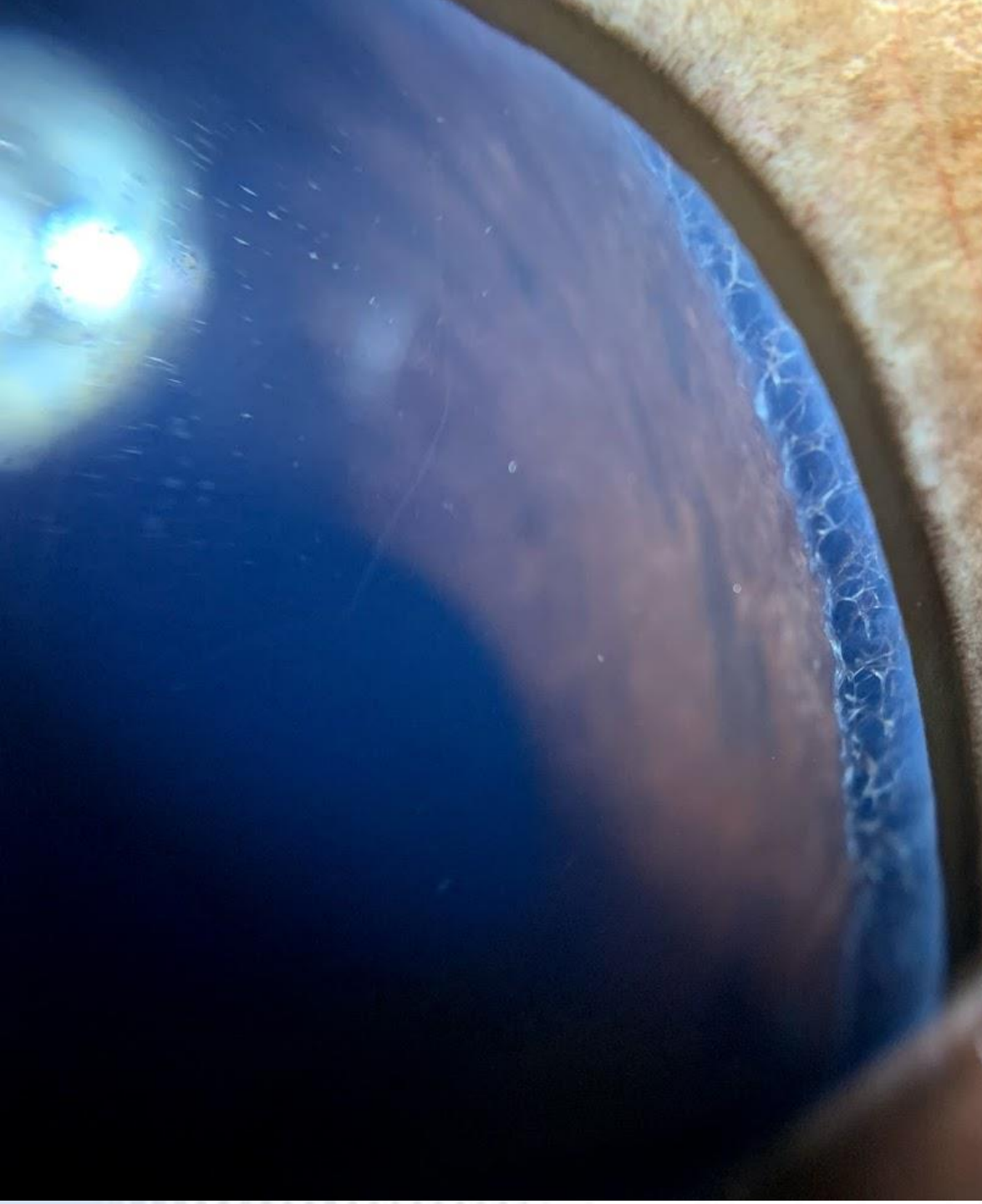


Imaging the
drainage angle











Feline angle

- “Close” distant direct view without goniolens





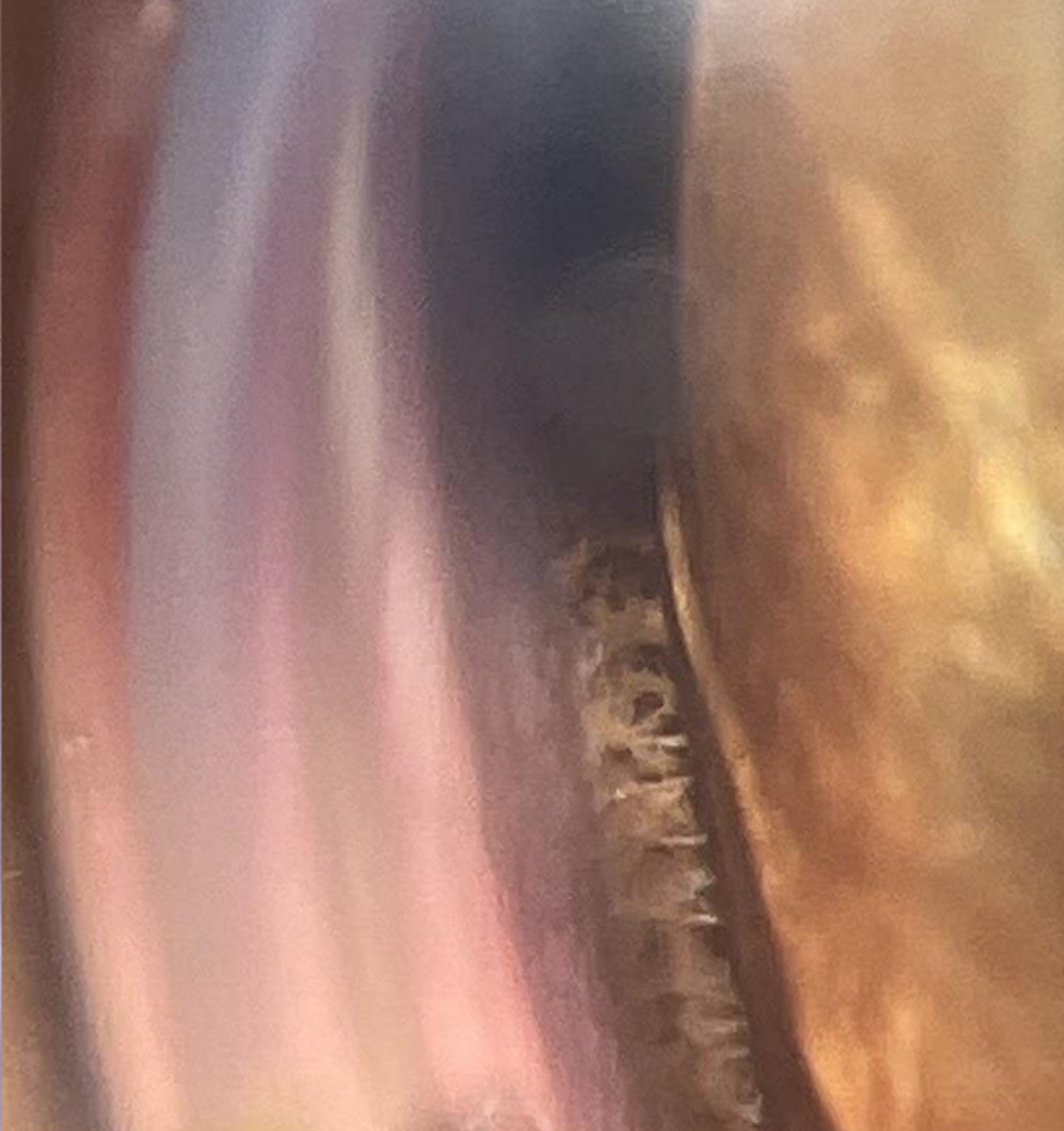




Canine

- “Close” distant direct
- Digital zoom required
- Barken lovac







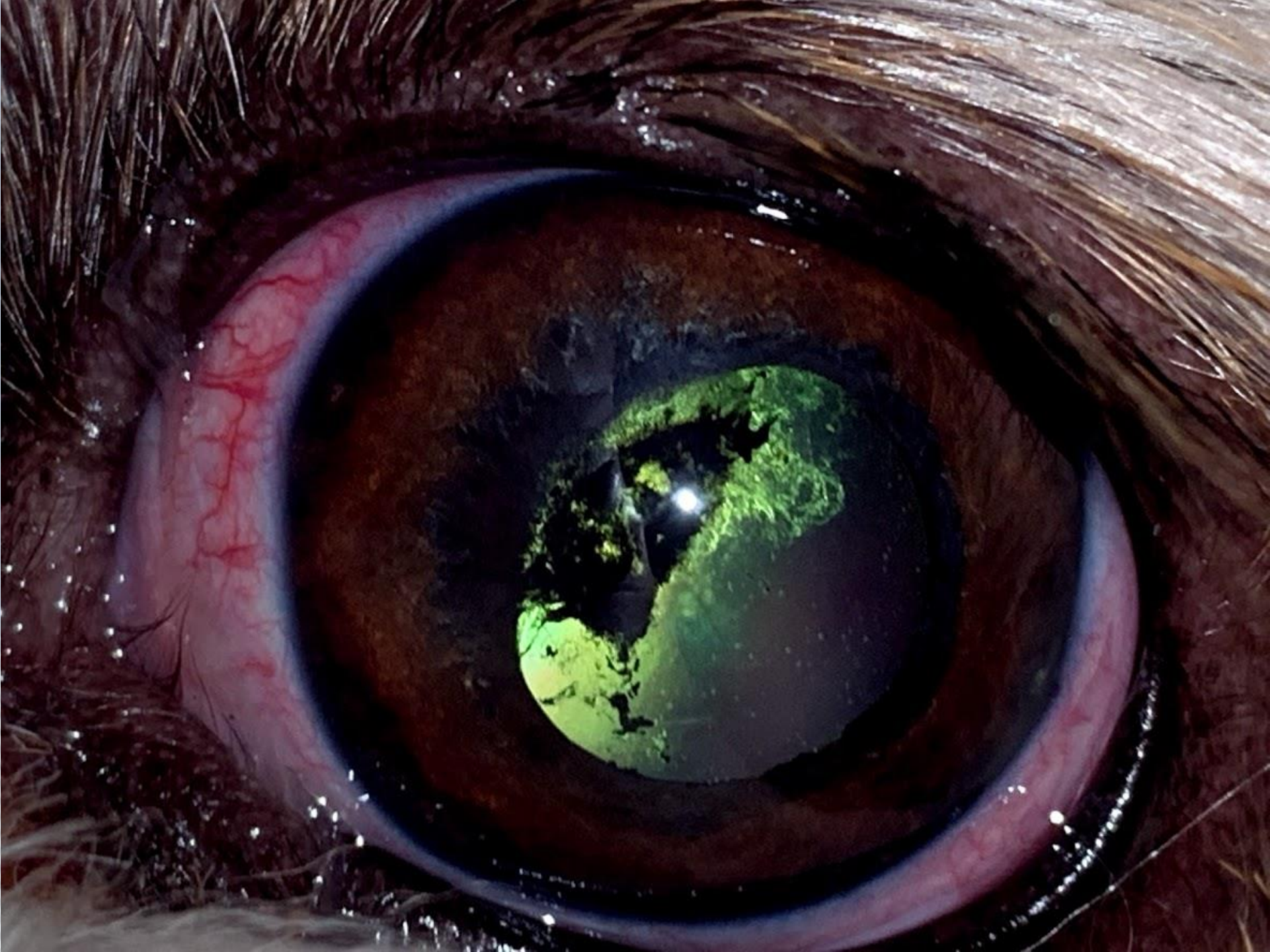
Imaging the lens



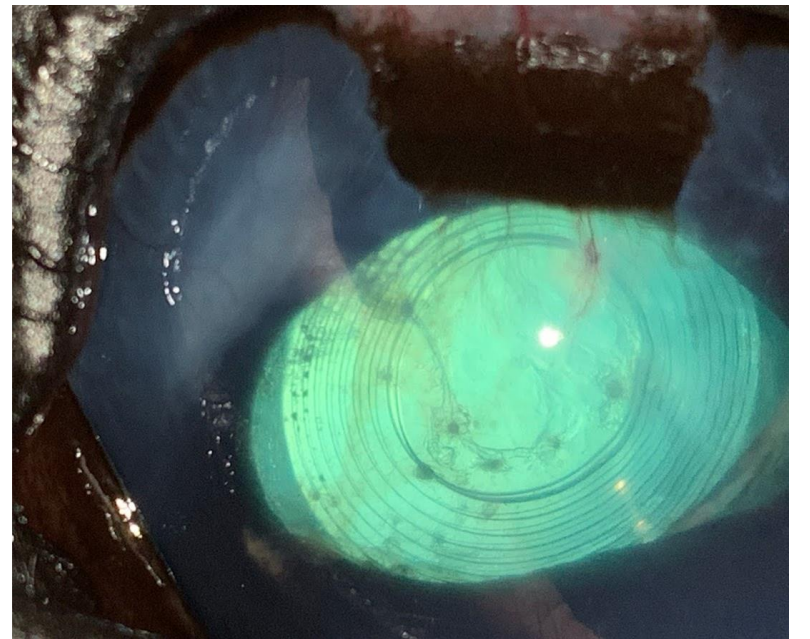




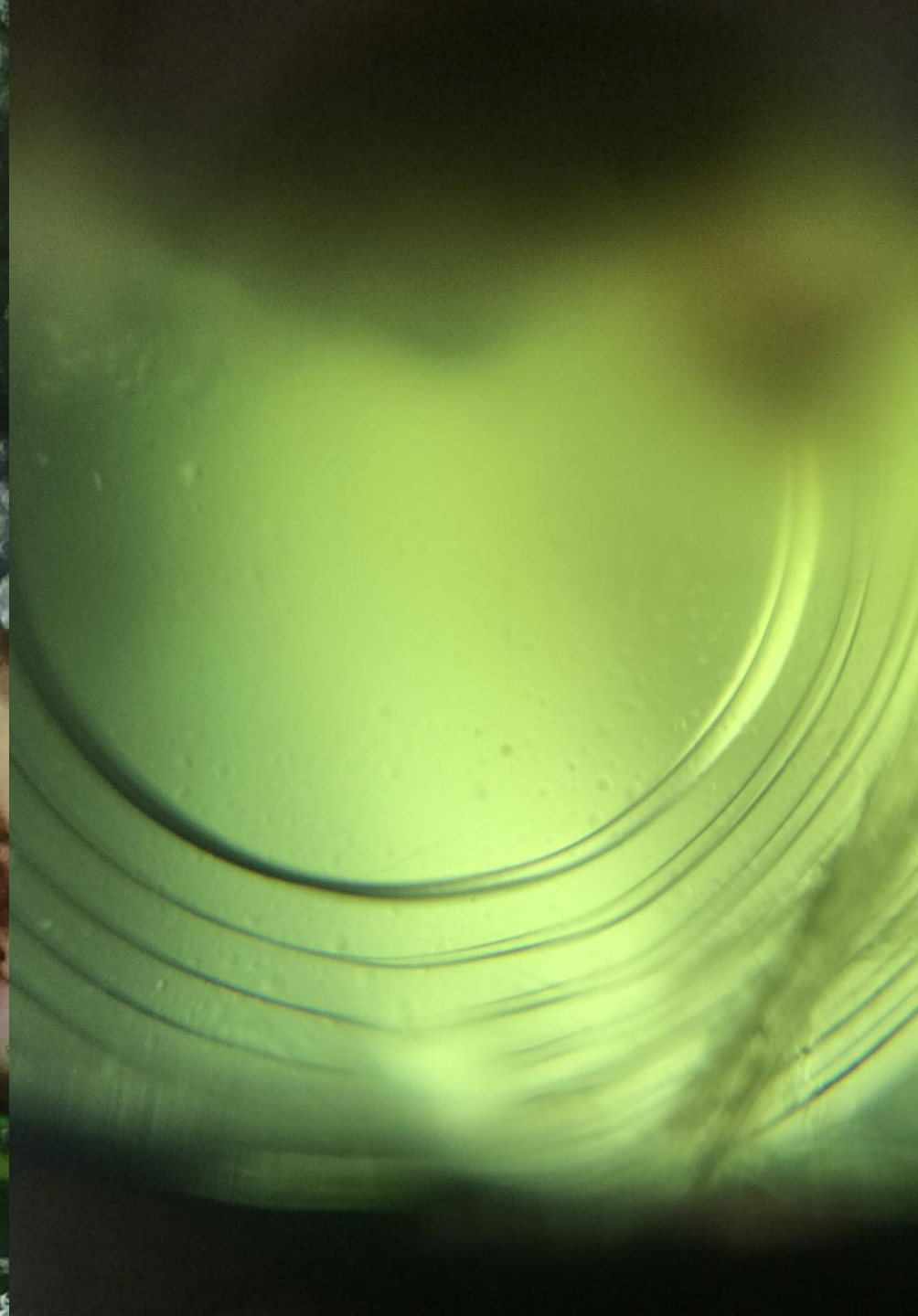
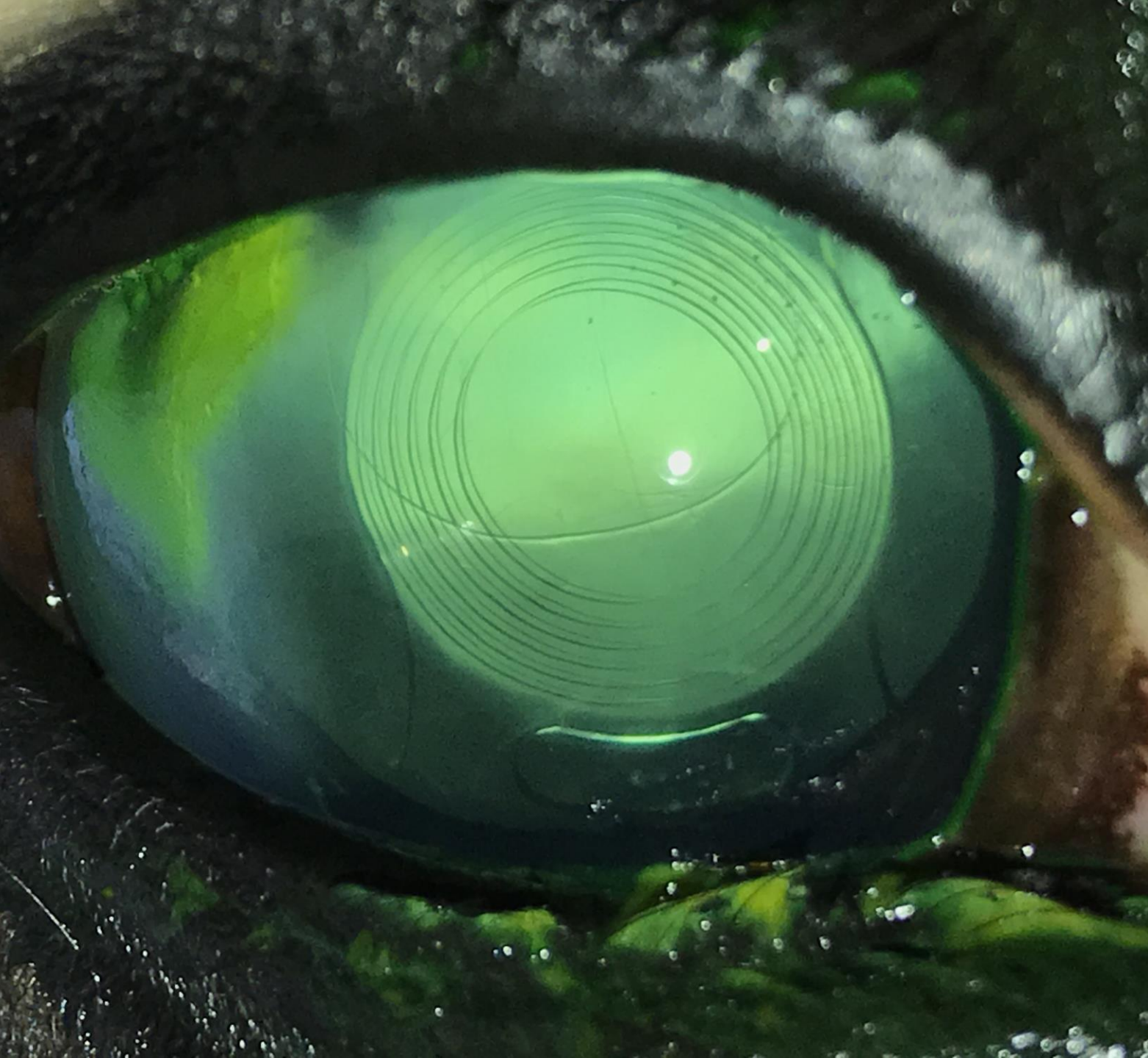




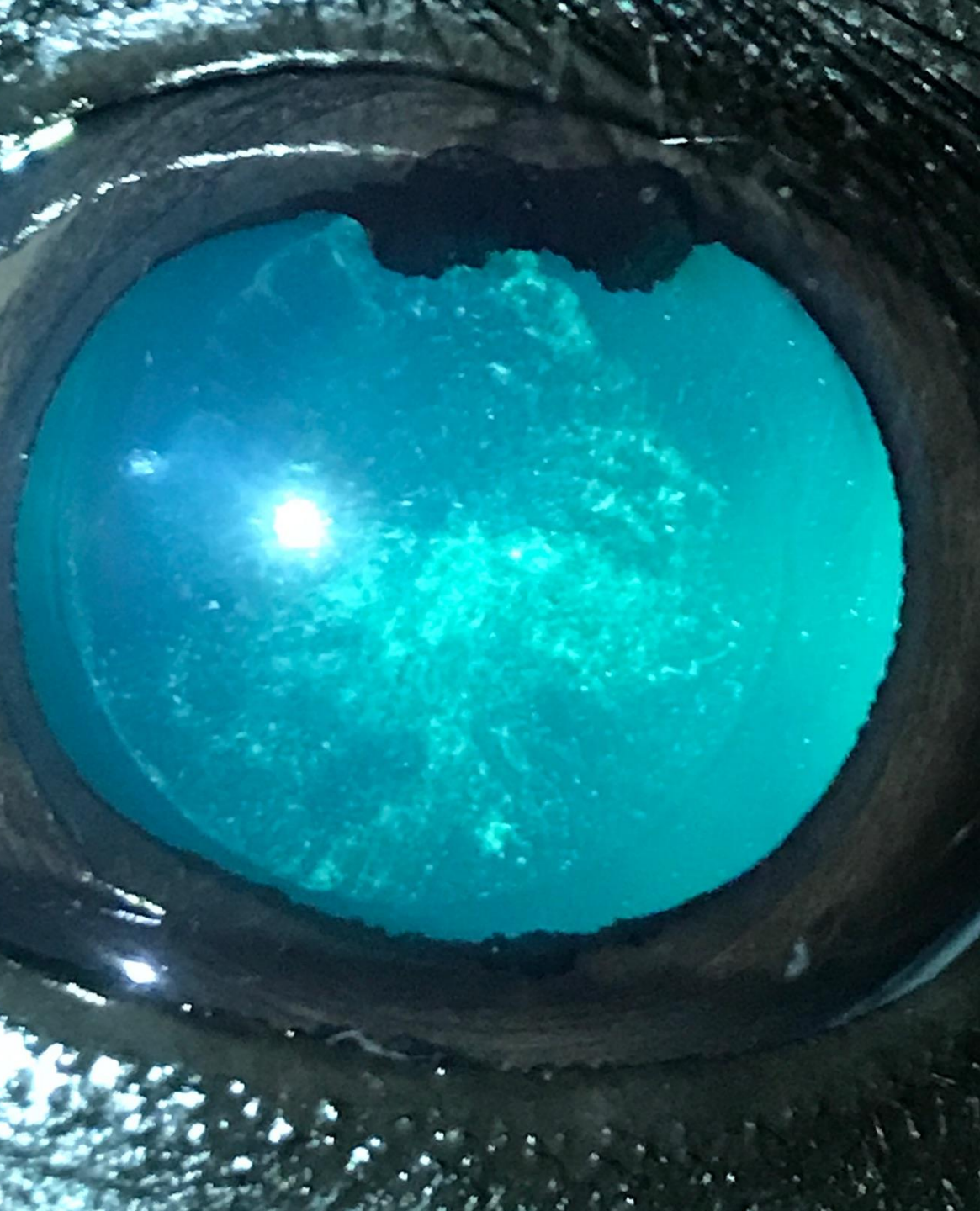


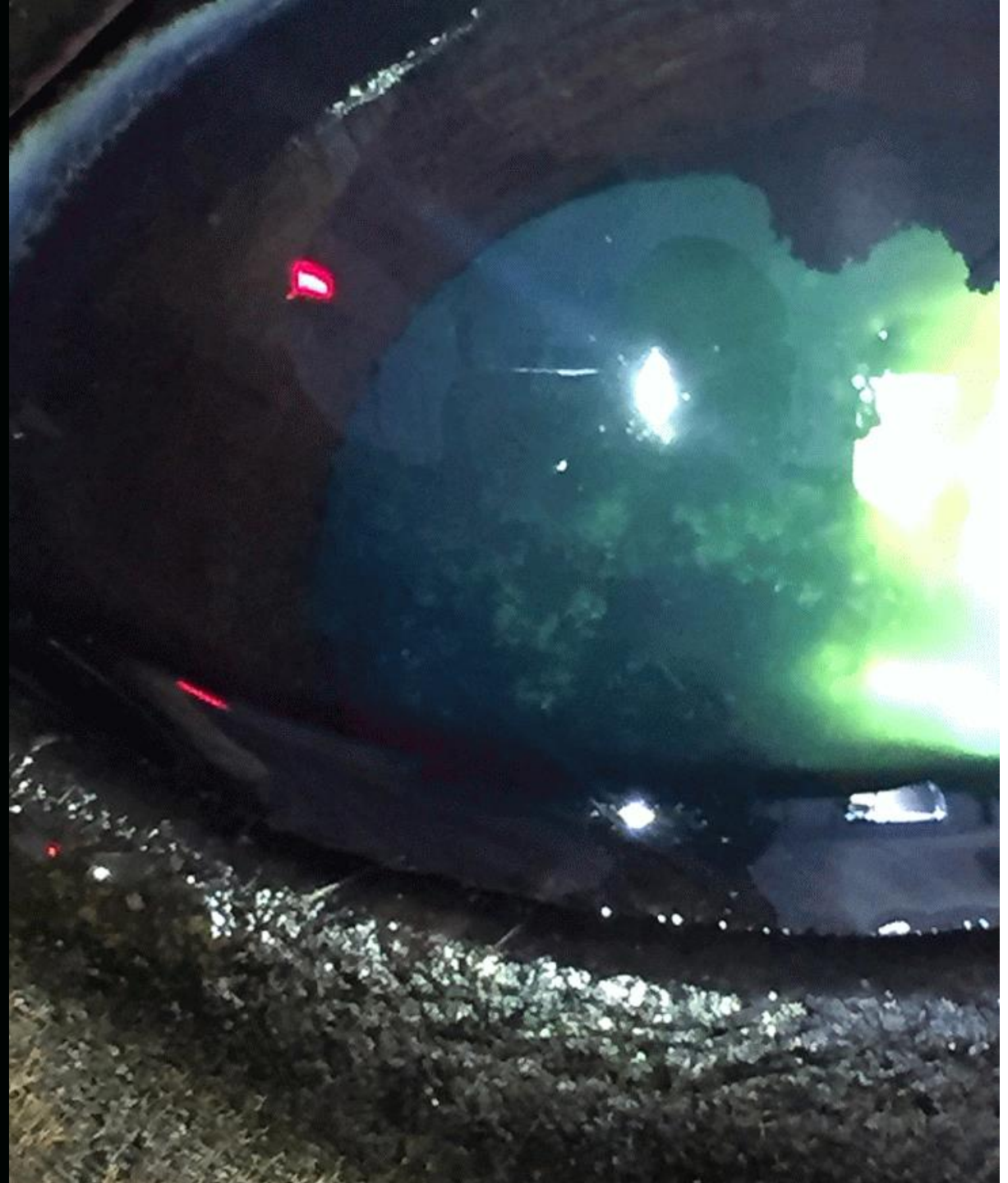
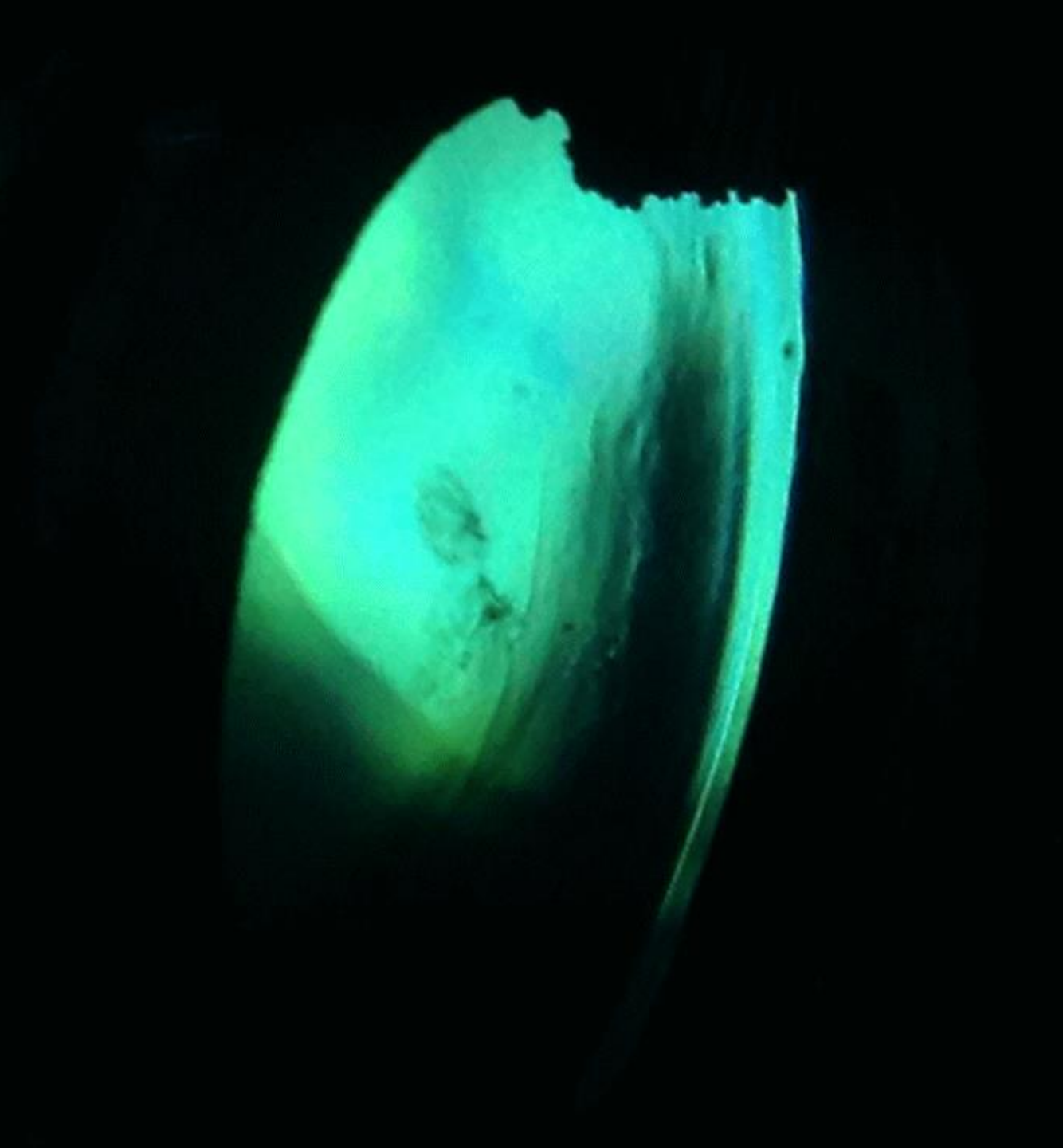




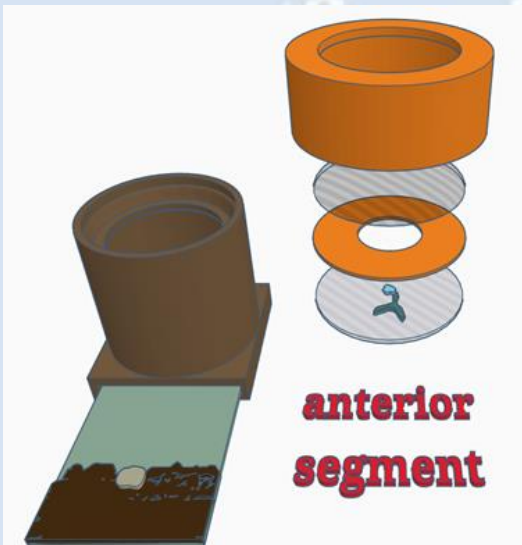








Practical session: iris & lens



Practical session 3: iris & lens

Key skills

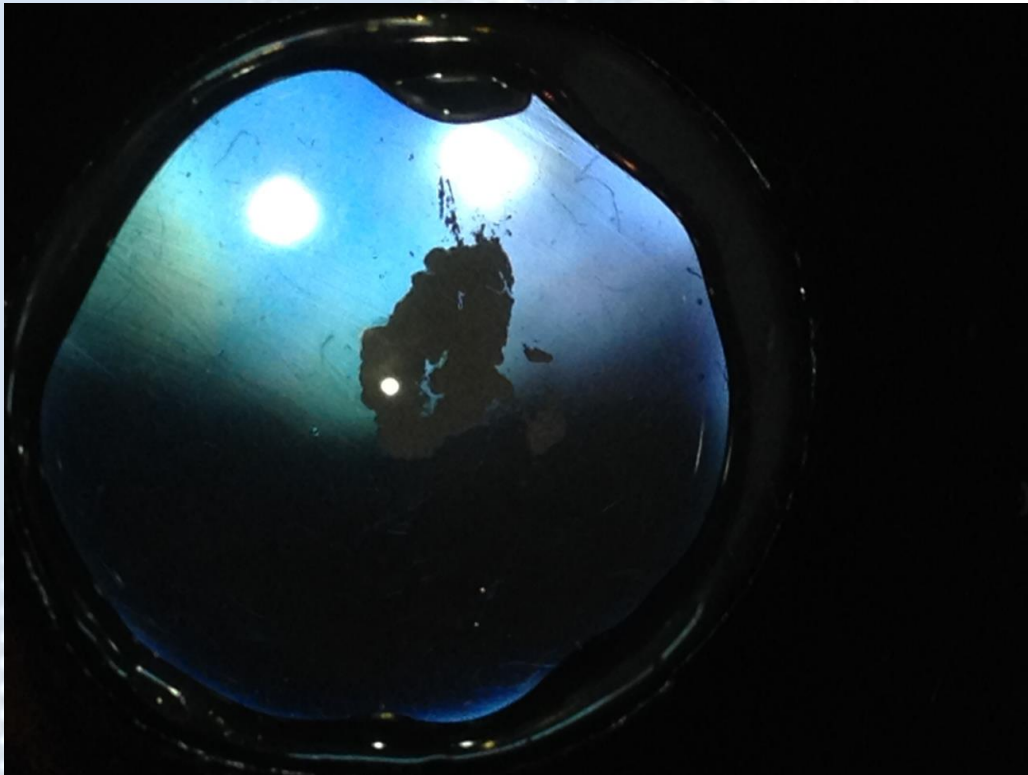
- Use DD to identify lens opacities
- Use DD to localise lesions using parallax
- Use Macro lens to obtain magnified view of iris face and anterior lens lesions using both direct (oblique broad beam) and indirect (retro illumination) lighting techniques to document lens opacities
- Use slit beam adaptor on pen torch, localise lens opacities using slit beam and image with and without the macro lens

Equipment needed

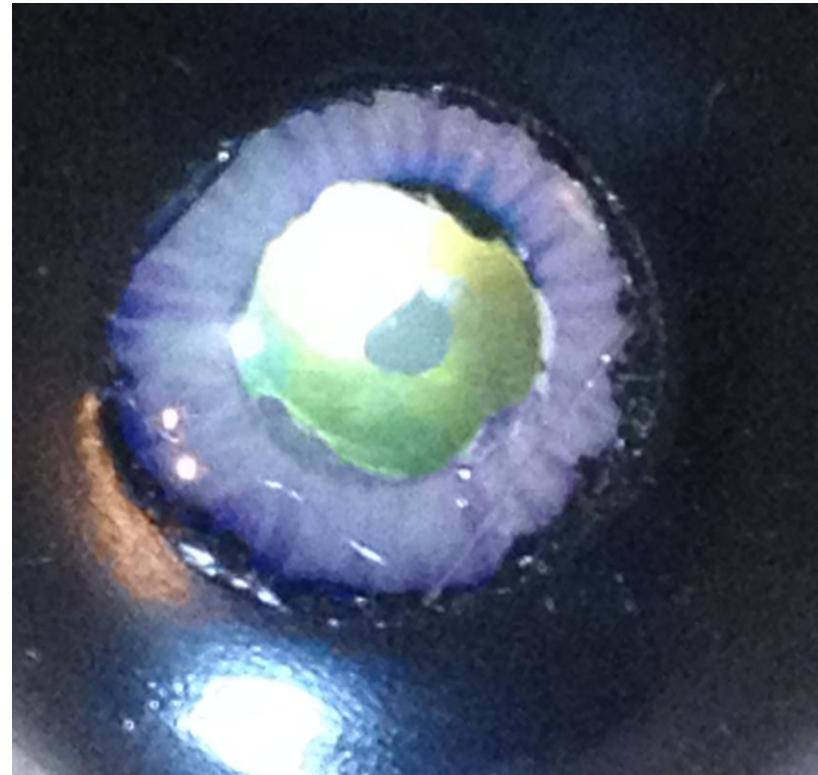
- Smart phone.
- Camera app which allows light to be in “torch mode” whilst capturing images.
- Pen torch +/- slit lamp adaptor.
- Macro lens
- Eye model set up in “anterior segment” mode. (1) simple lid (2) retinal image (3) top planoconvex lens with no opacities (4) paper iris (5) bottom planoconvex lens with painted anterior and posterior “lens” opacities.

Task 1: Use Distant direct to identify & image lens opacities using eye model

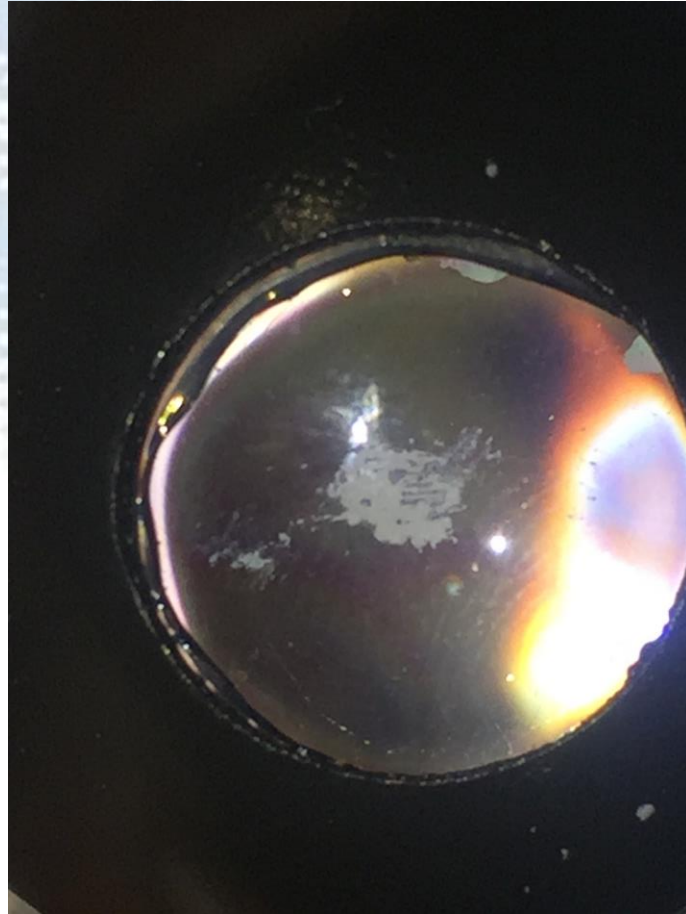
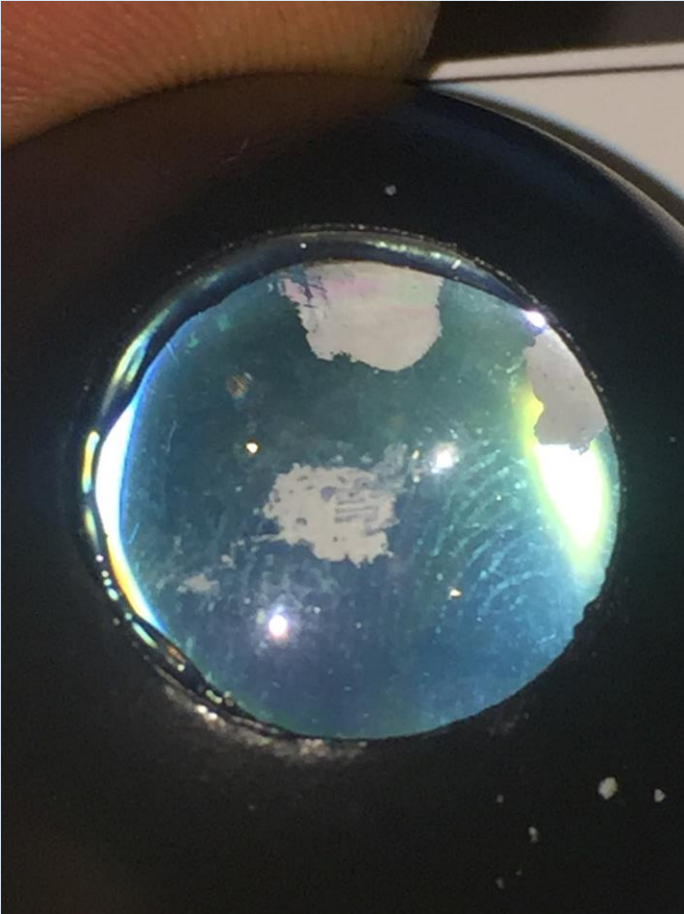
Distant direct at 30cm



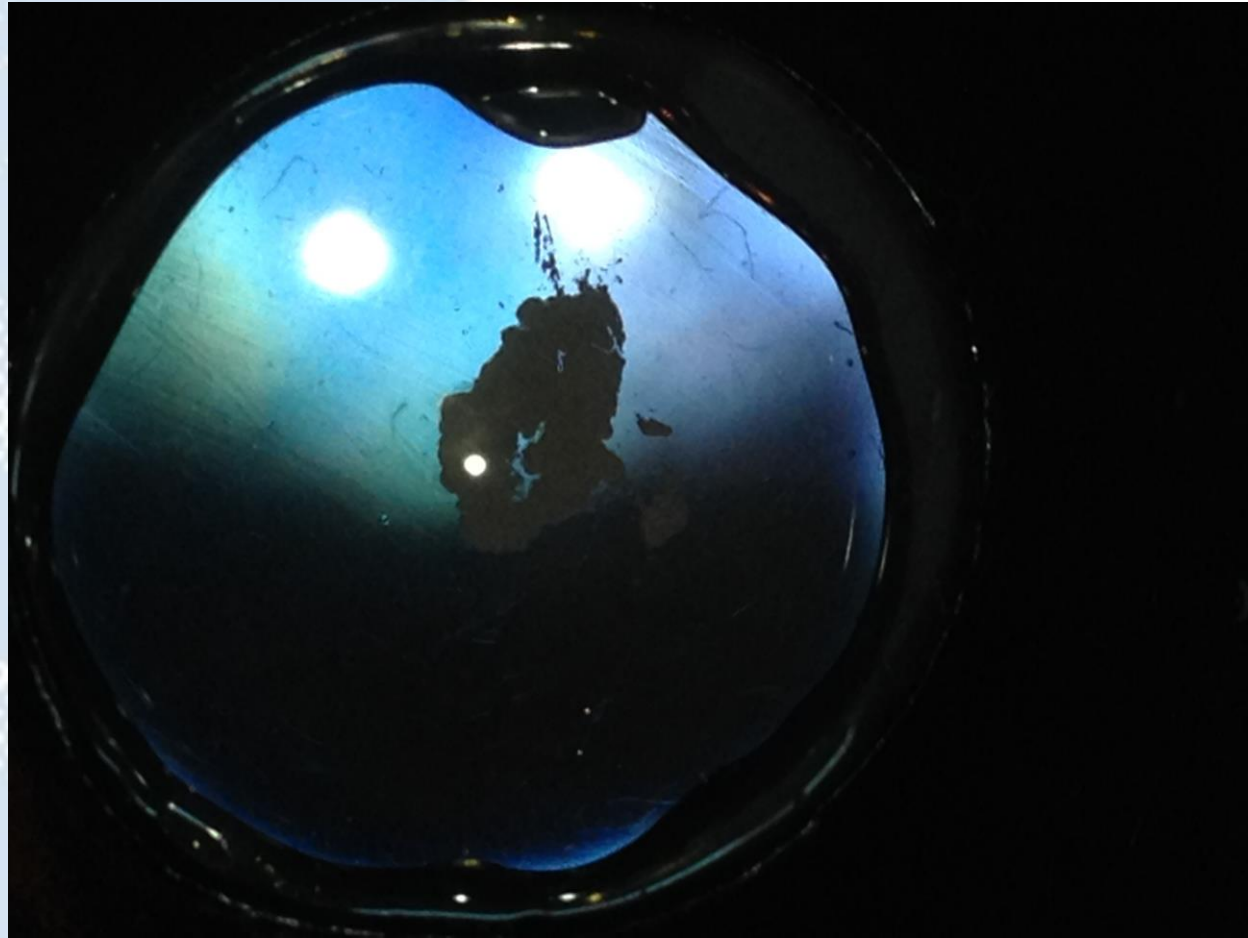
“Close” Distant direct at 10cm



Task 2: Use macro lens to image iris and anterior lens opacity using eye model



Task 3: Use retroillumination to image the lens lesions



Task 4: Simulate slit beam illumination technique to localise and image lens lesions

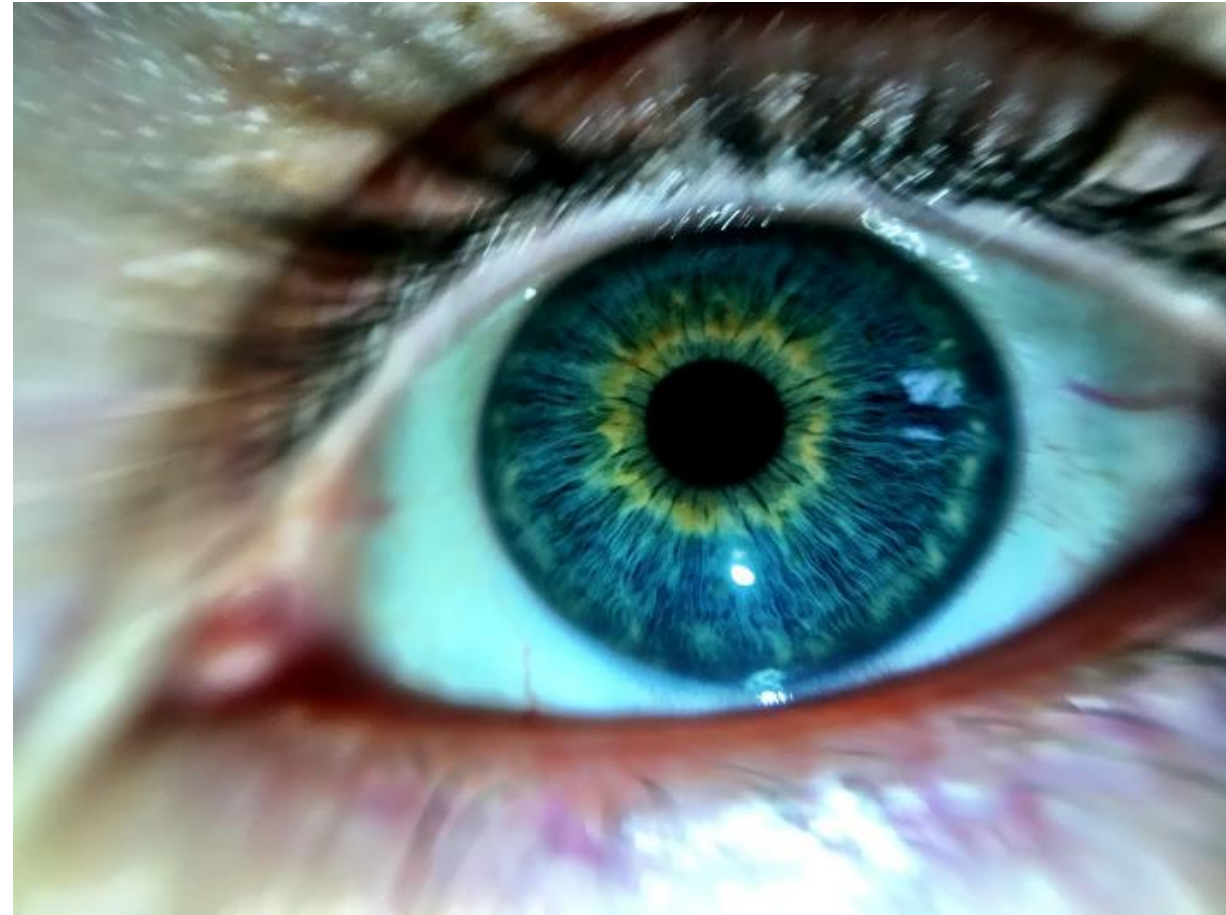


Task 5: Use your new macro lens skills to image your partner's anterior chamber.

Oblique illumination, 10x macro lens, iPhone 7plus. Post processed with HDR type filter (Camera +, "Clarity filter")

WhatsApp me your best image for a prize !

+447782219868





+447782219868

Tim

A man with a goatee and a checkered shirt is sitting at a desk. A pug dog is lying on the desk in front of him. The background shows a computer monitor, a printer, and a cardboard box. A semi-transparent circular overlay is on the left side of the image, containing text and a list of contact information.

Thanks for listening

- Hope to see you at the clinic soon
- eyes@rowevetgroup.com
- 01454 521000
- 07782219868