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Case Report

Vitreous Hemorrhage of Pre-Retinal Location after COVID Vaccine. Clinical Case Report

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Abstract

It is not normal for young athletes to suffer from cardiac arrests or to die while playing their sport, but this year it is happening. All these heart issues and deaths come shortly after they got a COVID vaccine. While it is possible this can happen to people who did not get a COVID vaccine, the sheer numbers clearly point to the only obvious cause.

A non-exhaustive list of injuries reported including Cardiac arrest (the most), Blood cloths or thrombosis, Stroke, Irregular heartbeat, Arrythmia, Neuropathy, Death.

The COVID-19 pandemic, which started in late 2019 and continues as at mid-2021, has caused enormous damage to health and lives globally. The urgent public health need has led to the development of vaccines against COVID-19 in record-breaking time.

Keywords: Retina; Blood; COVID; Vaccine; Coagulation; Vitreous body

Background

Coronavirus disease 2019 (COVID-19) is an infectious disease caused by a new species of β-coronavirus named severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) [1]. It is a single-stranded RNA β-coronavirus whose genome encodes structural proteins, nonstructural proteins, and accessory proteins [2].

The mortality rate is higher in elderly patients and those with preexisting health conditions [3]. The lack of effective treatment means vaccination, alongside other public health mitigation measures such as hand hygiene, increase of dissolved oxygen levels in drinking water [4], and social distancing, remains the only pathway to suppression of the virus and release from the pandemic. Panicked, many governments have approved the rollout of some vaccines through emergency approval procedures, and several clinical trials are ongoing worldwide to find specific treatments and vaccines for COVID-19 [5].

However, fears, rumors, and misconceptions persist, particularly regarding COVID-19 vaccines [6]. In accordance with FDA, most of the reports are minor adverse reactions which include body pain, chills, fatigue, fever, headache, nausea, and pain in the injection site. These usually appear on the first or second day of vaccination and may last for 2-3 days. Most people tolerate these adverse reactions while others experience greater discomfort [7]. Considering the post-authorization experience on the use of COVID-19 vaccine AstraZeneca of other countries, information on the very rare and serious adverse events of thrombosis and thrombocytopenia and in some cases accompanied by bleeding has been revised under the special warning and precautions for use.

Clinical Case Report

Female, DOB: 05/May/1944. Fitzpatrick Phototype IV. Systemic hypertension, moderate, controlled with Enalapril, 1 x 24. She sees

light and dark, LE surgery for a fall, retinal detachment; they placed a silicon band on LE. DM-, HAS+. Take Enalapril, 1 x 24. Low thyroid function, Levothyroxine (Not operated on the thyroid), Cinnarizine, Letrozole. She had Cerebral Vascular Event (CVE) in 2015, 7 days hospitalized ISSSTE, in a coma. She has always suffered from high myopia, the throat feels discomfort, foreign body sensation. Cancer surgery, right mastectomy, and can't sing. CA right breast? chemo, radiotherapy not for the money. Burning in the stomach, intestine. Bone and knee pain, cervical and fifth lumbar. Bring a catheter for chemo since June 2018

She was treated at our office since April 2019, by long-lasting vision troubles (Figures 1-15).

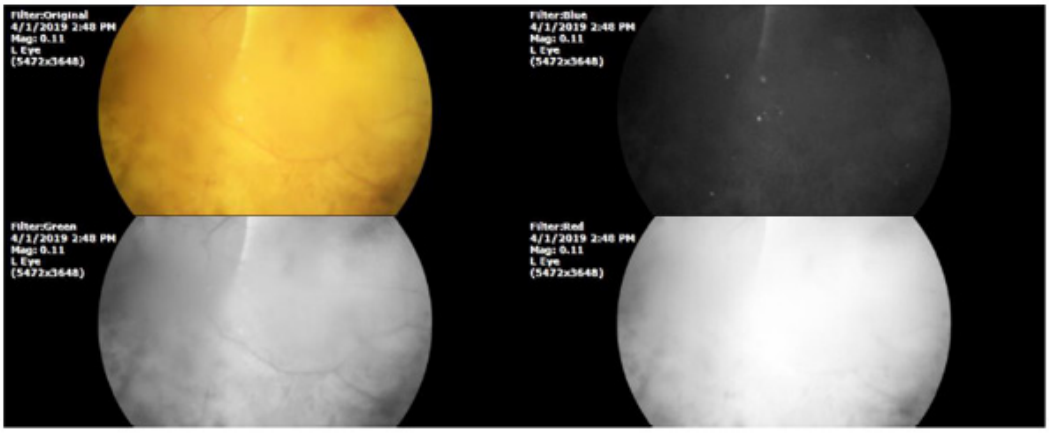

Figure 1: Image of the left fundus showing edema of the macular region.

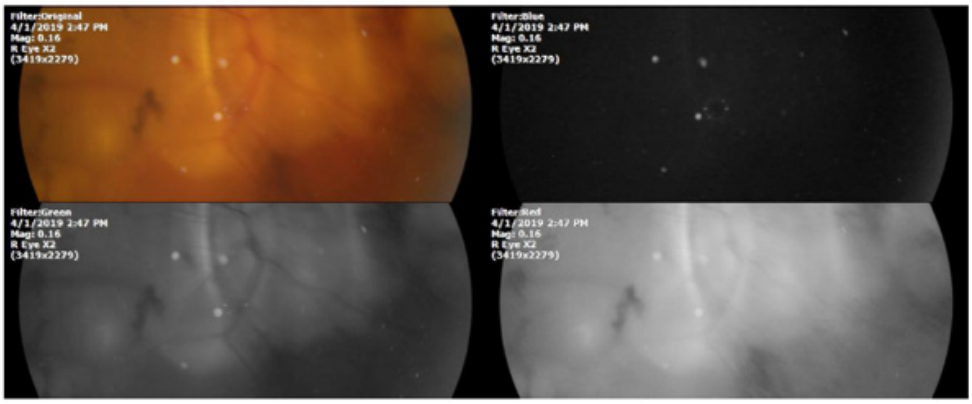

Figure 2: Image of the right fundus, which shows a posterior pole distorted by high myopia, as well as the choroid very affected especially in the macular region.

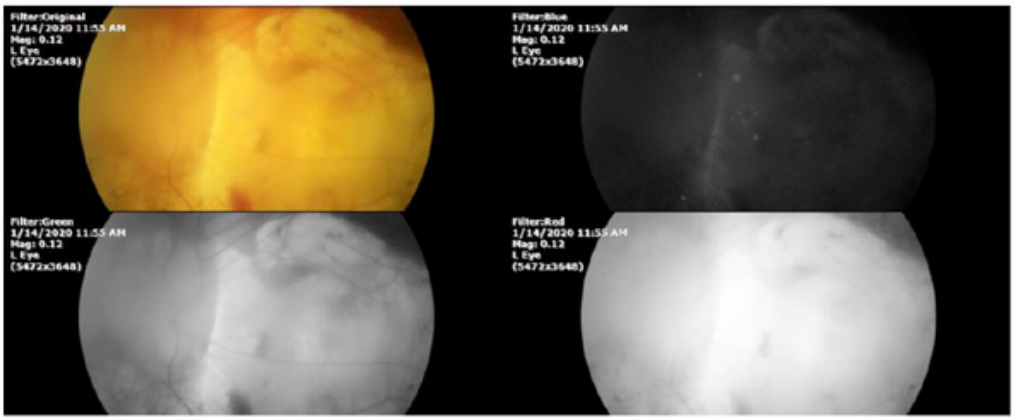

Figure 3: With our treatment, based on the pharmacological modulation of the until now ability of the human body to dissociate the molecule from water, like plants, there is a slight improvement in the image of the left fundus.

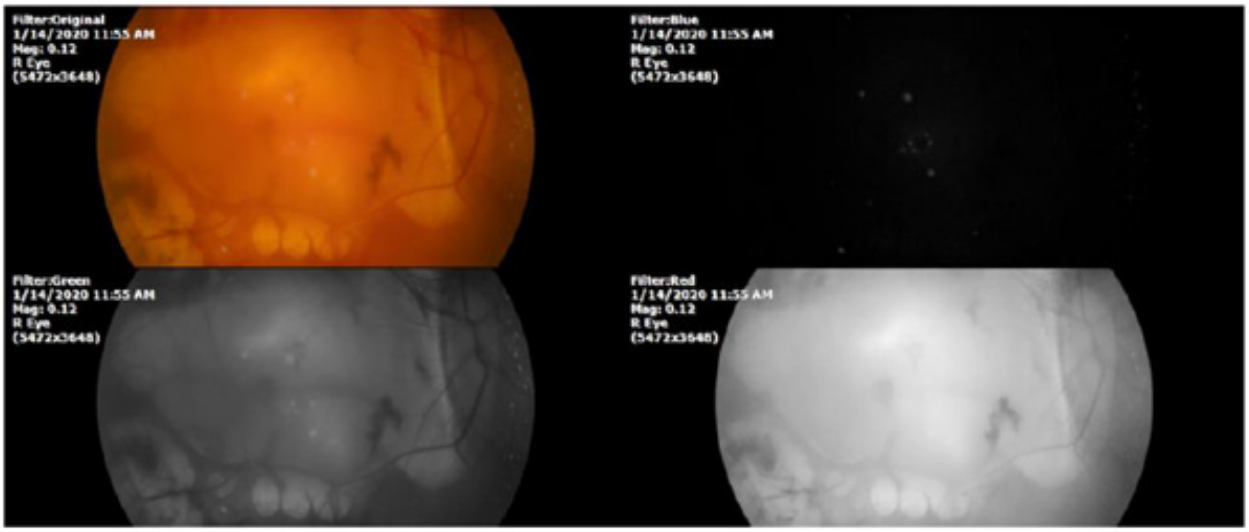

Figure 4: In the right eye, improvement in posterior pole edema is most noticeable.

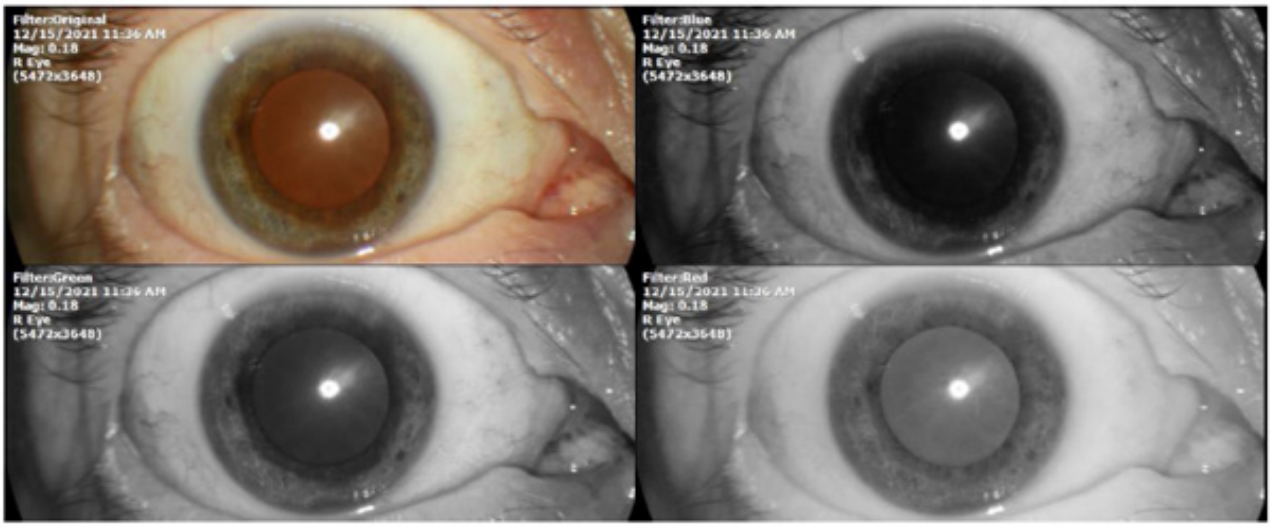

Figure 5: She goes to consultation, on December 15, 2021, 6 weeks after having applied the second dose of the COVID Vaccine, and reports that his vision dropped sharply about two weeks ago. On examination with a slit lamp, the red reflection of the fundus is significantly attenuated.

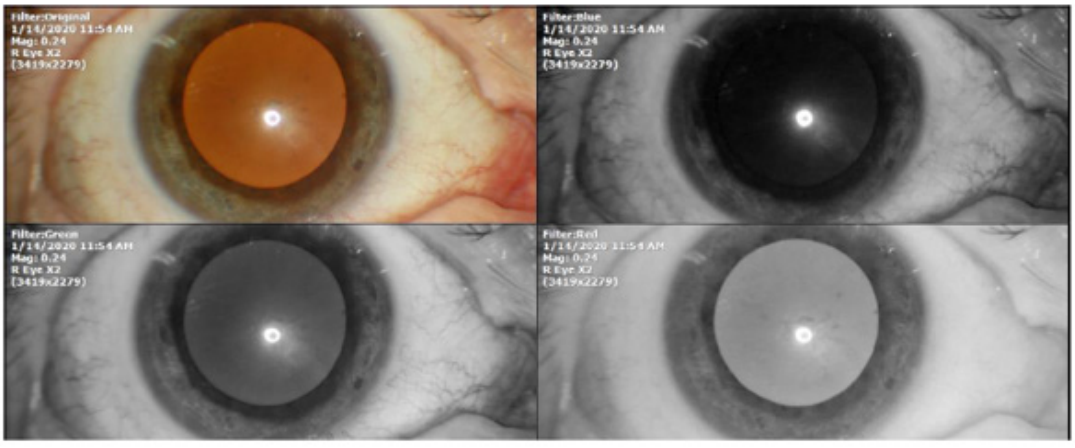

Figure 6: The image in which you can see the intensity of the specular reflection of the fundus, from the previous consultation; it is significantly different, more intense.

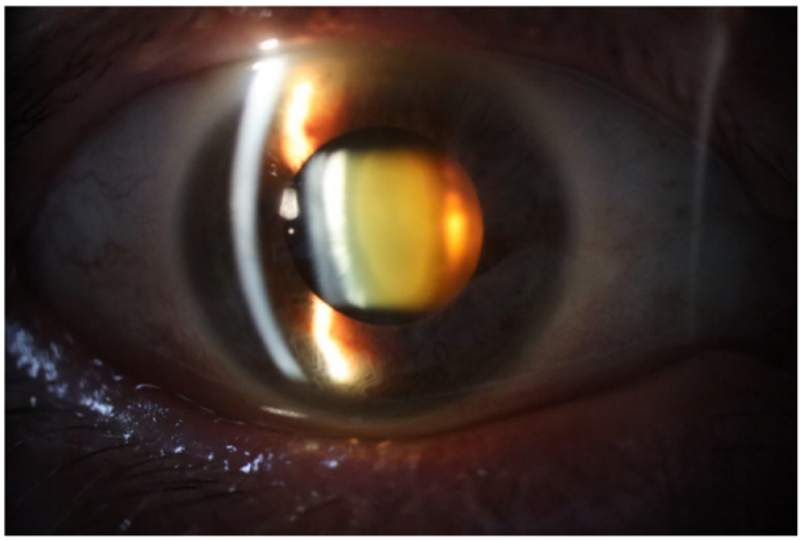

Figure 7: The photograph with slit lamp, shows a reddish reflection behind the sclerosal lens, compatible with the presence of blood in the vitreous.

Figure 8: The examination of the fundus on the right side shows a bleeding of regular abundance, which has been located mainly on the surface of the retina.

Figure 9: The bleeding forms a C, surrounding the macular area, without affecting it.

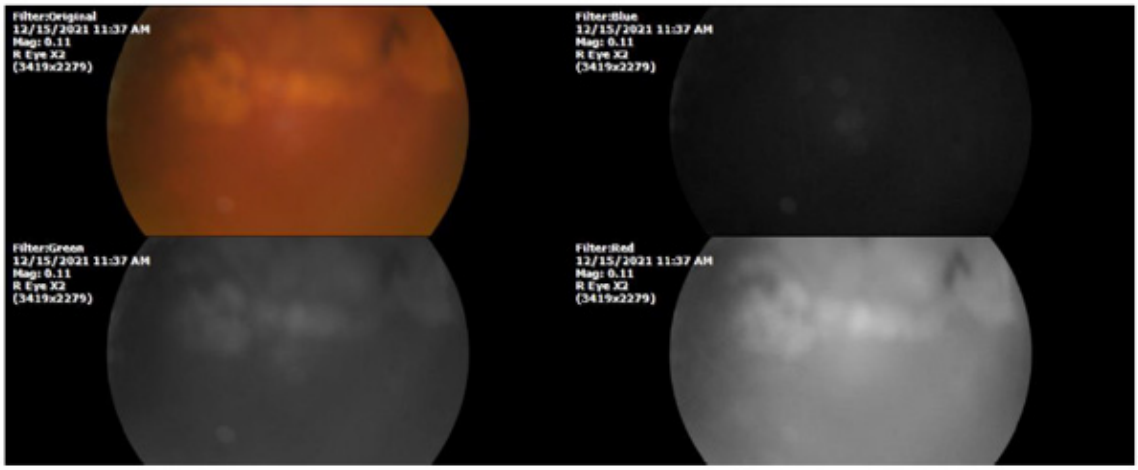

Figure 10: The blood spreads around the macular region, without affecting the macula, but it has made the vitreous body cloudy, so the image is not sharp.

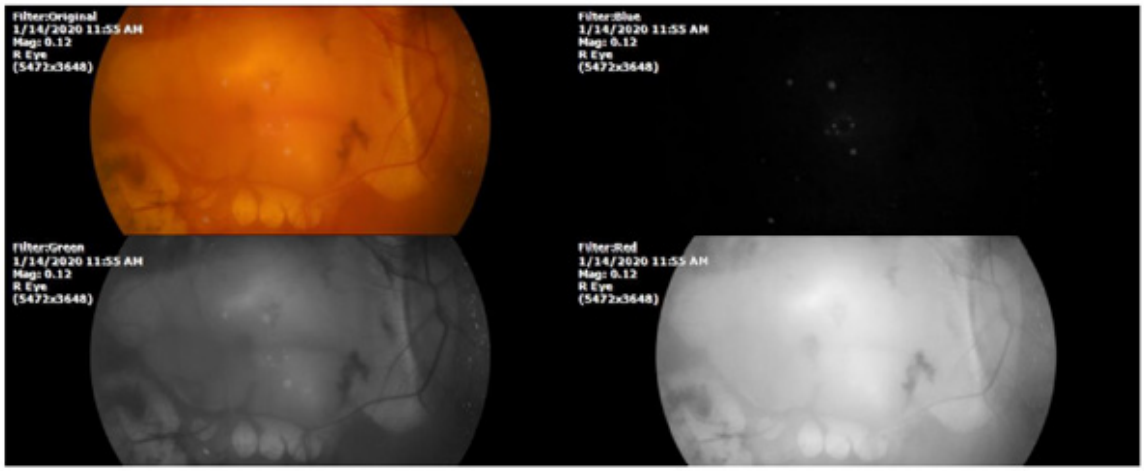

Figure 11: The image shows the state of the retina from a previous examination, without blood, and the image sharp. The vitreous very transparent.

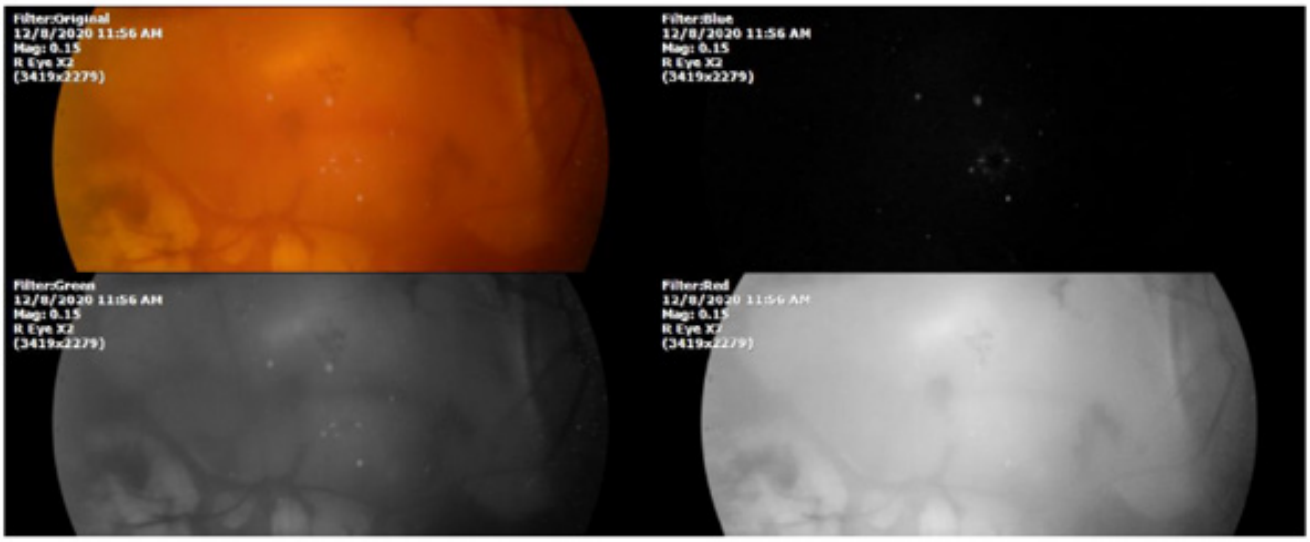

Figure 12: For comparison purposes, the recent examination shows a low-resolution image, which does not allow to observe the details, due to the presence of some blood in the vitreous body.

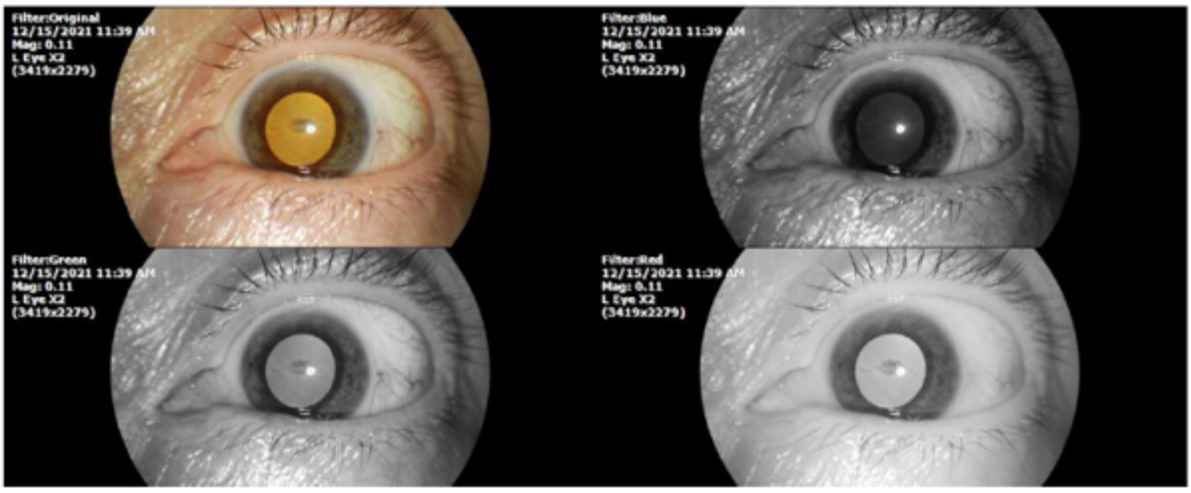

Figure 13: On the contrary, the mirror reflection image of the LE shows the usual brightness in this patient.

Figure 14: The photograph with slit lamp of the left eye, has a lens in good condition, without reddish coloration in the vitreous.

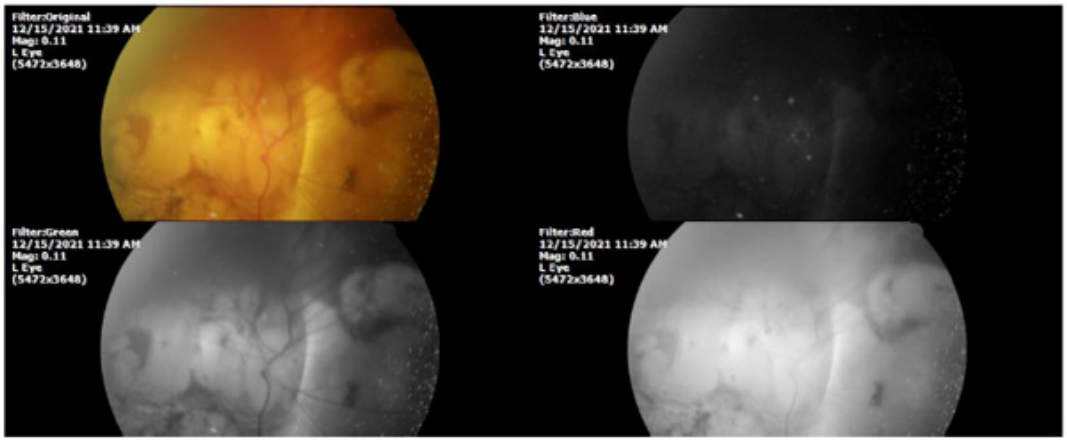

Figure 15: The fundus photograph of the left eye, messes the optic disc and the nasal region of the fundus. No bleeding oc**curred** in this eye.

Comment

When the balance between mass and energy (which is amazingly accurate) is disturbed, distressed by factors of diverse nature, for example environmental, strange proteins, rare compounds, etc., the functions of the body become disorganized, and strange things appear, for example: the blood coagulates abnormally, even though the blood has done its job millions of years, millions of times. every day, he knows how to do it perfectly and is not forgotten, but to function well, it requires the amazingly accurate balance between mass and energy, as it has been since the beginning of time.

Acknowledgement

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Conflict of Interest

None.

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