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Deepak Kumar Rajoria
Master in Optometry,
Research Scholar, Sunrise
University, Alwar, Rajasthan,
India

Dr. Kapil Dev
Associate Professor, Sunrise
University, Alwar, Rajasthan,
India

A short study on ocular pain and infection in human eyes after COVID-19 suffering

Deepak Kumar Rajoria and Dr. Kapil Dev

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Abstract

About 1 in 10 people develop eye symptoms, when they have a COVID-19 infection. Conjunctivitis (an eye infection) the most common eye problem that's caused by COVID 19. COVID 19 can also cause eye pain along with dryness of eye, redness, and blurred vision. Now, we all know very well COVID-19 affects Very important organs like the HART& LUNGS. We know that COVID-19 can also adverse effect in human eyes and visual system, this Study show that COVID can affect all visual system of the eye, first layer cornea end at the retina & optic nerve. Here's what we should know about how COVID infection can adverse impact your eye health.

Keywords: Ocular pain, infection in human eyes, COVID-19 suffering

Introduction

Some important symptoms scene in eyes postcode 19?

Human who suffering COVID-19 can develop many different symptoms in the eyes,

1. Eye pain.
2. Headache.
3. Lids swelling.
4. Photo phobia.
5. Vision loss.
6. Watering and yellow discharge.
7. Itching and irritation these symptoms is commonly one or both eyes.

COVID-19 coman cause an eye infection?

Yes. COVID19 can cause eye infections. Like many other viruses, COVID 19 can cause conjunctivitis, This happens when the virus infects the outer layer of the eye, called the conjunctiva. COVID 19 conjunctivitis is the most common eye problem the COVID-19 virus causes.

There's no medication that can cure COVID conjunctivitis. The infection will go away on its own over time. But Antibiotic eye drops can't cure COVID conjunctivitis.

Your healthcare provider might recommend some LUBRICATING EYE DROPS, which will help relief common eye symptoms. The drops will also keep your eyes moist& lubrication, which is important for the overall good condition of your eyes.

The most common eye problems in COVID-19?

About 1 in 10 people with COVID develop an eye-related symptom, like eye pain or redness. Most often, these symptoms are from COVID-19 conjunctivitis. But COVID can cause other eye conditions, too, including:

Dry eye symptoms COVID-19 can cause a condition called dry eye. COVID 19 can also make dry eye worse for people who already have this condition.

1. Corneal nerve damage

This can lead to blurred vision and eye pain. People with corneal nerve damage have an increased risk of eye infections and can get scars on their cornea.

2. Uveitis

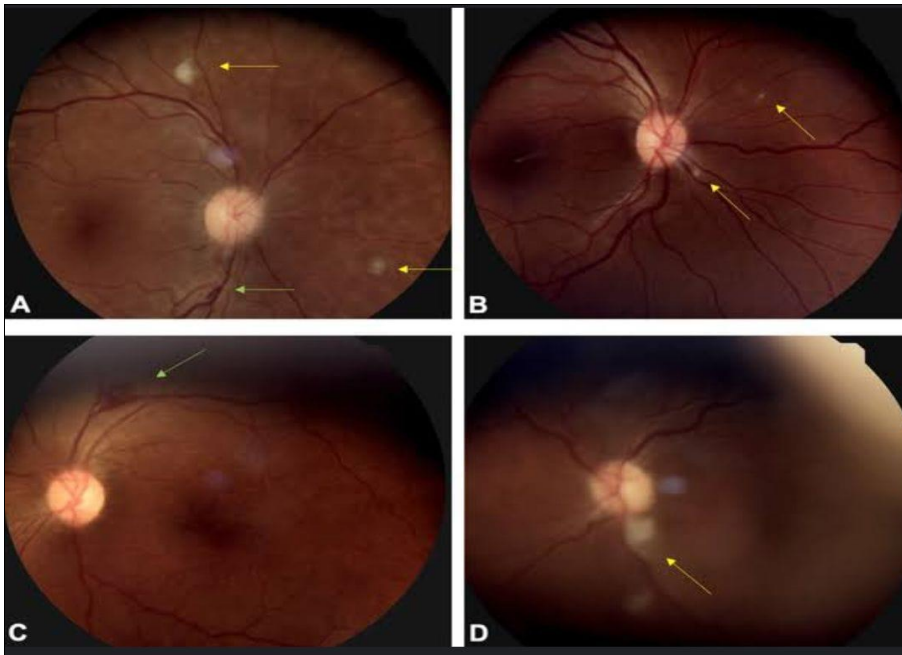
Uveitis is inflammation of the front part of the eye. People with uveitis experience eye redness, sensitivity to light, and eye pain. Uveitis can cause vision loss.

Corresponding Author:
Deepak Kumar Rajoria
Master in Optometry,
Research Scholar, Sunrise
University, Alwar, Rajasthan,
India

3. Retinal Changes

The retina is the back part of the eye that processes images.

COVID-19 can cause bleeding and inflammation in the retina. This can adverse effect your vision.



Common treatment of COVID-19 eye symptoms?

If you're experiencing eye symptoms during your COVID 19 suffering, there are some things you can do to relief your eye symptoms.

Cold compressions

WE can wash cloth under cold water and then lay it over your closed eyes for 5 to 10 minutes. This can help ease redness and itching, and cool compress can also help get rid of any crusting from eye discharge.

Warm compress

A warm compress can help your eye's oil glands open up, which can help lessen dry eye symptoms. You can buy a reusable warm pack that's made for use over the eyes, or make your own warm pack with a sock and dry white rice.

Lubricating eye drops

Artificial tears and saline eye rinses are available over the counter (OTC). They can help soothing eye itching and redness. Make sure you only use sterile saline to rinse your eyes. Never use tap water, which can lead to eye infections.

Also, not all eye drops are the same. Stick with ones labelled as "LUBRICATING EYE DROPS" Some eye drops are marketed for eye redness relief, but they may worsen dry eye symptoms.

Antibiotic eye drops and lubricating eye ointments

If you are experiencing dryness or eye itching, and use a lubricating eye ointment before going to bed in night. They're much sticker then artificial eye drops, so they will blur vision over blur vision because of this they should only be used at bed time. Lubricating eye ointment are available OTC. If your COVID 19 eye symptoms don't get better within 3 to 5 days, then you advise an ophthalmologist. If you need additional investigation or treatment to help your symptoms. If you were contact lens, then consult your eye specialist as soon as you develop any who wear contact lenses are at higher risk for developing severe eye infections that pose a risk to vision.

We prevent COVID-19 eye problems?

If you are recently been diagnosed with COVID 19 there are several thinks you can do to protect your eyes.

Avoid touching your eyes, as much as possible was your hand of turn with soap and fresh water.

If you wear contact lenses makes you are cleaning and storing your lenses properly.

Do not share your towels or other personal items that go near your face and eyes.

If you start to have new symptoms like blurry vision, redness or eye pain, immediate consults your ophthalmologist for complete eye examination.

In complete eye examination will allow the eye care professionals to give you a diagnosis and start appropriate treatment which can include prescription antibiotic eye drops and lubricating eye drops. Your eye care specialist recommends the eye drops or lubricating eye drops makes sure to use them as directed.

Antibiotic eye drops can help keep your eyes healthy and your vision safe.

Conclusion

COVID 19 can affect your eyes, in fact about 1 in 10 human develop an eye symptoms from COVID 19 like redness, itching, irritation or discharge, conjunctives and dryness in your eyes are the most common high problems that develop with COVID-19 infection if you are recently been diagnosed with COVID 19 and you develop watering, itching and irritation or blurry vision, make sure to consult. Eye specialist as soon as possible.

Conflict of Interest

Not available

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References

1. Bitirgen G, *et al.* Corneal confocal microscopy identifies corneal nerve fibre loss and increased dendritic cells in patients with long COVID. *Br J Ophthalmol*; c2021.
2. Nasiri N, *et al.* Ocular manifestations of COVID-19: A systematic review and meta-analysis. *J Ophthalmic Vis Res*; c2021.
3. Hunter PR, Hughes S, Woodhouse S, Nicholas R, Syed Q, Chalmers RM, Verlander NQ, Goodacre J. Health sequelae of human cryptosporidiosis in immunocompetent patients. *Clinical Infectious Diseases*. 2004 Aug 15;39(4):504-10.
4. Caillaud DM, Martin S, Segala C, Besancenot JP, Clot B, Thibaudon M. Nonlinear short-term effects of airborne Poaceae levels on hay fever symptoms. *Journal of allergy and clinical immunology*. 2012 Sep 1;130(3):812-4.
5. Leiby DA. Transfusion-transmitted *Babesia* spp.: bull's-eye on *Babesia microti*. *Clinical microbiology reviews*. 2011 Jan;24(1):14-28.

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