

## COVID-19 OCULAR ASSOCIATIONS IN THE SCIENTIFIC LITERATURE:

# SYNOPSIS 11

The COVID-19 pandemic began in December and has affected people in nearly every country in the world. We provide a summary of ocular-related associations with COVID-19 in the literature, and we plan to update this as we become aware of new manuscripts. Thus far, it appears that approximately 1-5% of COVID-19 patients experience conjunctivitis and very few COVID-19 patients exhibit virus in their tears.

**Zhou Y, Zeng Y, et al. Ophthalmologic evidence against the interpersonal transmission of 2019 novel coronavirus through conjunctiva. medRxiv**

- Retrospective cohort study
- 67 cases of confirmed (n=63) or suspected (n=4) COVID-19 pneumonia
- Nasopharyngeal and conjunctival swabs, followed by RT-PCR
- Only one positive and two probable positive PCR results from conjunctival swabs
- None of the three positive or probable conjunctival swab patients had ocular symptoms
- One patient with conjunctivitis as first symptom had negative conjunctival sample
- All conjunctival samples from suspected cases were negative
- Conclusion: "Through clinical analysis, viral transmission via the conjunctival route was not supported by the data."



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