

COVID-19 OCULAR ASSOCIATIONS IN THE SCIENTIFIC LITERATURE: SYNOPSIS 18

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, Duan C, et al. Ocular Findings and Proportion with Conjunctival SARS-CoV-2 in COVID-19 Patients. *Ophthalmol.* 2020

- Case series
- 121 confirmed COVID-19 patients with RT-PCR
- Conjunctival samples from affected eye if ocular symptoms or random eye if no symptoms
- 52.1% were mild or moderate, as opposed to severe or critical
- Median age was 48 years and 56% were female
- The average time since diagnosis was 15 days
- Eight patients had ocular symptoms; only one of them had positive conjunctival sample
- Two patients without ocular symptoms had positive conjunctival sample
- Overall, 2.5% with COVID-19 exhibited conjunctival samples that were (+) for SARS-CoV-2
- Overall, 70.2% with COVID-19 exhibited nasopharyngeal samples that were (+) for SARS-CoV-2
- Conclusion: “These findings may help to improve precaution practices during the COVID-19 pandemic.”



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