

The Complete Overview of Impact of COVID 19 Pandemic on Ophthalmic Diseases: A Review

RAFAT JAHAN SHAMSI¹, ABU RAIHAN SHAMS², MOHD AJMAL², PARWEZ ANIS³, and DR. NISHAT FATIMA²

¹Sanskriti University

²Integral University

³Jamia Hamdard Faculty of Pharmacy

March 20, 2023

Abstract

Introduction: Severe Acute Respiratory Syndrome SARS-Cov-2 coronavirus is a member of the coronavirus family. Fever, shortness of breath, and pneumonic infiltrates in both lungs were among the disease's clinical signs. Along with severe respiratory infections, Covid-19 may also encounter thrombosis complications, and other complications like coronary syndrome, myocardial dysfunction and arrhythmia, acute kidney injury, coronary syndrome, liver cell injury, gastrointestinal symptoms, hyperglycaemia, ocular symptoms, neurological diseases, and dermatological problems. The way in which ophthalmic services were provided changed significantly during this time. Many people, particularly those who suffer from dry eye, are spending a lot of time at home due to continuous spread of coronavirus disease (COVID-19) pandemic. The difficulty for regular follow-up meetings impacting the continuance of glaucoma therapy, cataract surgery, and other eye diseases had been considerably much worse by establishment of strict social distancing and restrictions in travelling during COVID 19 pandemic.

Methods: The PubMed, Google Scholar, ResearchGate and healthcare system evidences were searched from 2019 to 2022 for systemic review that were published in English language.

Results: Both ocular disease and the overall health care system have been impacted by the result of Covid 19 pandemic. Like other professions, ophthalmology profession has experienced varied degrees of pandemic impact. Ocular problems could develop as a direct result of the SARS infection. The most frequent ocular symptom is viral conjunctivitis, dry-eye problems. During lockdown, the overall symptoms of dry eyes were worse than those who were under normal circumstances.

Keywords: COVID-19, Dry-Eye Disease , Eye Diseases, SARS-CoV-2

Hosted file

The Complete Overview of Impact of COVID 19 Pandemic on Ophthalmic Diseases with Images reference in text is available at <https://authorea.com/users/588546/articles/625690-the-complete-overview-of-impact-of-covid-19-pandemic-on-ophthalmic-diseases-a-review>

Hosted file

Ophthalmology Review Article Figures.docx available at <https://authorea.com/users/588546/articles/625690-the-complete-overview-of-impact-of-covid-19-pandemic-on-ophthalmic-diseases-a-review>