

Ocular Manifestations of Recent Viral Pandemics: A Literature Review

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Abstract : Viral pandemics often take the world by storm, urging the medical community to prioritize the most evident systemic manifestations, often causing ocular manifestations to go unnoticed. This literature review aims to highlight the ocular complications of monkeypox, SARS-CoV-2, MERS, ebola, H1N1, and zika viruses as the most recent viral pandemics. Since the emergence of the newly resurfacing monkeypox and the novel SARS-CoV-2, research aiming to uncover the effects of these pandemics began right away. Moreover, it also discusses the ocular complications of the vaccines and treatments that were used in the scope of the viral pandemics. To add, this work discussed the role of the eye as an important route of viral transmission, and thereafter, the American Academy of Ophthalmology (AAO) recommendations to reduce the incidence of viral transmission were mentioned. Finally, this paper aims to outline a platform for researchers who are interested in further investigating eye-related viral manifestations.

Keywords : ophthalmology, monkeypox, ebola, zika, MERS, H1N1, influenza, COVID-19

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