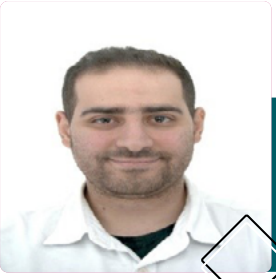

Mahmoud Eissa

Salisbury District Hospital, UK

## Title: Covid-19-Induced acute exudative polymorphous vitelliform maculopathy

Abstract:

Covid-19 was initially detected in late 2019. Since then a growing body of evidence has raised concerns about the ocular complications caused by SARS-CoV-2. The reported ocular manifestations associated with COVID-19 infections vary significantly, including dry eye, conjunctivitis, keratitis, episcleritis, and optic neuropathy. In the following case report we establish the possibility of Covid-19 to cause Acute exudative polymorphous vitelliform maculopathy. A 32-year-old woman presented with a history of visual disturbance a few days after she tested positive for COVID-19. Her visual acuity was 6/6 in both eyes at the initial presentation, Slit-lamp examination was unremarkable in both eyes. : Fundus examination showed bilateral multiple variable-sized posterior pole creamy subretinal yellowish lesions. our case demonstrate the triggering of AEVPM with multifocal subretinal vitelliform deposits shortly after COVID-19 infection. We postulate that this may have resulted from an immunologic mechanism affecting RPE cells, leading to the development of the pockets of subretinal fluid and vitelliform deposits. In the era of a global pandemic, AEPVM may occur in patients with COVID-19 infection.

### Biography

Mahmoud Eissa has completed his MBBS from Ain Shams university, Cairo, Egypt. He have always been euthanized about research and covid-19 emerged to the world at the beginning of my medical career which made it more interesting and challenging to understand. He have been working in the UK since 2022. He is currently working as clinical research fellow in ophthalmology. He have 3 publications all related to covid-19 and infectious disease with one presentation in Infectious disease conference.