

## Complicated Sinusitis with Sphenopalatine Artery Thrombosis in a Covid-19 Patient

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**Abstract :** The varied complications of COVID-19 present an ongoing challenge to healthcare professionals. A rare presentation of complicated sinusitis with pre-septal cellulitis and hard palatal necrosis in a COVID-19 patient, was reported. A 52-year-old male was admitted to the hospital with typical COVID manifestations where he had two successive COVID-19 positive swabs. During his admission, he developed symptoms of right orbital complications of sinusitis along with both clinical and radiological evidence of ipsilateral hard palatal necrosis. Imaging confirmed a diagnosis of right pan-sinusitis complicated with right pre-septal infection and hard palatal bony defect on the same side. Intra-operatively, the sphenopalatine artery was found to be thrombosed. This case focuses on the possible association between these manifestations and the known thromboembolic complications of COVID-19. Ongoing management of such complicated rare cases should be through a multidisciplinary team.

**Keywords :** COVID-19, sinusitis, sphenopalatine artery, thrombosis

**Conference Title :** ICCMCR 2021 : International Conference on Clinical and Medical Case Reports

**Conference Location :** Singapore, Singapore

**Conference Dates :** September 09-10, 2021