

## COVID-19 Vasculitis: A Case Report with Complicated Course

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### ABSTRACT

Coronavirus disease 2019 (COVID-19) is a viral infection caused by the Severe Acute Respiratory Syndrome coronavirus 2 (SARS-CoV-2), it spreads from person to person rapidly and presents with multi systemic manifestations namely respiratory symptoms, similar to prior SARS viruses. Neurologic manifestations of COVID-19 are uncommon; those include encephalopathy, strokes, and polyneuropathy. Here we report a unique neurologic complication of COVID-19 in a patient who had extensive cerebral small-vessel ischemic lesions resembling those of cerebral vasculitis. This case report supports the fact that neurologic complications from COVID-19 could be more debilitating than the respiratory illness itself, especially for those patients who were eventually able to survive the complicated course of being on mechanical ventilation but unfortunately end up with this extensive CNS insult.

**Keywords:** COVID-19, CNS, Vasculitis

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