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The Pathogenesis and Treatment of the `Cytokine Storm' in COVID-19

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Abstract

Cytokine storm is an excessive immune response to external stimuli. The pathogenesis of the cytokine storm is complex. The disease progresses rapidly, and the mortality is high. Certain evidence shows that, during the coronavirus disease 2019 (COVID-19) epidemic, the severe deterioration of some patients has been closely related to the cytokine storm in their bodies. This article reviews the occurrence mechanism and treatment strategies of the COVID-19 virus-induced inflammatory storm in attempt to provide valuable medication guidance for clinical treatment.

Keywords: 2019-nCoV; Coronavirus; Cytokine storm; Immunomodulation; SARS-CoV-2.

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