

COVID-19 治療進展

COVID-19 Treatment Progress

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COVID-19 was caused by a novel virus, SARS-CoV-2, and emerged since Dec., 2019. Till now, there are more than 250,000,000 cases and 5,000,000 deaths caused by COVID-19. Facing this emerging viral disease, thousands of studies were conducted to clarify the clinical manifestations, effective treatments, and vaccine development. From the viewpoint of pathogenesis, the clinical course of COVID-19 can be distinguished into two different stages: the first one “viral stage” and the second one “hyperinflammatory stage”. In the viral stage, viral attack plays the major role and therefore the antiviral agents are the major treatment modality. In the hyperinflammatory stage, overwhelm inflammation plays the major role and therefore the anti-inflammatory agents are the major treatment modality. The antiviral agents include remdesivir, monoclonal antibody, and convalescent plasma. The anti-inflammatory agents include steroids, interleukin-6 or interleukin-6 receptor inhibitors, and Janus kinase inhibitors. We will discuss the clinical effectiveness about the listed drugs according the presently available literature.