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COVID19, Renin-Angiotensin System and Endothelial Dysfunction

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Message from the Guest Editor

The newly emergent novel coronavirus disease 2019 (COVID-19) outbreak has posed a serious threat to global public health with major worldwide socio-economic disruption. Now, evidence strongly indicates that mortality with COVID19 is associated with pre-existing conditions such as cardiovascular diseases, diabetes, and hypertension. In light of this, a systematic examination of the molecular basis of SARS-CoV-2 infection, the role of the renin-angiotensin system, in particular, the role angiotensin-converting enzyme 2 (ACE2) and the role of endothelial dysfunction in COVID-19-associated mortality and vice-versa is urgently needed. Understanding the role of the cardiovascular system in SARS-CoV-2 infection is essential to provide medical care for COVID-19 patients with cardiovascular co-morbidity. Moreover, comprehensive knowledge is urgently needed for a mechanistic understanding of the disease and the development of potential therapeutic strategies against COVID-19.



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Special Issue



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