

# Cardiac Manifestation of the Patients with Novel Wuhan Coronavirus Infection: A Clinical Summary on Patients in the First Month of Outbreak

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Dear Editor,

In December 2019, a new emerging viral disease was firstly reported from Wuhan, China. The novel corona virus infection is a new febrile illness that is associated with pneumonia [1]. The disease has already been reported outside China mainland [2]. This new viral disease is the latest public health concern worldwide [1-2]. As a new emerging disease, limited knowledge of clinical aspect leads to difficulty in disease control and management. In clinical cardiology, it is questionable whether this new emerging disease has any cardiac problem. Indeed, a new corona virus infection might be associated with cardiac presentation (such as seen in Middle East Respiratory Syndrome (MERS) [3]). However, there is still no knowledge for the newest corona virus disease. Based on available data on 42 cases (until January 18, 2020), confirmed for infection during the first phase of disease emergence [1-2], there was no case with cardiac presentation. However, additional data from new report showed that some patients, about 12%, might have clinical feature of acute cardiac injury [4]. Nevertheless, no data is available on cardiac pathology and there is also no explanation on the pathophysiology. At present, there are insufficient references to support the statement of

cardiac manifestation associated with the new infection. The hypothesis that the new disease might have clinical association with cardiac problem might be raised. The observation on severe manifestation of the new corona virus infection in patients with underlying cardiac disease or cardiac related complications can be good supportive evidence. Based on the available data at present, cardiac problem is still not an important clinical problem among patients with novel Wuhan corona virus infection.

## CONFLICT OF INTEREST

The authors declare no conflict of interest.

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Declared none.

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