

Post COVID cardiovascular complications in corona patients

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BRIEF REPORT

The severe acute respiratory syndrome coronavirus 2 causes the coronavirus disease of 2019 (COVID-19) (SARS-CoV-2). Cardiovascular problems can arise in addition to systemic inflammation and pulmonary problems, which can cause considerable morbidity and mortality. With over a year of experience with the COVID-19 (SARS-CoV-2) virus, it has been discovered that certain COVID-19 (SARS-CoV-2) patients have had post-COVID symptoms after patients recover from the infection; they have chronic coughs, cognitive difficulties, and other complaints.

These long-haulers seemed to be suffering from heart problems as well. In 2021, one of the most important cardiology topics will undoubtedly be determining the long-term consequences of coronavirus. COVID patient cadaver studies also prompted concerns about long-term heart damage as it was discovered that COVID destroys cardiomyocytes. However, the question

has been raised as to what the long-term effects of this heart injury will be. A link between COVID-19 and cardiovascular illness has also been discovered in clinical investigations. Patients with COVID-19 appear to have worse results and a higher risk of death if they had pre-existing cardiovascular illness, despite the fact that COVID-19 can cause myocardial damage, arrhythmia, and acute coronary syndrome. Both directly and indirectly, COVID-19 harms the heart. Direct cardiac damage occurs when a virus infects heart cells, causing myocarditis (cell inflammation).

This inflammation can range from mild to severe, resulting in reduced heart function, irregular heart rhythms, and the risk of sudden cardiac death. To check for evidence of cardiac damage or malfunction, they have blood tests for cardiac biomarkers, an ECG, and an echocardiogram with strain studies. Many of these patients have experienced heart injury as a result of COVID-19 disease, according to this cardiac work-up. Even after testing negative for the virus, patients have underlying heart damage that is now causing symptoms.

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