



COVID - 19 infection: Angiotensin II has a major role in the mortality rate. Low dose of inhaled Nitric oxide may be the treatment

Iman Samy Elsaid Ali

National heart institute, Egypt

Abstract

viral effects on the various organs and tissues of the infected patients. The virus irreversible binding to the ACE2 in the target cell in the lungs is the first step of the viral deleterious pathway to invade the target tissues. As the virus replicates and its number increase, the ACE2 in lung type II alveolar cells become inactive. ACE2 is also located in the arterial and venous endothelial cells and arterial smooth muscle cells in most organs. ACE2 is the enzyme catalyzing the conversion of angiotensin II to angiotensin (1–7). The accumulated angiotensin II has a paracrine effect in the pulmonary system in increasing the mean pulmonary pressure and vasoconstriction affect the lungs. One of the suggested treatments is the use of low dose inhaled nitric oxide, which has minimal systemic effects.

Keywords: Angiotensin II, Potassium, angiotensin (1,7), nitric oxide, covid 19

Biography

Iman Samy Elsaid Ali was a cardiologist at National heart institute, Egypt. He has published many research articles and received many awards for his publications.



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