

Intensive Care Management of Patients with COVID-19

Wiber Lauren*

Department of Intensive care unit, Bilkent University, Ankara, Turkey

*Corresponding author: Wiber Lauren, Department of Intensive care unit, Bilkent University, Ankara, Turkey, Tel: +658935666; E-mail: WiberLauren@gmail.com

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Introduction

SARS-CoV-2, the motor agent of coronavirus illness 2019 (COVID19), is answerable for the most important pandemic facing humanity since the Spanish contagion pandemic within the early twentieth century. Since there's no specific antiviral treatment, optimized support is that the most relevant think about the patient's prognosis. Within the hospital setting, the identification of unsound patients for clinical deterioration is important to confirm access to intensive treatment of severe conditions in a very timely manner. The initial management of hypoxemia includes standard gas medical aid, high-flow nasal cannula gas, and non-invasive ventilation. For patients requiring invasive mechanical ventilation, lung-protective ventilation with low periodic event volumes and highland pressure is usually recommended vessel complications square measure frequent and embrace heart muscle injury thrombotic events, myocardial inflammation and shock.

Since 2019 once China reported a series of cases of acute metabolism failure caused by a replacement species of coronavirus, SARS-CoV-2 over fifty million new cases and virtually one 260,000 deaths are confirmed worldwide. In Brazil 5,664,115 cases were reported with 162,397 deaths from the illness by 2020. The on going coronavirus illness 2019 (COVID-2019) pandemic has sweptwing everywhere the globe, sitting an excellent pressure on important care resources thanks to sizable amount of patients needing important care. Statements from front-line consultants within the field of medical aid square measure desperately required.

The pathophysiology of COVID-19 is advanced, and also the illness could compromise respiratory organ, heart, brain, liver, kidney and of the natural action system. COVID-19 may end up in myocardial inflammation, heart condition, cavity arrhythmias, acute coronary syndrome and shock. Blood vessel and blood vessel thromboembolic events occur in 31-59% of hospitalized patients with COVID-19. The happening of novel coronavirus

respiratory disease that was 1st detected in Wuhan in Dec 2019 resulted in a very worldwide pandemic. On Feb 11, 2020 the globe Health Organization (WHO) formally named it coronavirus illness 2019 (COVID-19). An individual with laboratory confirmation of virus inflicting COVID-19 infection regardless of clinical signs and symptoms is taken into account as a confirmed case.

Authorities from the Chinese Center for illness management and bar reported that, among over forty four,000 confirmed cases of COVID-19, regarding eighty one were symptomless or given gentle symptoms like cough, fever, fatigue and pain. Though for these cases, home management and self-isolation square measure the acceptable measures 14 July developed a severe style of the illness and five-hitter were important requiring hospitalization and unit admission severally. Patients with the severe style of the illness should be closely monitored, since apace progression from moderate to severe respiratory disease could occur. Acute hypoxemic metabolism failure is that the most typical complication occurring in 60- 70% of patients admitted to the unit. Patients at high risk for respiratory disease development square measure those recenter than sixty five years old presenting high fever neutrophilia, blood disorder, elevated markers of internal organ and nephrosis aspartate aminopherase, aminoalkanoic acid aminopherase, creatinine, and urea, elevated acute- phase proteins as markers of inflammation high-sensitivity CRP, procalcitonin, and blood serum ferritin, and elevated natural action function-related indicators prothrombin time, fibrinogen, and D-dimer. The happening of novel coronavirus respiratory disease that was 1st detected in Wuhan in Dec 2019 resulted in a very worldwide pandemic. On Feb 11, 2020 the globe Health Organization (WHO) formally named it coronavirus illness 2019 (COVID-19). An individual with laboratory confirmation of virus inflicting COVID-19 infection regardless of clinical signs and symptoms is taken into account a confirmed case.