



A Clinician's Approach to Management of COVID-19 State-of-the-art Review

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Abstract:

COVID-19 Pandemic hit United States like a Tsunami and went from a few positive cases in March 2020 to thousands and eventually millions of positive cases over the past 6 months. With initial very few therapeutic options, gradually over the past 6 months the management of COVID-19 has improved and in this Community Hospital we have been able to achieve a Mortality rate of less than 1 percent Towards, the end of September 2020, there were a total of 1904 positive cases with 13 deaths (0.68%) This is a remarkable achievement for the Medical team at St. Agnes Hospital and I will go through the approach taken at this hospital. Patient are isolated in a negative flow room in the Emergency department and such rooms are available on a COVID specific medical floor and a 12 Bed ICU. Experienced Nursing staff and Respiratory therapists are available 24/7 along with a team of Hospitalists and Intensivists. Infectious disease support is available and Pharmacy is involved in therapeutic interventions. Proper PPE including mandatory surgical masks for all hospital staff with N95 masks and PAPRs reserved for those with close contact with COVID-19 patients. Along with these therapeutic interventions State-of-the-Art ICU care was provided with latest equipment for intubations, central line placement, Heated Humidified High Flow O₂, BiPAP, Mechanical ventilation with ARDS net protocol, Nitric oxide therapy to those with refractory hypoxemia along with therapeutic anticoagulation, infection control and aggressive surveillance and treatment of bacterial and fungal infections translated to excellent outcomes for our patients with Severe COVID-19 Infection. I believe that this experience and excellent outcomes can be reproduced worldwide if we work as a team and provide patients with well designed, properly equipped hospital wards and ICUs and a Collaborative evidence based protocolized approach.



Biography:

Dr. Muhammad Fuad Bangash completed his medical education at the age of 23 years from Khyber Medical University in Peshawar, Pakistan. He travelled to the United States to complete Residency in Internal Medicine at St. Joseph Hospital, affiliated with Northwestern University, Chicago. He went on to complete a Pulmonology and Critical care fellowship at the University of Wisconsin Hospital in Madison, Wisconsin. He is currently Pulmonary and Critical care physician at St. Agnes Hospital, Fond Du Lac, Wisconsin. He has been the medical director of intensive care units in different hospitals across the United States and is a Fellow of the American College of Chest Physicians.

Recent Publications:

1. COVID-19 pandemic: An intensivist's perspective
2. Echocardiography: An everyday tool in intensive care

International conference on Critical care and Emergency Medicine, December 14-15, 2020.

Citation: Muhammad Fuad Bangash, A Clinician's Approach to Management of COVID-19 State-of-the-art Review, International conference on Critical care and Emergency Medicine, December 14-15, 2020.