



CONVALESCENT PLASMA THERAPY AS A TREATMENT OPTION FOR COVID-19: A REVIEW

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AUTHORS' CONTRIBUTIONS

This work was carried out in collaboration among all authors. Author TD designed the study, performed the statistical analysis, wrote the protocol and wrote the first draft of the manuscript. Authors DM and SA managed the analyses of the study. Author SA managed the literature searches. All authors read and approved the final manuscript.

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ABSTRACT

Coronavirus disease 2019 (COVID-19), a pandemic caused by Extreme Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2), has spread across the world and has been one of the worst pandemics in human history. This pandemic causing virus has the most evidence of spread from human to human and can be easily segregated from respiratory secretions, faeces and fomites. There are currently no clear preventive drugs or antiviral agents approved for the novel 2019 coronavirus disease. There are still no proven options available for the treatment of patients with COVID-19 and the prophylaxis of individuals exposed to SARS-CoV-2. It is observed that antibodies accumulate in the blood plasma of a person who has recovered from COVID-19. When this blood plasma is injected into the blood of another patient infected by COVID-19, these antibodies are intended to assist that individual in battling the infection. That is why this research provides us with a sketch of the utility of convalescent plasma therapy as a possible and successful treatment for COVID-19.

Keywords: Convalescent; plasma; therapy; COVID-19; SARS-CoV-2; ARDS.

1. INTRODUCTION

Coronavirus 2 (SARS-CoV-2) is the causative agent of ongoing coronavirus disease 2019 (COVID-19),

which involves respiratory and pulmonary tract infections. It developed a global pandemic that was first experienced in China's Wuhan City in December 2019. Genetic sequencing of the SARS-CoV-2

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