



Role of Clinical Decision Support System in Identifying Women Health Issue After COVID Infection

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Like other pandemics with in ~four months after the first case reported as covid, World Health Organisation (WHO) declared COVID-19 as a pandemic in March 2020. As per the records reported by WHO, Women's health has suffered greatly because of this pandemic. The Covid-19 pandemic is putting a continuous pressure on healthcare systems around the world, with far-reaching health repercussions [1]. Women around the globe are still facing specific health risks and outcomes even after getting recovered from covid infections. Hence, considering the above said objective, the goal of this narrative review is to show how these disparities are amplified in the Covid-19 [2].

Objective

Based on clinical support system we can make use of new technology, such as Artificial Intelligence (AI), to combat and anticipate connected and new diseases.

Introduction

With the increase in age, women generally suffer from lot of health problems. Some of the common health problems they suffer are heart related problems, breast cancer, ovarian cancer, genetic diseases, pregnancy complications and mental health problems [2]. While coping up with these health problems the effect of covid and its transmittance towards other parts of body had made it worse. Though a greater number of males are affected by corona virus than women but the rate of mortality of women are more than men. According to early estimates, approximately 3.36 - 3.39

percent of all women infected with covid in India died, compared to 2.98 percent of all men [3], a study based on Covid-19 deaths in India until May 2021 (At the time of the study, India had over one lakh ten thousand cases with three thousand four hundred and thirty-three deaths and a causality rate of 3 percent). 3.2 percent of infected female in the 40-49 age bracket had died, compared to 2.00 percent of male. Only females between the age range 5 - 19 have perished [2,3].

The risk of women getting affected by these diseases are aggraving high after covid and it can be fatal. So, to tackle these kind of health problems, technology like Artificial Intelligence (AI) integrated with health informatics has been implied. AI is one of the finest technologies that can detect the conditions, identify high-risk patients, and aid in the infection's containment or disease instantaneously [3,6]. AI technology provide us with the hint regarding the mortality risk by over-viewing the patient's past health report. AI applications with health/biomedical informatics not only help us to fight this virus by screening their population, but also helps in diagnosing related medical conditions. It helps in suggesting the disease control and ending the next stage of infections as well [4,8]. This technology is capable in improving the planning and execution, treatment as well as providing us with proper report of the patients that are affected by some other type of ailments after covid [5]. There are different medical diagnosis tools that is founded on evidence highlights, how general practitioners can use AI and non-AI technologies to help in different medical diagnosis.

Main applications of AI in detecting diseases

- Early infection identification and diagnosis.
- Case and mortality projections.

Conclusion

Women suffering from diseases after covid 19 may be unquestionably benefited from artificial intelligence application used in different health informatic tools [7,8]. These type of tools suggests the early diagnosis on the basis of current symptoms and medications. It may also help in suggesting different early treatment options, useful in discovery and development of drugs. In upcoming years, the role of machine learning as an artificial intelligence tool is going to capture the whole clinical decision support system and health care industry for highly accurate diagnosis, which enable the individuals to take care for their health in different better ways [9,10].

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