

# Vaccine Generation on COVID 19

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## Abstract:

covid 19 , provisional name 2019 novel coronavirus a positive sense single stranded RNA virus it effects humans cells. Some theories suggest that sars-CoV-2 produces atleast three or more virulence factors that promotes shedding of new virions from host cells and inhibits immune response.

## Introduction

Human body has its own machinery for protection against viruses bacteria.

Human evolution from Australopithecus to Morden day human are immune to viruses and bacteria that are generally present in our environment like e.g. common cold, Body has generated its own immunity responses so that it quickly identify the viruses, This covid 19 virus is new to human hence body requires time to identify virus and the faster the body identifies virus faster antibodies are produced and a body eliminates the viruses.

The major work on this article is done from google and from the work of Edward Jenner (contributor to development of the smallpox vaccine.)

## Studies and Findings

As the body requires time to identify virus and to generate antibodies and some time before recovery of the person most of person usually dies due to Pneumonia

Some medicine should be given to decrease the mucus formation in lungs at large amount.

For fast recovery of a patient antiviral medicine must be given through nasal passages to give immediate effect on patients health.

To find vaccine for such viral disease the behaviour of virus must be observed on different cells the way it select the type of cell will help to identify the behaviour of virus.

To recover faster the person who has been treated from the viral disease can Donate blood to the person who is suffering from same virus as the blood of healed person may contains specialized white blood cells called b lymphocytes

secondly the blood may contain inactive virus which can be easily be identified by body of suffering individual.

The blood and mucus from the lungs must be observed to identify antibodies and ineffective virus strains

If the outermost protein or it's receptor if identified then the vaccine making will take less time.

Some precautions must be taken as the negative test of some patient becomes positive after some duration of time.

The detail study on virus and its vaccine can be done by analysing the virus behaviour on different types of human body cells it's behaviour and it's nature against white blood cells.

We can hope to develop vaccine as early as possible as virus is not changing its behaviour as recent studies suggest or mutating at low rate as patients are recovering.

Well more research must be done on different species and their behaviour against virus (covid-19).

## REFERENCES

<https://weareblood.org/donate-blood/types-of-donations/>

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