

**COVID 19 IS VIRAL
INFECTION OR
IMMUNOLOGICAL
DISORDER?**



What is the nature of Covid 19 infection?

- Most of results of clinical studies not correlated to the actual results of the same studies.
- Many complications or observations that not clearly understood ,explained by researchers by some (suggestions) or just assume some answers .
- These suggestions are not based on evidence based studies ,but only suggestions to solve mystery about some findings.
- Unfortunately after while these suggestions dealt with as it is the scientific fact or the suitable explanations to unsolved questions.
- In this study the first to estimate the fact about the nature of Covid 19 infection ,whether it is viral infection or immunological disorder.

Abstract

Most of doctors treating Covid 19 infection as it is sever viral infection causing many complications that may lead to the death of the patient.

But in this study we definitely determine by evidence based studies is it really viral infection or immunological disorder?

Covid 19 complications result from the viral attack itself and the virus directly cause these complications due to chemicals or actions from the virus itself ?

OR

The complications of Covid 19 infection is due to (reaction of the body and defense mechanism of the body against the virus.

Covid 19

Covid 19 is one of corona virus family (1) ▪

Corona viruses family known viral family since long time ago and (229E,

NL63, OC43, and HKU1) four specific types of this family

known to cause common cold infection (2) ▪

When these known four types of corona family respiratory viruses attack the body ,the ▪
these viruses will cause body reaction always was to fight these viruses by 5-6 defense
body immunity and

common cold infection that characterized by: ▪

a runny nose, nasal congestion, sneezing, sore throat, cough and headache, ▪

These complications are simply the result of (fight between virus and body defense ▪
mechanism)

This was the usual and normal body defense mechanism since long time ▪

But what happened with Covid 19?

The body defense mechanism against Covid 19 changed completely ▪
· than the usual

Instead of attacking the virus with 6-7 body defense weapons or ▪
means ,

In covid 19 infection the body attack the virus with (16-22) (5) ▪
body defense mechanism

(The body reaction against covid 19 was (cytokine storm) (6) ▪
The fight between this body defense weapons or cytokine ▪
storm and the virus will result in many complications

Symptoms of covid 19 infection

- 1) Fever or chills ▪
- 2) Cough ▪
- 3) Shortness of breath or difficulty breathing ▪
- 4) Fatigue ▪
- 5) Muscle or body aches ▪
- 6) Headache ▪
- 7) New loss of taste or smell ▪
- 8) Sore throat ▪
- 9) Congestion or runny nose ▪
- 10) Nausea or vomiting ▪
- 11) Diarrhea ▪

Covid 19 is immunological disorder

(**first evidence**) ▪

(immunity disorder)This simply show that main difference was body reaction ▪

(**second evidence**)

The most effective treatment was (corticosteroids) (8).

Which is mainly used to alter or substitute body immunity or to decrease inflammatory reaction of the body.(9) ▪

(**third evidence**) ▪

All medications used to attack virus itself ▪

(proved to be useless or of no value regarding complications) (10) ▪

(**fourth evidence**) ▪

The viral load was high in the beginning of infection while with patients admitted to hospital and developed more ▪
(serious complications) the viral load was much (lower) (11)

In The original Covid 19 there was very important observations

- (1) Old people estimated to be the group that with high risk and develop more and faster complications than others .(12)
- (2) (The children luckily showed no complications at all.(13) ▪
- (3) Inside same family there was too much variation in complications(for example wife may suffer a lot of complications even admitted to the hospital while the husband get better after few days of infection with minimal complications despite being infected with the (same virus)(14)

This is very strong evidence (fifth evidence)

The explanations for these observations assumed that:-

The old people suffer more due to their weak immunity ▪

The children did not suffer any complications due to their (strong !!!) ▪
Immunity

The difference between husband and wife reactions in the same family due ▪
to that the one with weaker immunity will suffer more.

All these explanations are not scientific and not based on any evidence but ▪
just suggestions and unfortunately these (suggestions) dealt with later as
scientific fact

Even if we agree with these suggestions , there are too much contradictions ▪
and mistakes as :-

The children have stronger immunity (which is against all known medical ▪
(books and ref) (15)

Explanations

If we agree that old people suffer more due to their weak immunity , ▪
this couldn't explain why the children with weak immunity like old
people did not suffer from any complications.

If we agree that children did not suffer any complications due to ▪
their strong !! immunity, this couldn't explain why the same children
showed complications after covid 19 infection next year or with
mutations.

This strongly estimate that this explanations regarding these ▪
observations faced a lot of contradictions and couldn't explain the
real etiology of these observations.

Our explanations for these observations as follow

Covid 19 is corona family member , previously for many years caused common cold infection when attacked the body.

The body acquired antibodies against these previous infections.(2) ▪

The older is the person the more liable to have more previous common cold infections caused by corona viruses , the more antibodies formed in his body.

more)This explains why old people showed more complications because they have ▪
(antibodies from previous infections) .(acquired immunity

While children didn't suffer from any complications with the original covid 19 they have corona viruses due)no or least antibodies from no or very little previous infections by .
(to their small age

In the same time this explains why the same children next year or with Covid 19 mutations started to show some symptoms and complications as they acquired antibody from their previous infection with the original Covid 19 .

Our Explanations

Explanations for variations in symptoms between husband and wife in the same family is also attributed to that one of them subjected more to previous corona virus infection in the last years that caused common cold infections.

The one of them with more antibodies from previous infections will show more symptoms or complications.