

The

# “Double Mutant” Corona Virus

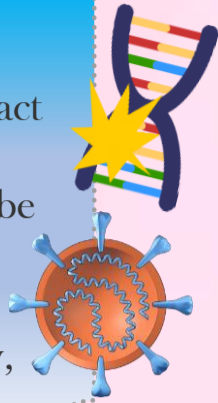
Risks and Prevention



## What is Mutation?

**Mutation** is the *property of a virus to undergo changes when it multiplies.*

- As it replicates, it may not produce exact replicas of itself, resulting in the emergence of new strains, which may be more or at times less effective.
- Some strains die out, while the more effective ones, which spread efficiently, survive.



## Why does a Virus Change?

What causes a virus to change?

## Novel Corona Virus Strains around the World

**501Y.V2**

South African Variant

**B.1.1.7**

The 'UK' Variant



**D614G**

Early China Variant



**P.1**

The Brazilian Variant



## What is “Double Mutation” and the new “Double Mutant” Corona Virus?

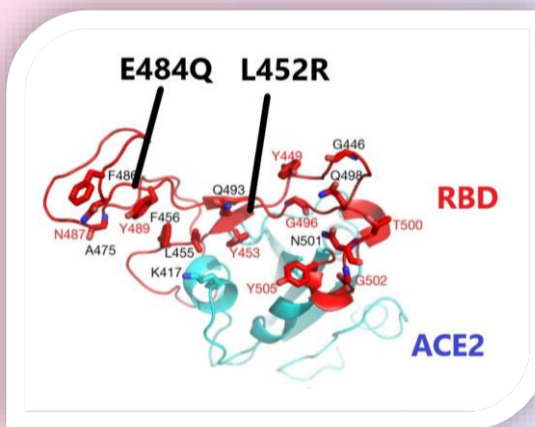
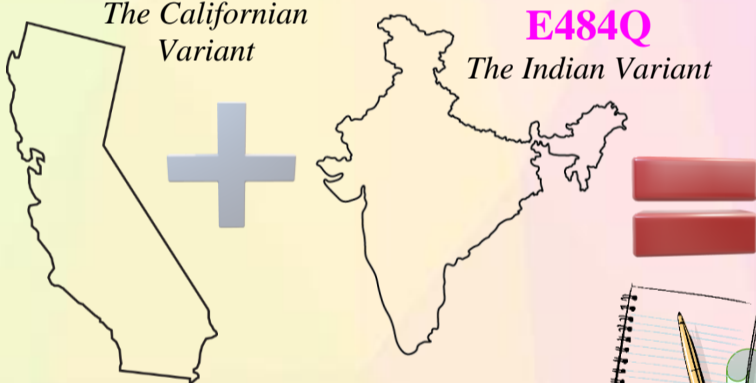
“**Double Mutation**” in the Novel Corona Virus is **two mutations** of the SARS-CoV-2 **coming together** to form a brand-**new mutation**.

**L452R**

The Californian Variant

**E484Q**

The Indian Variant



**B.1.617**

The new Indian “**Double Mutant**” Variant

- Discovered for the first time in **Nagpur, Maharashtra.**
- Prevalent today in **Maharashtra, Delhi, Telangana, Tamil Nadu, Punjab.**

## Why is it a matter of concern?

The new variant:

- **is more efficient.**
- **can possibly evade antibodies.**
- **may be more transmissible.**
- **can confer immunity escape and increase infectivity.**

## BUT WE CAN FIGHT IT TOGETHER!!

We need to stop the spread

To stop stronger variants from emerging we need to work together globally.

**Wear a Mask!**



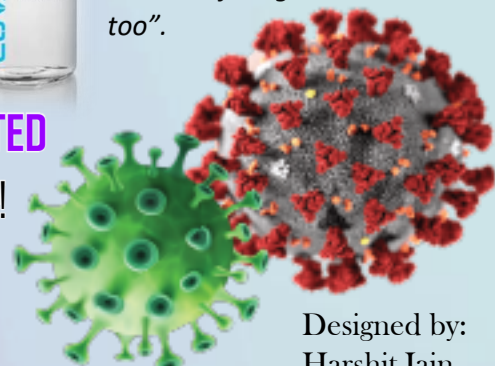
**Handwash** regularly & Use **Sanitizer.**

Maintain **Proper Social Distancing.**



Get **VACCINATED** once available!

As of now, scientists say, “the vaccines available in India will be effective against this new variant”. But “we must welcome foreign vaccines too”.



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