

WHY ITS BETTER TO GIVE A GAP AFTER COVID RECOVERY AND VACCINATION AND WHAT HAPPENS IF ITS GIVEN WITHOUT KNOWING COVID STATUS

What are the 5 types of hypersensitivity?

- **Type I: Immediate Hypersensitivity** (Anaphylactic Reaction)
- **Type II: Cytotoxic Reaction** (Antibody-dependent)
- **Type III: Immune Complex Reaction.**
- **Type IV: Cell-Mediated (Delayed Hypersensitivity)**

Type –V

This is an additional **type** that is sometimes used as a distinction from **Type 2 reaction**.

These **reactions** occur when IgG class antibodies (from 2 different sources) directed towards cell surface antigens have a stimulating effect on their target.

What is Type V hypersensitivity?

Type V hypersensitivity is the final type of hypersensitivity in which antibodies are produced with the property of stimulating specific cell targets. The clearest example is Graves' disease caused by antibodies that stimulate the thyroid-stimulating hormone receptor, leading to over activity of the thyroid gland.

Hence Type 5 – Is a Stimulatory reaction due to overlapping of natural (post Covid) and Artificial immunity (vaccination).

This may lead to hypersensitivity reactions (almost like Type 2) but even worse is it can affect multi organ system especially Autonomic (Bradycardia, BP drop) as well as Renal shut down.

Steroids are the mainstay of treatment though at times its life threatening in spite of treatment.

When should COVID-19 recovered patient get vaccinated?

After seeing a great surge in COVID-19 cases, the government has allowed all people aged above 18 to get vaccinated as it can minimise the spread of virus, mortality and severity. Also, it can reduce the time taken for recovery. However, it is very important to know when should a COVID-19 recovered patient should get vaccinated. As per studies, a recovered patient should take the jab after 2-8 weeks of recovery. **This is because our natural immunity gets hampered after testing positive and natural immunity is better than vaccine-generated immunity to fight the virus.**

According to anecdotal evidence, a person with COVID-19 gets natural immunity that lasts for around 90-180 days. Also, natural immunity can differ as per the severity of infection. So it is best to get vaccinated 2-8 weeks post the infection, that is, after recovery and isolation period.

What will happen if got vaccinated immediately after recovery?

As per reports, there is no such evidence or study based on what will happen if taken the jab immediately after recovery. However, as per doctors, to fight the virus, it is important for a person to have natural immunity as it is strong and is better than vaccine generated immunity that can last longer.

If simultaneously two types of immunity(antibodies) are in body, there is a risk of cross reaction and hypersensitivity-TypeV