

THE HEART OF SAN DIEGO | CARING FOR ONE HEART AT A TIME



COVID-19 Vaccine Cheat Sheet

The FDA has granted an Emergency Use Authorization (EUA), to prevent COVID-19 to two vaccines.

Similarities

- Both are mRNA based vaccines. The mRNA is delivered in a fatty particle. It has the instructions on how to make the COVID-19 spike protein. This will allow the body to make antibodies to bind the virus, preventing it from entering and harming the body cells.
- The vaccines do not use inactivated virus, attenuated virus, or any other kind of virus.
- Both are safe and effective, and were studied in clinical trials in large number of patients.
- Both can cause an immune response, causing fevers, aches, body pains, nausea, headaches, side effects are worse after the second dose.
- Both require two dose.

Differences:

	
<p>Age: Authorized for age > 16 years</p> <p>Clinical Trial Data:</p> <ul style="list-style-type: none"> • Enrolled > 43,000 patients • 95% Efficacy (95% CI 90.3-97.6) • Efficacy is similar across all ages and race groups. <p>Side Effects: (% of people having side effects)</p> <ul style="list-style-type: none"> • Injection site pain 84%, Fatigue 63%, Headaches 55%, muscle aches 38%, Chills 32%, Fevers 14% <p>Rare Side Effects</p> <ul style="list-style-type: none"> • Bells Palsy: 4 cases • Severe Allergy (anaphylaxis) Not seen during trial <p>Storage:</p> <ul style="list-style-type: none"> • Needs specialized freezers requiring between -80°C and -60°C <p>Dosing: Requires 2 doses (Day 1 and Day 21)</p>	<p>Age: Authorized for age > 18 years</p> <p>Clinical Trial Data:</p> <ul style="list-style-type: none"> • Enrolled > 28,000 patients • 94% Efficacy (95% CI 89.3- 96.8) • Ages > 65years efficacy is 86.4% (more data coming) <p>Side Effects: (% of people having side effects)</p> <ul style="list-style-type: none"> • Injection site pain 92%, Fatigue 70%, Headaches 65%, muscle aches 61%, Chills 45%, Fevers 15% <p>Rare Side Effects</p> <ul style="list-style-type: none"> • Bells Palsy: 3 cases • Severe Allergy (anaphylaxis) Not seen during trial <p>Storage:</p> <ul style="list-style-type: none"> • Can be stored in may be stored in a freezer between -25°C and -15°C <p>Dosing: Requires 2 doses (Day 1 and Day 28)</p>

Other Comments:

Long Term Side Effects: To date, there are no serious, long-term side effects associated noted in both vaccines.

Pregnant Women: Both vaccines have not been studied in pregnant women: Animal studies did not indicate any harm to fetus.

Anaphylaxis: Patients with history of anaphylaxis to vaccines and drugs are at risk and should avoid. People with other allergies, can get vaccine and observed for 30 minutes.

Durability of Protection: It is unknown about how long will the vaccine provide protection. Consensus is at least 6 months to 1 year.

Vaccination after COVID-19 Infection: There is a risk of reinfection, vaccine can be administered usually after two weeks of recovering from COVID-19 infection.

*The information above is intended purely as a guide and does not replace clinical judgment. COVID-19 is an emerging disease and latest vaccination data published may differ from the above information.



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