

Vaccines among patients who take Anti-Tumor necrosis factor

INACTIVATED VACCINES (Given with Rituximab & Anti TNF ✓)	LIVE ATTENUATED VACCINES (NOT Given with Rituximab & Anti TNF ✗)
Verorab (Rabies®)	Yellow Fever Vaccine (Stamaril®)
Influenza Vaccine (Vaxigrip®, Fluarix®)	Measles, Mumps, Rubella (Priorix®)
Tetanus Toxoid (Tetavax®)	Typhoid Fever (Typherix®, Typhim®)
Pneumococcus Conjugated Vaccine (Pneumo®, Prevnar 13®)	Chickenpox (varicella) (Varilix®)
DTaP, Hepatitis B, IPV (Infarix penta®, Tetraxim®, Dultavax®)	Rotavirus (Rotateq®, Rotarix®)
DTaP, HepB, polio, H. flu (Infarix hexa®)	Tuberculosis (BCG®)
Human Papilloma virus type 6, 11, 16, 18 (Gardasil®)	---
Diphtheria, Tetanus, Pertussis (Infanrix®, Pentaxim®)	---
DTaP, Hepatitis B (Tritanrix HB®)	---
Hepatitis A (Havrix®)	---
Hemophilus influenza type b (Hiberix®)	---
Hepatitis B (Engerix®, Euvax B®)	---
Meningitis (MeNcevac®)	---

- ✓ Patients who receive immunosuppressive drugs should NOT receive live vaccines.
- ✓ Killed Vaccines use is appropriate for RA patients whose disease & anti-Rheumatic drug treatment put them at higher risk for infection.
- ✓ CDC recommends that these patients should take influenza & pneumococcal vaccines.

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****Interaction between Rituximab & Anti TNF with INACTIVATED vaccines:**

Category: C- Monitor therapy.

Immunosuppressants may diminish the therapeutic effect of inactivated vaccines.

****Interaction between Rituximab & Anti TNF with LIVE vaccines:**

Category: X- Avoid Combination.

Immunosuppressants may enhance the adverse/toxic effect of live vaccines.

References:

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