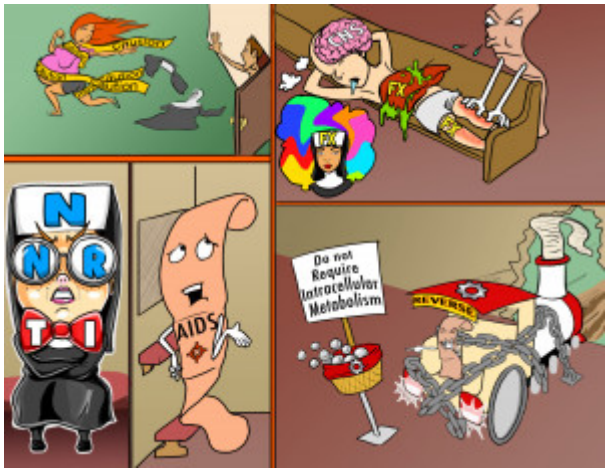
NNRTIs (Non-nucleoside Reverse Transcriptase Inhibitors)

NNRTIs are a class of medication designed to bind to reverse transcriptase to inhibit viral DNA elongation. These medications are often combined with other therapies to treat HIV and are different from NRTIs because they don't require intracellular metabolism. Side effects of NNRTIs are hepatotoxicity, vivid dreams, and CNS effects. These medications shouldn't be used in pregnant women.



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Indications

HIV
AIDS Band-aid
These medications are used to treat HIV and AIDS.

Mechanism

Do Not Require Intracellular Metabolism
Does Not Require Intracellular Metal-balls
These medications are different from NRTIs, as they do not require intracellular metabolism or phosphorylation "activation" to work against HIV.

Inhibits Reverse Transcriptase
Inhibiting-chains on Reverse Train-script
These drugs work by binding to reverse transcriptase (at a different site from NRTIs), preventing viral DNA from being transcripted.

Side Effects

Rash
Rash
Patients taking NNRTIs can often complain about developing rashes. This side effect mainly occurs in female patients.

Hepatotoxicity
Liver with Toxic-green-glow
Hepatotoxicity is a common side effect of NNRTI drug therapy, and patients should have their liver function monitored.

Vivid Dreams and CNS Symptoms
Vivid-colors Dream from CNS-brain
Patients taking these medications have complained of vivid dreams and CNS symptoms (dizziness, confusion). The NNRTI medication efavirenz is known to cause these effects.

Contraindication

Pregnancy
Pregnant-woman with Caution-tape
NNRTI medications, most notably delavirdine and efavirenz, are contraindicated in pregnancy and can lead to teratogenic effects.

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