

Intranasal Midazolam (Versed) Prefilled Syringes

What is midazolam?

Midazolam [meh-DAZ-uh-lam], also known as Versed [ver-sed], is a medication that is used to treat certain types of seizures. A syringe is used to spray a fine mist of medication up the patient's nose. The medication is used to help control cluster and prolonged seizures. Prolonged seizures are those that last for more than 3 to 5 minutes. Cluster seizures happen in groups, one right after the other.

How do I use the prefilled syringes?

See the detailed instructions on [page 2](#). If you have additional questions on how to give the medication, ask the pharmacist.

What are the side effects?

Common side effects of the medication include:

- Sedation
- Drowsiness
- Dizziness
- Nasal irritation
- Headache
- Nausea
- Vomiting
- Agitation

When should I get help?

Call 911 right away if the patient has any of the following symptoms:

- Difficulty breathing (slow, shallow breaths)
- Skin color becomes gray or blue
- Rash, hives, wheezing, or other signs of an allergic reaction

Ask your doctor for instructions on when the medication should be used.

My doctor recommends giving the medication if:

How do I store the medication?

To safely store the prefilled syringes and protect the medication, it is important to:

- Store the medication at room temperature (77°F or 25°C).
- Keep the medication in the provided brown bag. The bag will help to protect it from light and heat.
- Store the medication out of reach of children. Make sure to keep it in a location they can't easily get to.
- Do not use the prefilled syringes after the expiration date on the label.
- Throw away the empty syringes and the MAD (mucosal atomization device) after each use.

Instructions for giving midazolam

Midazolam comes in prefilled syringes. The prefilled syringes are part of a kit that requires only a few steps to get ready. The kit includes:

- **2 prefilled midazolam syringes** (1 syringe for each nostril)
- **1 mucosal atomization device (MAD)** that changes the liquid midazolam in the syringe into a fine spray that is quickly absorbed through the nose
- **1 light-protective brown bag** for storage

To prepare the medication:

- Remove the prefilled syringes and MAD from the light-protective brown bag.
- Remove the MAD from its packaging.
- Pull the cap off one of the prefilled syringes and attach the MAD to it by twisting in a clockwise direction (see the picture to the right).

Follow these steps to give the medication:

- 1 Lie the patient on a flat surface.
- 2 If the patient has a runny nose, be sure to dry the nose before giving the medication.
- 3 Hold the patient's head steady with your free hand and place the MAD against the nostril. The tip will be just inside the nose.
- 4 Aim the syringe up and out towards the top of the patient's ear (see the picture to the right).
- 5 Firmly press the syringe plunger to give all the medication from the syringe into the nostril.
- 6 Repeat steps 1 through 5 to give the medication in the other nostril. Remember to:
 - Remove the MAD from the used syringe.
 - Pull the cap off the second prefilled syringe and attach the MAD to it. You will be using the same MAD on both syringes.
- 7 Watch the patient after you give the medication. Write down how long their seizure continues after the medication was given.
- 8 Follow the patient's seizure action plan.

