

Intranasal Midazolam Prefilled Syringes

What is midazolam?

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

How do I use the prefilled syringes?

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

What are the side effects?

Common side effects of the medicine include:

- Sleepiness
- Headache
- Nasal irritation
- Throat irritation
- Runny nose

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

Special instructions from my doctor

See the instructions for giving midazolam on the next page.

How do I store intranasal midazolam?

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

- Store the medicine at room temperature, around 77°F (25°C).
- Keep the medicine in the provided brown bag to protect it from light and heat.
- Store the medicine 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:

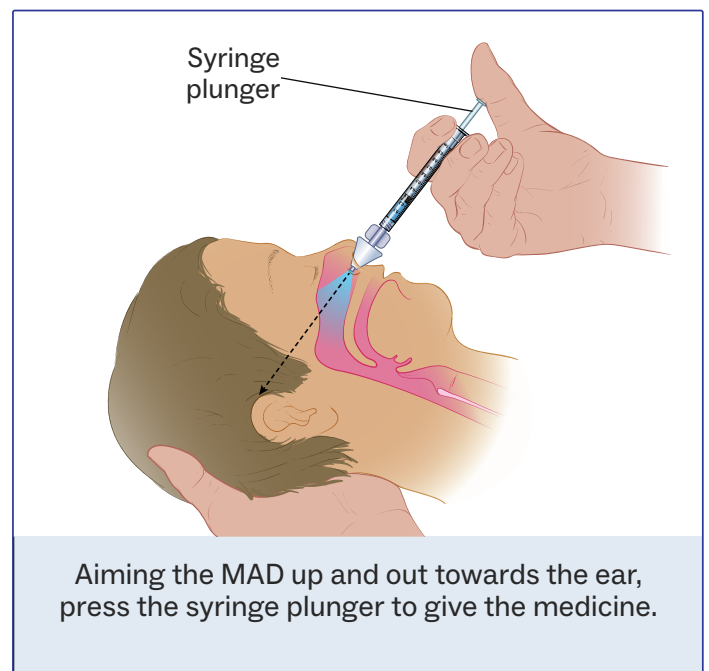
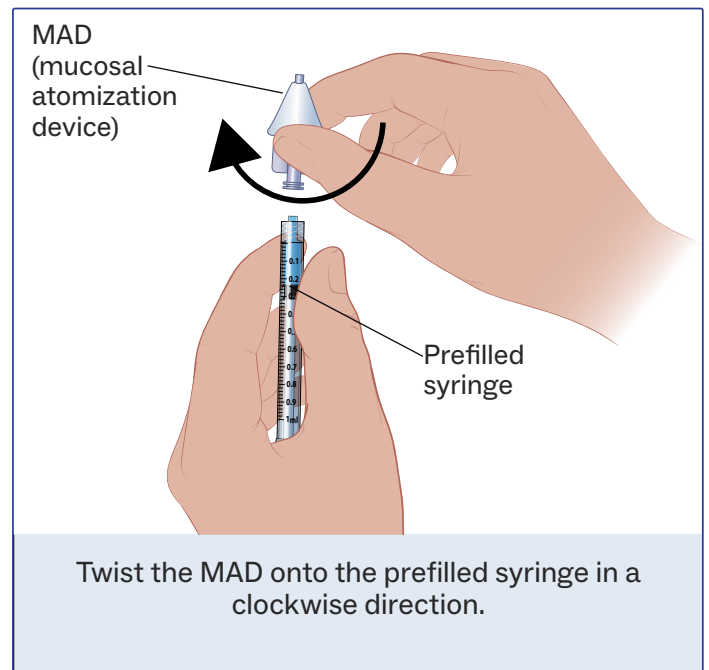
- **2 prefilled midazolam syringes** (1 syringe for each nostril)
- **1 mucosal atomization device (MAD)** that changes the liquid midazolam in the syringe into a fine spray that is quickly absorbed through the nose
- **1 light-protective brown bag** for storage

To prepare the medicine:

- 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 medicine:

- 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 medicine.
- 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 medicine from the syringe into the nostril.
- 6 Repeat steps 1 through 5 to give the medicine 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 medicine. Write down how long their seizure continues after the medicine was given.
- 8 Follow the patient's seizure action plan.



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