

# Intranasal midazolam (Versed)

## What is midazolam?

Midazolam is an emergency medicine used to stop seizures. It is also called a seizure rescue medicine.

## What is intranasal midazolam (Versed)?

Intranasal midazolam (Versed):

- Is a fast way to give midazolam to a child who cannot swallow.
- Is given into the nose using a syringe and MAD (mucosal atomization device) tip.

## When does my child need it?

Use the medicine only as advised by your child's doctor. Your child may need it for:

- Seizures lasting 5 minutes or longer.
- Seizure clusters. This is when someone has 3 or more seizures in 1 hour.

It should NOT be used as a maintenance medicine to prevent seizures.

## What dose does my child need?

- The doctor will prescribe the medicine strength that is best for your child based on their weight. Ask the doctor or pharmacist what dose to give.
- Sometimes 1 dose is not enough. **Only give a second dose if a doctor tells you to.**
- You will use a MAD nasal tip. It allows you to spray the medicine into the nose.

## How do I prepare and give the dose?

1. Gather your supplies:

- 3 mL (milliliter) syringe
- Needle
- Midazolam vial
- MAD nasal tip



2. Remove cap from medicine vial.

3. Place needle on syringe. Remove cap from needle.



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4. Put needle into top of vial.



5. Turn vial upside down. Pull back slowly on plunger. Fill syringe with amount of medicine needed.



6. Remove syringe. Carefully place cap on needle. Remove needle from syringe.



7. Attach MAD nasal tip to syringe.



8. Hold syringe between your first 2 fingers. Rest your thumb on the plunger end of the syringe.



9. Place MAD nasal tip in 1 nostril. Press plunger.

- **Only give half** the amount of medicine in the syringe.  
Ensure to push with force to allow liquid medicine to become spray.



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10. Place MAD nasal tip in the other nostril.

Press plunger.

- **Give other half** of medicine in the syringe.



11. Watch your child closely and help them as needed.

12. Write down what time you gave the medicine.



## What should I expect after giving it?

Talk with your child's doctor about:

- When to expect the seizure or seizure clusters to stop.
- What to do if seizures do not stop within 5 to 10 minutes of giving intranasal midazolam (Versed).  
Your doctor may tell you to give a second dose.

If seizures stop after the first dose:

- Keep your child on their side and watch them closely.
- Get medical care right away.

## What are some possible side effects?

Your child may have 1 or more of these:

- Feel sleepy or lightheaded
- Headache
- Nasal discomfort
- Cough or sneeze
- Bitter taste in the mouth

## When should I call the doctor?

Call the doctor if you have questions or concerns about how your child looks or feels.

## When should I call 911?

Call 911 **right away** if your child has:

- Shallow or slowed breathing, or if breathing stops.
- Extreme sleepiness.

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- A blue or dark purple color to the nails, lips or gums.
- Seizure clusters that are different than other seizure clusters your child has had.
- Seizures that worry you. You may have concerns about how often the seizures happen, how severe the seizure is, or how long the seizure lasts.

Also call if you have to give a second dose of intranasal midazolam (Versed).

## Where do I get the medicine and MAD nasal tip?

Your child's doctor will give you a prescription to your local pharmacy for:

- Midazolam 5 mg/mL vial. Your pharmacist may need to order this medicine as they often do not have it.
- MAD nasal tip.
- Needle.
- Syringe.

## How do I care for the MAD nasal tip and supplies?

When your child is OK, clean the MAD nasal tip so you can reuse it. Clean it with hot, soapy water. Rinse it well. Let it dry before putting it away.

Put used medicine vials, needles and syringes into an FDA-cleared sharps container.

- If you cannot find one, use an empty household container (such as a laundry detergent container) that:
  - Is made of heavy-duty plastic.
  - Stays upright.
  - Has a tight-fitting lid that cannot be punctured (needles or glass cannot break or put holes in it).
  - Does not leak.
- Close the lid and tape it shut. Label the container "Do Not Recycle" and place it in the trash.

## What else do I need to know?

- Keep all medicines where children and pets cannot get to them.
- Make sure the medicine does not expire and the package does not get damaged.
- Do not remove the medicine from its package until you are ready to give it.

**This teaching sheet contains general information only. Talk with your child's doctor or a member of your child's healthcare team about specific care of your child.**

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