



What is Oral Vigabatrin (Powder to Solution) for Infantile Spasms?

My child's name: _____

My child's vigabatrin dosing plan:

Dates:	How much?	How often?
	_____ mg (_____ mL)	twice daily
	_____ mg (_____ mL)	twice daily
	_____ mg (_____ mL)	twice daily
	_____ mg (_____ mL)	twice daily
	_____ mg (_____ mL)	twice daily

What is vigabatrin therapy for infantile spasms?

Your child will be starting vigabatrin therapy. This medicine will be given by mouth. The purpose of this medication is to reduce infantile spasms.

Infantile spasms (IS) is a type of epilepsy that usually occurs in babies and is often associated with development problems. A **spasm** is a type of seizure caused by a brief disruption of electrical activity in the brain. **Epilepsy** is a brain disease that causes people to have recurrent seizures. Most often, infantile spasms happen in children 3 months to 2 years old. When infantile spasms happen, your child's whole body may jerk or move in a way that makes it look like they have been startled.

What are the side effects?

There is a risk of permanent vision loss with vigabatrin therapy. The risk of vision loss may be higher for people who take a bigger dose of medication or who need to take the medication for a longer period of time. Your child should

have regular vision exams by an eye doctor (pediatric ophthalmologist) while taking this medication.

How do I give vigabatrin?

Vigabatrin comes in a foil packet. Each packet has 500 mg of vigabatrin. You must mix vigabatrin with water. The water can be cold or room temperature. Give the vigabatrin right after mixing. Be sure to travel with your medicine.

Dose amount:	Number of packets	Total mL of water required for dissolving
0 to 500	1 Packet	10 mL
501 to 1000	2 Packets	20 mL
1001 to 1500	3 Packets	30 mL

What supplies do I need?

For one dose of vigabatrin you will need the following:

- The number of packets you will need to make up a single dose of vigabatrin (each packet has 500mg).
- 1 clean cup for mixing
- 1 clean cup for water
- Water to mix with the vigabatrin
- Two oral syringes
- One 3 mL syringe (small syringe)
- One 10 mL syringe (large syringe)
- A spoon for stirring
- Scissors to open the foil packet

How do I mix the vigabatrin?

1. Start with 1 empty cup and get the total number of packets you need for your child's vigabatrin dose. Each packet has 500mg. For example, if your child's dose is 1000mg, you need 2 packets. If your child's dose is greater than 1000mg, you need 3 packets.

2. Tap the foil packet so the powder settles to the bottom of the packet before you open it.
3. Use scissors to cut along the dotted line and open the packet.
4. Empty **all** of the powder in the packet into one of the clean, empty cups.
5. Repeat steps 1-4 to open all of the packets you need for one dose of vigabatrin.
6. Take the second cup and fill it half way with water.
7. Get the **large** (10 mL) oral syringe and determine how much water you need to mix with the powder vigabatrin.
 - 10 mL of water is needed for **each** vigabatrin packet. For example: 2 packets of vigabatrin require 20 mL of water

8. Put the tip of the syringe all the way into the water cup. Pull the plunger towards you until the black ring of the white plunger is at the 10 mL line on the barrel of the syringe.

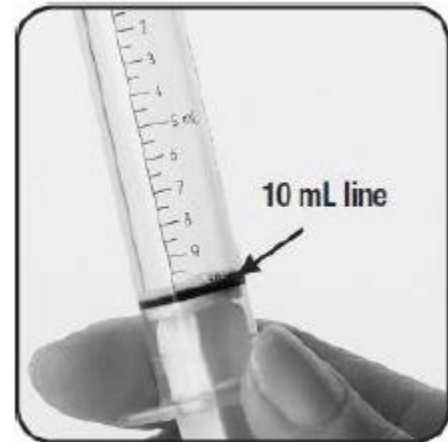


- Small air bubbles are normal. If you see large bubbles of air in the oral syringe after drawing up the water, turn the syringe so the tip is pointing upwards.



This will move the air to the top of the syringe. Pull the plunger back towards you and then push up gently to remove the air bubbles.

- Check to see that you have drawn up 10 mL of water.



9. Get the cup that contains the vigabatrin powder.

10. Hold the syringe with the water with the tip pointing down over the vigabatrin powder.

11. Slowly push the plunger all the way down to empty the water from the oral syringe straight into the cup of vigabatrin powder.



12. Stir the mixture with a spoon or other clean utensil until the solution is clear.

- When clear and all powder is dissolved the medication is ready to use.

13. Use an oral syringe to draw up milliliters of vigabatrin needed for the dose.

- If giving 3 mL (150mg) or less, use the **small** syringe (3 mL).
- If giving more than 3 mL, use the **large** syringe (10 mL).

14. Put the tip of the oral syringe into the mixture. Pull the plunger up to draw up the mixture. Stop when the black ring lines up with the number of mL you will need for the dose.

- Small air bubbles are normal. If you see large bubbles of air in the oral syringe after drawing up the medication, turn the syringe so the tip is pointing upwards. This will move the air to the top of the syringe. Pull the plunger back towards you and then push up gently to remove the air bubbles.

15. Place the tip of the oral syringe into your child's mouth and point the oral syringe towards either cheek.

- Vigabatrin may be given via g-tube or nasogastric tube for children not able to take medications by mouth.

16. Push on the plunger slowly. Give a small amount at a time until all the medication in the syringe is given.

- If more than 10 mL are needed for a dose, repeat steps 14-17 until the total dose is given.

17. Throw away any left-over mixture. Do not save or reuse mixture.

18. Wash oral syringes and mixing cups in warm water.

Remove the plunger from the syringe to clean. Barrel and plunger can be hand washed with soap and water.



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