



DRUG QUANTITY MANAGEMENT POLICY – PER RX

- POLICY:** Antiseizure Medications – Vigabatrin Drug Quantity Management Policy – Per Rx
- Sabril® (vigabatrin tablets and powder for oral solution – Lundbeck, generic)
 - Vigadrone® (vigabatrin powder for oral solution – Upsher-Smith [generic to Sabril powder for oral solution])
 - Vigpoder™ (vigabatrin powder for oral solution – Pyros [generic to Sabril powder for oral solution])

REVIEW DATE: 01/24/2024

INSTRUCTIONS FOR USE

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CIGNA NATIONAL FORMULARY COVERAGE:

OVERVIEW

Vigabatrin, an antiseizure medication, is indicated for the following uses:¹

- **Refractory complex partial seizures** as adjunctive therapy in adults and pediatric patients ≥ 2 years of age who have inadequately responded to several alternative treatments and for whom the potential benefits outweigh the risk of vision loss. Vigabatrin is not indicated as a first line agent for complex partial seizures.
- **Infantile spasms** as monotherapy in pediatric patients 1 month to 2 years of age for whom the potential benefits outweigh the potential risk of vision loss.

Dosing and Administration

Vigabatrin’s dosing regimen depends on the indication, age group, weight, and dosage form (i.e., tablets or powder for oral solution).¹ Patients with impaired renal function require dose adjustment. Vigabatrin may be taken with or without food. Vigabatrin powder for oral solution should be mixed with water prior to administration. A calibrated measuring device is recommended to measure and deliver the prescribed dose accurately. A household teaspoon or tablespoon is not an adequate measuring device. When discontinuing vigabatrin, the dose should be gradually reduced.

Refractory Complex Partial Seizures

Adults (Patients ≥ 17 Years of Age)

Treatment with vigabatrin should be initiated at 1,000 mg/day (500 mg twice daily [BID]).¹ Total daily dose may be increased in 500 mg increments at weekly intervals, depending on response. The recommended dose of vigabatrin in adults is 3,000 mg/day (1,500 mg BID). However, doses up to 6,000 mg have been studied.^{1,3} According to current guidelines, vigabatrin doses of 1 , 3, and 6 grams per day yielded significant higher responder rates and larger reductions in monthly seizure frequency.³ Fatigue and drowsiness are the most frequent adverse events, with higher drug discontinuation in the 6 gram per day group.

Pediatric (Patients 2 to 16 Years of Age)

The recommended dosage of vigabatrin is based on body weight and administered as two divided doses.¹ The dosage may be increased in weekly intervals to the total daily maintenance dosage, depending on response (Table 1). Pediatric patients weighing > 60 kg should be dosed according to adult recommendations.

Table 1: Dosing Recommendations for Vigabatrin in Pediatric Patients Weighing 10 kg up to 60 kg.¹

Body Weight	Recommended Total Daily Maintenance Dose
10 kg to 15 kg	1,050 mg/day
> 15 kg to 20 kg	1,300 mg/day
> 20 kg to 25 kg	1,500 mg/day
> 25 kg to 60 kg	2,000 mg/day

Infantile Spasms (patients 1 month to 2 years of age)

The initial daily dosage of vigabatrin is 25 mg/kg BID (50 mg/kg/day); subsequent dosing can be titrated by 25 mg/kg/day to 50 mg/kg/day increments every 3 days, up to a maximum of 75 mg/kg BID (150 mg/kg/day) [Table 2].¹

Table 2: Dose and Volume of Vigabatrin 50 mg/mL Solution in Infants by Weight.¹

Infant Weight	Starting Dose 50 mg/kg/day		Maximum Dose 150 mg/kg/day	
	3 kg	75 mg BID	1.5 mL BID	225 mg BID
4 kg	100 mg BID	2 mL BID	300 mg BID	6 mL BID
5 kg	125 mg BID	2.5 mL BID	375 mg BID	7.5 mL BID
6 kg	150 mg BID	3 mL BID	450 mg BID	9 mL BID
7 kg	175 mg BID	3.5 mL BID	525 mg BID	10.5 mL BID
8 kg	200 mg BID	4 mL BID	600 mg BID	12 mL BID

9 kg	225 mg BID	4.5 mL BID	675 mg BID	13.5 mL BID
10 kg	250 mg BID	5 mL BID	750 mg BID	15 mL BID
11 kg	275 mg BID	5.5 mL BID	825 mg BID	16.5 mL BID
12 kg	300 mg BID	6 mL BID	900 mg BID	18 mL BID
13 kg	325 mg BID	6.5 mL BID	975 mg BID	19.5 mL BID
14 kg	350 mg BID	7 mL BID	1,050 mg BID	21 mL BID
15 kg	375 mg BID	7.5 mL BID	1,125 mg BID	22.5 mL BID
16 kg	400 mg BID	8 mL BID	1,200 mg BID	24 mL BID

BID – Twice daily.

Availability

Vigabatrin (Sabril, generic) is available as 500 mg film-coated tablets, scored on one side and supplied in bottles of 100 tablets.¹ Vigabatrin (Sabril, generic), Vigadrone, and Vigpoder are available as powder for oral solution in 500 mg packets of powder and supplied in cartons of 50 packets.¹⁻³

POLICY STATEMENT

This Drug Quantity Management program has been developed to promote the safe, effective, and economic use of vigabatrin. If the Drug Quantity Management rule is not met for the requested medication at the point of service, coverage will be determined by the Criteria below. All approvals are provided for 1 year in duration.

Drug Quantity Limits

Product	Strength and Form	Retail Maximum Quantity per Rx	Home Delivery Maximum Quantity per Rx
Sabril® (vigabatrin tablets and powder for oral solution, generic)	500 mg tablets	180 tablets	540 tablets
	500 mg powder packets	150 packets	450 packets
Vigadrone® (vigabatrin powder for oral solution)	500 mg powder packets	150 packets	450 packets
Vigpoder™ (vigabatrin powder for oral solution)	500 mg powder packets	150 packets	450 packets

Antiseizure Medications – Vigabatrin Drug Quantity Management Policy – Per Rx product(s) is(are) covered as medically necessary when the following criteria is(are) met. Any other exception is considered not medically necessary.

CRITERIA

Vigabatrin 500 mg tablets (Sabril, generic)

1. If a patient requires a dose of more than 3,000 mg per day, approve the requested quantity not to exceed 360 tablets per dispensing at retail or 1,080 tablets per dispensing at home delivery.

Note: This override allows for dosing up to 6,000 mg per day.

Vigabatrin (Sabril, generic), Vigadrone, and Vigpoder 500 mg powder packets

1. If a patient requires a dose of more than 2,500 mg per day, approve the requested quantity not to exceed 350 packets per dispensing at retail or 1,050 packets per dispensing at home delivery.

Note: This override allows for dosing up to approximately 6,000 mg per day, rounded to the nearest 50 packet carton.

REFERENCES

1. Sabril® tablets and powder packets [prescribing information]. Deerfield, IL: Lundbeck; October 2021.
2. Vigadrone® powder packets [prescribing information]. Maple Grove, MN: Upsher-Smith; February 2020.
3. Kanner AM, Ashman E, Gloss D, et al. Practice guideline update summary: efficacy and tolerability of the new antiepileptic drugs II: treatment-resistant epilepsy: report of the guideline development, dissemination, and implementation subcommittee of the American Academy of Neurology and the American Epilepsy Society. *Neurology*. 2018;91(2):82-90.

HISTORY

Type of Revision	Summary of Changes	Review Date
New Policy	--	01/18/2023
Update	01/25/2023: Overview section was updated to indicate that doses up to 6,000 mg have been studied. Vigabatrin 500 mg tablets (Sabril, generic): A "Note" was added to indicate that the override allows for dosing up to 6,000 mg per day. Vigabatrin 500 mg powder packets (Sabril, generic) and Vigadrone 500 mg powder packets: A "Note" was added to indicate that the override allows for dosing up to approximately 6,000 mg per day, rounded to the nearest 50 packet carton.	NA
Update	02/03/2023: Policy name changed from "Antiepileptics – Vigabatrin Drug Quantity Management Policy – Per Rx" to "Antiseizure Medications – Vigabatrin Drug Quantity Management Policy – Per Rx".	NA
Annual Revision	Vigpoder 500 mg powder packets: Vigpoder 500 mg powder packets were added to the policy. The same quantity limits and clinical overrides apply to Vigpoder as apply to vigabatrin 500 mg powder packets (Sabril, generic).	01/24/2024

NA – Not applicable.

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