

Clinical Policy: Gabapentin ER (Gralise, Horizant)

Reference Number: DE.PMN.240

Effective Date: 01.23

Last Review Date: 01.23

Line of Business: Medicaid

[Revision Log](#)

See [Important Reminder](#) at the end of this policy for important regulatory and legal information.

Description

Gabapentin (Gralise[®]) is an analog of gamma-aminobutyric acid (GABA) that has GABA agonist activity.

Gabapentin enacarbil ER (Horizant[®]) is a prodrug of gabapentin.

FDA Approved Indication(s)

Gralise and Horizant are indicated for the management of postherpetic neuralgia (PHN).

Horizant is also indicated for the treatment of moderate-to-severe primary restless legs syndrome (RLS) in adults.

Limitation(s) of use:

- Horizant is not recommended for patients who are required to sleep during the daytime and remain awake at night.
- Gralise and Horizant are not interchangeable with other gabapentin products because of differing pharmacokinetic profiles that affect the frequency of administration.

Policy/Criteria

Provider must submit documentation (such as office chart notes, lab results or other clinical information) supporting that member has met all approval criteria.

It is the policy of health plans affiliated with Centene Corporation[®] that Gralise and Horizant are **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Postherpetic Neuralgia (must meet all):

1. Diagnosis of PHN;
2. Age \geq 18 years;
3. Failure of an adequate trial of at least two preferred* FDA-approved drugs for the indication and/or drugs that are considered the standard of care within the same drug class on the PDL, when such agents exist, at maximum indicated doses, unless clinically significant adverse effect are experienced, or all are contraindicated;
* *Generic is preferred, if available, and brand is not the preferred agent;*
4. Dose does not exceed (a or b):
 - a. Gralise: 1,800 mg (3 tablets) per day;
 - b. Horizant: 1,200 mg (2 tablets) per day.

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Approval duration:

Medicaid – 12 months

B. Restless Leg Syndrome (must meet all):

1. Diagnosis of RLS;
2. Request is for Horizant;
3. Age \geq 18 years;
4. Failure of an adequate trial of at least two preferred* FDA-approved drugs for the indication and/or drugs that are considered the standard of care within the same drug class on the PDL, when such agents exist, at maximum indicated doses, unless clinically significant adverse effect are experienced, or all are contraindicated;
** Generic is preferred, if available, and brand is not the preferred agent;*
5. Dose does not exceed 600 mg (1 tablet) per day.

Approval duration:

Medicaid – 12 months

C. Other diagnoses/indications

1. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.PMN.53.

II. Continued Therapy

A. All Indications in Section I (must meet all):

1. Currently receiving medication via Centene benefit or member has previously met initial approval criteria;
2. Member is responding positively to therapy;
3. If request is for a dose increase, new dose does not exceed (a or b):
 - a. PHN: 1,800 mg (3 tablets) per day (Gralise) or 1,200 mg (2 tablets) per day (Horizant);
 - b. RLS: 600 mg (1 tablet) per day (Horizant).

Approval duration:

Medicaid – 12 months

B. Other diagnoses/indications (must meet 1 or 2):

1. Currently receiving medication via Centene benefit and documentation supports positive response to therapy.

Approval duration: Duration of request or 12 months (whichever is less); or

2. Refer to the off-label use policy for the relevant line of business if diagnosis is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized): CP.PMN.53.

III. Diagnoses/Indications for which coverage is NOT authorized:

- A. Non-FDA approved indications, which are not addressed in this policy, unless there is sufficient documentation of efficacy and safety according to the off label use policies – CP.PMN.53 or evidence of coverage documents.**

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IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

FDA: Food and Drug Administration

GABA: gamma-aminobutyric acid

PHN: post herpetic neuralgia

RLS: restless legs syndrome

TCA: tricyclic antidepressant

Appendix B: Therapeutic Alternatives

This table provides a listing of preferred alternative therapy recommended in the approval criteria. The drugs listed here may not be a formulary agent for all relevant lines of business and may require prior authorization.

Drug Name	Indication	Dosing Regimen	Dose Limit/Maximum Dose
gabapentin (Neurontin®)	PHN	300 mg PO as a single dose on day 1, then 600 mg/day (300 mg PO BID) on day 2, and 900 mg/day (300 mg PO TID) on day 3. The dose can then be titrated up as needed for pain relief to a dose of 1,800 mg/day (600 mg PO TID).	3,600 mg/day
gabapentin (Neurontin®)	RLS	300 mg PO daily. The dose can be titrated up by 300 mg every week as needed up to 3,600 mg/day. Doses should be spaced at least 2 hours apart.	3,600 mg/day
Pregabalin (Lyrica®)	RLS	75 mg PO daily. The dose can be titrated up by 75 mg every week as needed up to 450 mg daily.	450 mg/day
Pregabalin (Lyrica®)	PHN	2 or 3 divided doses PO per day	600 mg/day
Pregabalin extended-release (Lyrica CR®)	PHN	165 mg PO QD. Dose may be increased to 330 mg PO QD within 1 week. After 2 to 4 weeks of treatment, dose may be increased to 660 mg PO QD in patients not experiencing adequate pain relief.	660 mg/day
amitriptyline (Elavil®)	PHN	25 to 150 mg PO QHS	150 mg/day
desipramine (Norpramin®)	PHN	10 to 25 mg PO QHS and titrate to pain relief as tolerated (in one study, mean dose was 167 mg/day)	200 mg/day
nortriptyline (Pamelor®)	PHN	75 mg to 150 mg PO daily	150 mg/day

Therapeutic alternatives are listed as Brand name® (generic) when the drug is available by brand name only and generic (Brand name®) when the drug is available by both brand and generic.

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Appendix C: Contraindications/Boxed Warnings

- Contraindication(s): hypersensitivity (Gralise)
- Boxed warning(s): none reported

V. Dosage and Administration

Drug Name	Indication	Dosing Regimen	Maximum Dose
Gabapentin ER (Gralise)	PHN	Gralise should be initiated and titrated as follows: Day 1: 300 mg PO Day 2: 600 mg PO Days 3 to 6: 900 mg PO QD Days 7 to 10: 1,200 mg PO QD Days 11 to 14: 1,500 mg PO QD Days \geq 15: 1,800 mg PO QD	1,800 mg/day
Gabapentin enacarbil ER (Horizant)	PHN	600 mg PO QAM for 3 days, then increase to 600 mg PO BID beginning on day 4	1,200 mg/day
	RLS	600 mg PO QD at about 5 PM	600 mg/day

VI. Product Availability

Drug Name	Availability
Gabapentin ER (Gralise)	ER tablets: 300 mg, 600 mg
Gabapentin enacarbil ER (Horizant)	ER tablets: 300 mg, 600 mg

VII. References

1. Gralise Prescribing Information. Morristown, NJ: Almatica Pharma, Inc.; April 2020. Available at: <https://www.gralise.com/>. Accessed April 15, 2022.
2. Horizant Prescribing Information. Atlanta, GA; Arbor Pharmaceuticals, LLC; April 2020. Available at: <https://horizant.com/>. Accessed April 15, 2022.
3. Dubinsky RM, Kabbani H, El-Chami Z, Boutwell C, Ali H. Practice Parameter: Treatment of postherpetic neuralgia. An evidence-based report of the Quality Standards Subcommittee of the American Academy of Neurology. Neurology September 28, 2004 vol. 63 no. 6 959-965.
4. Clinical Pharmacology [database online]. Elsevier; 2022. Available at: <https://www.clinicalkey.com/pharmacology/>. Accessed April 15, 2022
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6. Silber MH, Buchfuhrer MJ, Earley CJ, et al. The management of restless legs syndrome: an updated algorithm. Mayo Clinic July 2021; 96(7): 1921-1937. <https://doi.org/10.1016/j.mayocp.2020.12.026>.

Reviews, Revisions, and Approvals	Date	P&T Approval Date
Policy created	11.22	01.23

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Important Reminder

This clinical policy has been developed by appropriately experienced and licensed health care professionals based on a review and consideration of currently available generally accepted standards of medical practice; peer-reviewed medical literature; government agency/program approval status; evidence-based guidelines and positions of leading national health professional organizations; views of physicians practicing in relevant clinical areas affected by this clinical policy; and other available clinical information. The Health Plan makes no representations and accepts no liability with respect to the content of any external information used or relied upon in developing this clinical policy. This clinical policy is consistent with standards of medical practice current at the time that this clinical policy was approved. “Health Plan” means a health plan that has adopted this clinical policy and that is operated or administered, in whole or in part, by Centene Management Company, LLC, or any of such health plan’s affiliates, as applicable.

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