



## Luxturna® (voretigene neparvovec-rzyl) (Subretinal Injection)

Document Number: SHP-0350

Last Review Date: 01/04/2022

Date of Origin: 01/03/2018

Dates Reviewed: 01/2018, 03/2018, 07/2018, 01/2019, 01/2020, 01/2021, 01/2022

### I. Length of Authorization

Coverage will be provided for one dose per eye and may not be renewed.

### II. Dosing Limits

#### A. Quantity Limit (max daily dose) [NDC Unit]:

- N/A

#### B. Max Units (per dose and over time) [HCPCS Unit]:

- 150 billable units per eye

### III. Initial Approval Criteria <sup>1,2</sup>

Coverage is provided in the following conditions:

Submission of medical records (chart notes) related to the medical necessity criteria is **REQUIRED** on all requests for authorizations. Records will be reviewed at the time of submission. Please provide documentation related to diagnosis, step therapy, and clinical markers (i.e. genetic and mutational testing) supporting initiation when applicable. Medical records may be submitted via direct upload through the PA web portal or by fax.

- Patient is at least 4 years of age; **AND**
- Patient must have an adequate washout period, defined as a minimum of 3 months, from retinoid therapies prior to receipt of voretigene; **AND**
- Patient has not had intraocular surgery within six months; **AND**

#### Retinal Dystrophy † Φ <sup>1,2</sup>

- Patient has a definitive diagnosis confirming biallelic *RPE65* mutation-associated retinal dystrophy; **AND**

- Patient must have viable retinal cells as determined by non-invasive means, such as optical coherence tomography (OCT) and/or ophthalmoscopy indicating one or more of the following:
  - An area of retina within the posterior pole of >100 µm thickness shown on OCT
  - ≥ 3-disc areas of retina without atrophy or pigmentary degeneration within the posterior pole
  - Remaining visual field within 30 degrees of fixation as measured by an III4e isopter or equivalent

† FDA Approved Indication(s); ‡ Compendium Recommended Indication(s); ◊ Orphan Drug

#### IV. Renewal Criteria <sup>1</sup>

Coverage cannot be renewed.

#### V. Dosage/Administration <sup>1</sup>

Indication	Dose
Biallelic RPE65 mutation-associated retinal dystrophy	<p><b>For subretinal injection only.</b></p> <p><u>Preparing for Administration:</u></p> <ul style="list-style-type: none"> <li>• Luxturna should be administered in the surgical suite under controlled aseptic conditions by a surgeon experienced in performing intraocular surgery.</li> <li>• Dilate the eye, give adequate anesthesia to the patient, and administer a topical broad spectrum microbicide.</li> <li>• Complete a vitrectomy.</li> <li>• Do not administer Luxturna in the immediate vicinity of the fovea.</li> </ul> <p><u>Luxturna Injection:</u></p> <ul style="list-style-type: none"> <li>• Under direct visualization, administer Luxturna into the affected eye [1.5 x 10<sup>11</sup> vector genomes (vg) in a total volume of 0.3 mL]</li> <li>• Perform subretinal administration of Luxturna to each eye on separate days within a close interval, but no fewer than 6 days apart.</li> <li>• Recommend systemic oral corticosteroids equivalent to prednisone at 1 mg/kg/day (maximum of 40 mg/day) for a total of 7 days (starting 3 days before administration of Luxturna to the first eye) and followed by tapering the dose during the following 10 days. The same corticosteroid dosing regimen applies for the administration of Luxturna to the second eye. If the corticosteroid taper following Luxturna administration to the first eye is not complete three days prior to the planned Luxturna administration to the second eye, then the corticosteroid regimen for the second eye replaces the taper for the first eye.</li> </ul>

- Store Luxturna and Diluent frozen at ≤ -65 °C. Thaw prior to infusion.
- Luxturna is an adeno-associated virus vector-based gene therapy. Follow universal biohazard precautions for handling.

#### VI. Billing Code/Availability Information

HCPSC code:

- J3398 – Injection, voretigene neparvovec-rzyl, 1 billion vector genomes: 1 billable unit = 10<sup>9</sup> vector genomes

**NDC:**

- Luxturna carton (one single-dose vial of Luxturna and two vials of diluent): 71394-0415-xx

## VII. References

1. Luxturna [package insert]. Philadelphia, PA; Spark Therapeutics, Inc., December 2019. Accessed December 2021.
2. Russell S, Bennett J, Wellman JA, et al. Efficacy and safety of voretigene neparvovec (AAV2-hRPE65v2) in patients with RPE65-mediated inherited retinal dystrophy: a randomised, controlled, open-label, phase 3 trial. Lancet. 2017 Aug 26;390(10097):849-860. doi: 10.1016/S0140-6736(17)31868-8. Epub 2017 Jul 14. Erratum in: Lancet. 2017 Aug 26;390(10097):848.
3. Palmetto GBA. Local Coverage Article: Billing and Coding: Voretigene Neparvovec-rzyl (Luxturna®) (A56419). Centers for Medicare & Medicaid Services, Inc. Updated on 03/30/2021 with effective date of 04/08/2021. Accessed December 2021.

### Appendix 1 – Covered Diagnosis Codes

ICD-10	ICD-10 Description
H35.50	Unspecified hereditary retinal dystrophy

### Appendix 2 – Centers for Medicare and Medicaid Services (CMS)

Medicare coverage for outpatient (Part B) drugs is outlined in the Medicare Benefit Policy Manual (Pub. 100-2), Chapter 15, §50 Drugs and Biologicals. In addition, National Coverage Determination (NCD), Local Coverage Article (LCAs) and Local Coverage Determinations (LCDs) may exist and compliance with these policies is required where applicable. They can be found at: <https://www.cms.gov/medicare-coverage-database/search.aspx>. Additional indications may be covered at the discretion of the health plan.

Medicare Part B Covered Diagnosis Codes (applicable to existing NCD/LCA/LCD):

<b>Jurisdiction(s):</b> J, M	<b>NCD/LCD/LCA Document (s):</b> A56419
<a href="https://www.cms.gov/medicare-coverage-database/new-search/search-results.aspx?keyword=a56419&amp;areaId=all&amp;docType=NCA%2CCAL%2CNCD%2CMEDCAC%2CTA%2CMCD%2C6%2C3%2C5%2C1%2CF%2CP">https://www.cms.gov/medicare-coverage-database/new-search/search-results.aspx?keyword=a56419&amp;areaId=all&amp;docType=NCA%2CCAL%2CNCD%2CMEDCAC%2CTA%2CMCD%2C6%2C3%2C5%2C1%2CF%2CP</a>	

Medicare Part B Administrative Contractor (MAC) Jurisdictions		
Jurisdiction	Applicable State/US Territory	Contractor
E (1)	CA, HI, NV, AS, GU, CNMI	Noridian Healthcare Solutions, LLC

Medicare Part B Administrative Contractor (MAC) Jurisdictions		
Jurisdiction	Applicable State/US Territory	Contractor
F (2 & 3)	AK, WA, OR, ID, ND, SD, MT, WY, UT, AZ	Noridian Healthcare Solutions, LLC
5	KS, NE, IA, MO	Wisconsin Physicians Service Insurance Corp (WPS)
6	MN, WI, IL	National Government Services, Inc. (NGS)
H (4 & 7)	LA, AR, MS, TX, OK, CO, NM	Novitas Solutions, Inc.
8	MI, IN	Wisconsin Physicians Service Insurance Corp (WPS)
N (9)	FL, PR, VI	First Coast Service Options, Inc.
J (10)	TN, GA, AL	Palmetto GBA, LLC
M (11)	NC, SC, WV, VA (excluding below)	Palmetto GBA, LLC
L (12)	DE, MD, PA, NJ, DC (includes Arlington & Fairfax counties and the city of Alexandria in VA)	Novitas Solutions, Inc.
K (13 & 14)	NY, CT, MA, RI, VT, ME, NH	National Government Services, Inc. (NGS)
15	KY, OH	CGS Administrators, LLC