

# Drug Policy:

## Lutathera™ (lutetium Lu 177 dotatate)

<b>POLICY NUMBER</b> UM ONC_1332	<b>SUBJECT</b> Lutathera™ (lutetium Lu 177 dotatate)		<b>DEPT/PROGRAM</b> UM Dept	<b>PAGE 1 of 3</b>
<b>DATES COMMITTEE REVIEWED</b> 02/14/18, 02/06/19, 12/11/19, 02/12/20, 12/09/20, 11/10/21, 05/11/22, 09/14/22, 07/12/23, 06/12/24	<b>APPROVAL DATE</b> June 12, 2024	<b>EFFECTIVE DATE</b> June 28, 2024	<b>COMMITTEE APPROVAL DATES</b> 02/14/18, 02/06/19, 12/11/19, 02/12/20, 12/09/20, 11/10/21, 05/11/22, 09/14/22, 07/12/23, 06/12/24	
<b>PRIMARY BUSINESS OWNER:</b> UM		<b>COMMITTEE/BOARD APPROVAL</b> Utilization Management Committee		
<b>NCQA STANDARDS</b> UM 2		<b>ADDITIONAL AREAS OF IMPACT</b>		
<b>CMS REQUIREMENTS</b>	<b>STATE/FEDERAL REQUIREMENTS</b>		<b>APPLICABLE LINES OF BUSINESS</b> Commercial, Exchange, Medicaid	

### I. PURPOSE

To define and describe the accepted indications for Lutathera (lutetium Lu 177 dotatate) usage in the treatment of cancer, including FDA approved indications, and off-label indications.

Evolent is responsible for processing all medication requests from network ordering providers. Medications not authorized by Evolent may be deemed as not approvable and therefore not reimbursable.

The use of this drug must be supported by one of the following: FDA approved product labeling, CMS-approved compendia, National Comprehensive Cancer Network (NCCN), American Society of Clinical Oncology (ASCO) clinical guidelines, or peer-reviewed literature that meets the requirements of the CMS Medicare Benefit Policy Manual Chapter 15.

### II. INDICATIONS FOR USE/INCLUSION CRITERIA

#### A. Continuation requests for a not-approvable medication shall be exempt from this Evolent policy provided:

1. The requested medication was used within the last year, **AND**
2. The member has not experienced disease progression and/or no intolerance to the requested medication, **AND**
3. Additional medication(s) are not being added to the continuation request.

#### B. Gastrointestinal and pancreatic neuroendocrine tumors (GEP-NET)

1. Lutathera (lutetium Lu 177 dotatate) may be used in pediatric and adult members 12 years of age and older who have metastatic, locally advanced, or unresectable gastrointestinal **OR** pancreatic neuroendocrine tumors (GEP-NET), **AND have the** confirmed presence of somatostatin receptors on metastatic lesions documented by peptide receptor scintigraphy e.g., Ga-DOTA scan or similar test

2. Lutathera (lutetium Lu 177 dotatate) may be used in members who have previously received Octreotide LAR and/or Lanreotide and experienced disease progression on either of the above agents.

### III. EXCLUSION CRITERIA

- A. Dosing exceeds single dose limit of Lutathera (lutetium Lu 177 dotatate) 7.4 GBq (200 mCi).
- B. Investigational use of Lutathera (lutetium Lu 177 dotatate) with an off-label indication that is not sufficient in evidence or is not generally accepted by the medical community. Sufficient evidence that is not supported by CMS recognized compendia or acceptable peer reviewed literature is defined as any of the following:
  1. Whether the clinical characteristics of the patient and the cancer are adequately represented in the published evidence.
  2. Whether the administered chemotherapy/biologic therapy/immune therapy/targeted therapy/other oncologic therapy regimen is adequately represented in the published evidence.
  3. Whether the reported study outcomes represent clinically meaningful outcomes experienced by patients. Generally, the definitions of Clinically Meaningful outcomes are those recommended by ASCO, e.g., Hazard Ratio of less than 0.80 and the recommended survival benefit for OS and PFS should be at least 3 months.
  4. Whether the experimental design, considering the drugs and conditions under investigation, is appropriate to address the investigative question. (For example, in some clinical studies, it may be unnecessary or not feasible to use randomization, double blind trials, placebos, or crossover).
  5. That non-randomized clinical trials with a significant number of subjects may be a basis for supportive clinical evidence for determining accepted uses of drugs.
  6. That case reports are generally considered uncontrolled and anecdotal information and do not provide adequate supportive clinical evidence for determining accepted uses of drugs.
  7. That abstracts (including meeting abstracts) without the full article from the approved peer-reviewed journals lack supporting clinical evidence for determining accepted uses of drugs.

### IV. MEDICATION MANAGEMENT

- A. Please refer to the FDA label/package insert for details regarding these topics.

### V. APPROVAL AUTHORITY

- A. Review – Utilization Management Department
- B. Final Approval – Utilization Management Committee

### VI. ATTACHMENTS

- A. None

### VII. REFERENCES

- A. Strosberg J, et al. Peptide receptor radiotherapy re-treatment in patients with progressive neuroendocrine tumors: A systematic review and meta-analysis. *Cancer Treat Rev.* 2021 Feb;93:102141. doi: 10.1016/j.ctrv.2020.102141.

- B. Strosberg J, et al; NETTER-1 Trial Investigators. Phase 3 Trial of <sup>177</sup>Lu-Dotatate for Midgut Neuroendocrine Tumors. N Engl J Med. 2017 Jan 12;376(2):125-135. doi: 10.1056/NEJMoa1607427
- C. Liu T, et al. Treatments for patients with advanced neuroendocrine tumors: a network meta-analysis. Ther Adv Med Oncol. 2019;11:1758835919853673.
- D. Lutathera prescribing information. Advanced Accelerator Applications USA, Inc., NJ 2024.
- E. Clinical Pharmacology Elsevier Gold Standard 2023.
- F. Micromedex® Healthcare Series: Micromedex Drugdex Ann Arbor, Michigan 2023.
- G. National Comprehensive Cancer Network. Cancer Guidelines and Drugs and Biologics Compendium 2023.
- H. AHFS Drug Information. American Society of Health-Systems Pharmacists or Wolters Kluwer Lexi-Drugs. Bethesda, MD 2023.
- I. Ellis LM, et al. American Society of Clinical Oncology perspective: Raising the bar for clinical trials by defining clinically meaningful outcomes. J Clin Oncol. 2014 Apr 20;32(12):1277-80.
- J. Medicare Benefit Policy Manual Chapter 15 Covered Medical and Other Health Services: <https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/Downloads/bp102c15.pdf>.