

Drug Policy:

Pedmark™ (sodium thiosulfate)

POLICY NUMBER UM ONC_1467	SUBJECT Pedmark™ (sodium thiosulfate)		DEPT/PROGRAM UM Dept	PAGE 1 of 3
DATES COMMITTEE REVIEWED 11/09/22	APPROVAL DATE November 9, 2022	EFFECTIVE DATE November 25, 2022	COMMITTEE APPROVAL DATES 11/09/22	
PRIMARY BUSINESS OWNER: UM		COMMITTEE/BOARD APPROVAL Utilization Management Committee		
URAC STANDARDS HUM v8: UM 1-2; UM 2-1	NCQA STANDARDS UM 2		ADDITIONAL AREAS OF IMPACT	
CMS REQUIREMENTS	STATE/FEDERAL REQUIREMENTS		APPLICABLE LINES OF BUSINESS Commercial, Exchange, Medicaid	

I. PURPOSE

To define and describe the accepted indications for Pedmark (sodium thiosulfate) usage in the treatment of cancer, including FDA approved indications, and off-label indications.

New Century Health (NCH) is responsible for processing all medication requests from network ordering providers. Medications not authorized by NCH 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. PREFERRED MEDICATION GUIDANCE FOR INITIAL REQUEST:

1. When health plan Medicaid coverage provisions—including any applicable PDLs (Preferred Drug Lists)—conflict with the coverage provisions in this drug policy, health plan Medicaid coverage provisions take precedence per the Preferred Drug Guidelines [OR](#)
2. When health plan Exchange coverage provisions-including any applicable PDLs (Preferred Drug Lists)-conflict with the coverage provisions in this drug policy, health plan Exchange coverage provisions take precedence per the Preferred Drug Guidelines [OR](#)

3. When Health Plans utilize NCH UM Oncology Clinical Policies as the initial clinical criteria, and there is no Health Plan PDL applicable, the [Preferred Drug Guidelines](#) shall follow NCH recommended agents/regimens/preferred drugs **AND**
4. Continuation requests of previously approved, non-preferred medication are not subject to this provision **AND**
5. When applicable, generic alternatives are preferred over brand-name drugs **AND**
6. When there is a documented drug shortage, disease progression, contraindication, or confirmed intolerance to a preferred drug/regimen, per NCH Policy and Pathway, the available alternative product may be used if deemed medically appropriate and the indication is listed in a standard reference compendia or accepted peer review literature. For a list of current drug shortages, please refer to FDA drug shortage website in the reference section.

B. Ototoxicity Prophylaxis with Cisplatin

1. Pedmark (sodium thiosulfate) may be used to reduce the risk of ototoxicity in a pediatric member 1 month to 18 years of age and older with a localized and non-metastatic solid tumor who will be receiving cisplatin treatment **AND**
2. Pedmark (sodium thiosulfate) will be separated from cisplatin infusion by at least 6-10 hours due to the decrease in efficacy of cisplatin when both agents are used together; for this reason, Pedmark (sodium thiosulfate) may not be used with cisplatin given as a continuous infusion over 6-24 hours.

III. EXCLUSION CRITERIA

- A. Pedmark (sodium thiosulfate) is being used to treat irreversible ototoxicity or as a substitute for other sodium thiosulfate containing products.
- B. Concurrent administration of Pedmark (sodium thiosulfate) and cisplatin less than 6 hours after the end of cisplatin administration or within 10 hours prior to the next dose of cisplatin.
- C. Dosing exceeds single dose limit of Pedmark (sodium thiosulfate) 10 gm/m² (for weight less than 5 kg), 15 gm/m² (5-10 kg weight), or 20 gm/m² (greater than 10 kg weight).
- D. Investigational use of Pedmark (sodium thiosulfate) 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 definition 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, in light of 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. Brock PR, et al. Sodium Thiosulfate for Protection from Cisplatin-Induced Hearing Loss. *N Engl J Med*. 2018 Jun 21;378(25):2376-2385.
- B. Freyer DR, et al. Effects of sodium thiosulfate versus observation on development of cisplatin-induced hearing loss in children with cancer (ACCL0431): a multicentre, randomised, controlled, open-label, phase 3 trial. *Lancet Oncol*. 2017 Jan;18(1):63-74.
- C. Pedmark prescribing information. Fennec Pharmaceuticals Inc. Hoboken, NJ 2022.
- D. AHFS Drug Information. American Society of Health-Systems Pharmacists or Wolters Kluwer Lexi-Drugs Bethesda, MD 2022.
- E. Clinical Pharmacology Elsevier Gold Standard 2022.
- F. Micromedex® Healthcare Series: Thomson Micromedex, Greenwood Village, CO 2022.
- G. National Comprehensive Cancer Network. Cancer Guidelines and Drugs and Biologics Compendium 2022.
- H. 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.
- I. Medicare Benefit Policy Manual Chapter 15 Covered Medical and Other Health Services: <https://www.cms.gov/Regulations-and-Guidance/Guidance/Manuals/Downloads/bp102c15.pdf>.
- J. NCQA UM 2022 Standards and Elements.