

Clinical Policy: Mirvetuximab soravatansine-gynx (Elahere)

Reference Number: LA.PHAR.617

Effective Date: ~~08.28.23~~05.10.24

Last Review Date: ~~02.10.24~~11.21.24

Line of Business: Medicaid

[Coding Implications](#)

[Revision Log](#)

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

****Please note: This policy is for medical benefit****

Description

Mirvetuximab soravtasnine-gynx (Elahere™) is a folate receptor alpha (FR α)-directed antibody and microtubule inhibitor conjugate.

FDA Approved Indication(s)

Elahere is indicated for the treatment of adult patients with a FR α positive, platinum-resistant epithelial ovarian, fallopian tube, or primary peritoneal cancer, who have received one to three prior systemic treatment regimens. Select patient for therapy based on an FDA-approved test.

~~This indication is approved under accelerated approval based on tumor response and durability of response. Continued approval for this indication may be contingent upon verification and description of clinical benefit in a confirmatory trial.~~

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 Louisiana Healthcare Connections® that Elahere is **medically necessary** when the following criteria are met:

I. Initial Approval Criteria

A. Ovarian Cancer (must meet all):

1. Diagnosis of epithelial ovarian, fallopian tube, or primary peritoneal cancer;
2. Prescribed by or in consultation with an oncologist;
3. Age \geq 18 years;
4. Member meets all of the following parameters (a, b, and c) (*see Appendix D*):
 - a. FR α positive ovarian cancer determined by the Ventana FOLR1 (Folate Receptor 1/Folate Receptor Alpha) Assay;
 - b. Platinum-resistant ovarian cancer;
 - c. Received at least 1 but no more than 3 prior systemic lines of anticancer therapy, including at least 1 line of therapy containing bevacizumab;
5. Documentation of current actual body weight in kg and height in cm;
6. Request meets one of the following (a or b):*
 - a. Dose does not exceed 6mg/kg dosed based on adjusted ideal body weight (*see Appendix D*) on ~~day~~Day 1 of every 3-week cycle-;

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- 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 – LA.PMN.53 for Medicaid or evidence of coverage documents.

IV. Appendices/General Information

Appendix A: Abbreviation/Acronym Key

AIBW: adjusted ideal body weight

FDA: Food and Drug Administration

FOLR1: ~~Folate Receptor~~ folate receptor

1/~~Folate Receptor Alpha~~

FR α : folate receptor alpha

IBW: ideal body weight

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 and may require prior authorization.

Drug Name	Dosing Regimen	Dose Limit/ Maximum Dose
Ovarian Cancer		
Alimta [®] (pemetrexed)	Various	Varies
Alkeran [®] (melphalan)	Various	Varies
Avastin [®] (bevacizumab)	Various	Varies
carboplatin (Paraplatin [®])	Various	Varies
cisplatin (Platinol-AQ[®])	Various	Varies
cyclophosphamide (Cytosan[®]) <u>oxaliplatin</u>	Various	Varies
docetaxel (Taxotere [®])	Various	Varies
<u>paclitaxel</u>	<u>Various</u>	<u>Varies</u>
<u>pemetrexed (Alimta[®])</u>	<u>Various</u>	<u>Varies</u>
<u>melphalan (Alkeran[®])</u>	<u>Various</u>	<u>Varies</u>
<u>Zirabev[™], Mvasi[®], Alymsys[®], Vegzelma[™], Avastin[®] (bevacizumab)</u>	<u>Various</u>	<u>Varies</u>
<u>cyclophosphamide</u>	<u>Various</u>	<u>Varies</u>
doxorubicin (Doxil[®] , Adriamycin [®])	Various	Varies
etoposide (Vepesid[®])	Various	Varies
gemcitabine (Gemzar[®])	Various	Varies
ifosfamide (Ifex [®])	Various	Varies
irinotecan (Camptosar [®])	Various	Varies
oxaliplatin (Eloxatin[®])	Various	Varies
topotecan (Hycamtin [®])	Various	Varies
Hexalen[®] (altretamine)	Various	Varies

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.

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s): none reported

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- Boxed warning(s): ocular toxicity
 - Elahere can cause severe ocular toxicities, including visual impairment, keratopathy, dry eye, photophobia, eye pain, and uveitis.
 - Conduct an ophthalmic exam including visual acuity and slit lamp exam prior to initiation of Elahere, every other cycle for the first 8 cycles, and as clinically indicated.
 - Administer prophylactic artificial tears and ophthalmic topical steroids.
 - Withhold Elahere for ocular toxicities until improvement and resume at the same or reduced dose.
 - Discontinue Elahere for Grade 4 ocular toxicities.

Appendix D: General Information

- Platinum-resistant disease was defined as:
 - Members who have only had 1 line of platinum-based therapy must have received at least 4 cycles of platinum therapies, must have had a response (complete response/remission or partial response/remission) and then progressed between > 3 months and ≤ 6 months after the date of the last dose of platinum-based therapy.
 - Members who have received 2 or 3 lines of platinum therapy must have progressed on or within 6 months after the date of the last dose of platinum-based therapy.
- Members must have received at least 1 but no more than 3 prior systemic lines of anticancer therapy. Examples include:
 - Adjuvant \pm neoadjuvant considered 1 line of therapy
 - Maintenance therapy (e.g., bevacizumab, poly adenosine diphosphate-ribose polymerase (PARP) inhibitors) will be considered part of the preceding line of therapy (i.e., not counted independently).
 - Therapy changed due to toxicity in the absence of progression will be considered part of the same line (i.e., not counted independently).
 - Hormonal therapy will be counted as a separate line of therapy unless it was given as maintenance.
- The total dose of Elahere is calculated based on each patient's adjusted ideal body weight using the following formula:
 - $AIBW = \text{Ideal body weight (IBW [kg])} + 0.4 * (\text{Actual body weight [kg]} - \text{IBW})$
 - $\text{Female IBW (kg)} = 0.9 * \text{height(cm)} - 92$
- Information on FDA-approved tests for the measurement of FR α tumor expression is available at <http://www.fda.gov/CompanionDiagnostics>.

V. Dosage and Administration

Indication	Dosing Regimen	Maximum Dose
Ovarian, fallopian tube, or primary peritoneal cancer	6mg/kg IV based on adjusted ideal body weight (AIBW) on day 1 of every 3-week cycle	6mg/kg

VI. Product Availability

Single-dose vials for injection: 100 mg/20 mL (5 mg/mL)

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VII. References

1. Elahere Prescribing Information: Waltham, MA: ImmunoGen, Inc.; November 2022.
Available at:
https://www.accessdata.fda.gov/drugsatfda_docs/label/2022/761310s000lbl.pdf.<https://www.elahere.com/>. Accessed ~~January 6, 2023~~ **March 28, 2024**.
2. National Comprehensive Cancer Network. Ovarian Cancer Including Fallopian Tube Cancer and Primary Peritoneal Cancer, Version 1.2024. Available at:
https://www.nccn.org/professionals/physician_gls/pdf/ovarian.pdf. Accessed **March 31, 2024**.
- ~~2.3.~~ Mirvetuximab In: National Comprehensive Cancer Network Drugs and Biologics Compendium. Available at:
http://www.nccn.org/professionals/drug_compendium.http://www.nccn.org/professionals/drug_compendium. Accessed ~~January 6, 2023~~ **March 31, 2024**.
- ~~3.4.~~ [ClinicalTrials.gov](https://clinicaltrials.gov). A Study of Mirvetuximab Soravtasnine in Platinum-Resistant, Advanced High-Grade Epithelial Ovarian, Primary Peritoneal, or Fallopian Tube Cancers With High Folate Receptor-Alpha Expression (SORAYA). ~~ClinicalTrials.gov~~. ~~Last updated January 23, 2023~~. Available at: <https://clinicaltrials.gov/ct2/show/NCT04296890>. Accessed ~~January 23, 2023~~ **March 31, 2024**.
5. Clinical Pharmacology [database online]. Tampa, FL: Elsevier; 2023. URL:
www.clinicalkeys.com/pharmacology.

Coding Implications

Codes referenced in this clinical policy are for informational purposes only. Inclusion or exclusion of any codes does not guarantee coverage. Providers should reference the most up-to-date sources of professional coding guidance prior to the submission of claims for reimbursement of covered services.

HCPSC Codes	Description
J9063	Injection, mirvetuximab soravtasnine-gynx, 1 mg

Reviews, Revisions, and Approvals	Date	LDH Approval Date
Policy created	05.01.23	08.28.23
Added updated HCPCS code [J9063]	02.10.24	05.10.24
<u>No significant changes; in Appendix B, updated formatting and removed commercially unavailable products per Clinical Pharmacology; removed limitation of use language due to accelerated approval per updated labeling; references reviewed and updated.</u>	11.21.24	

Important Reminder

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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. LHCC 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.

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