

Clinical Policy: Mirvetuximab soravatansine-gynx (Elahere)

Reference Number: LA.PHAR.617

Effective Date:

Last Review Date: 05.01.23

Line of Business: Medicaid

[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 1 of every 3-week cycle ;

CLINICAL POLICY

Mirvetuximab soravtasnine-gynx

- b. Dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

**Prescribed regimen must be FDA-approved or recommended by NCCN*

Approval duration: 6 months

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

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to the following policy:
 - a. For drugs on the PDL (Medicaid), the no coverage criteria policy for the relevant line of business: LA.PMN.255 for Medicaid.
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 1 above does not apply, refer to the off-label use policy for the relevant line of business: LA.PMN.53 for Medicaid.

II. Continued Therapy

A. Ovarian Cancer (must meet all):

1. Currently receiving medication via Louisiana Healthcare Connections benefit or documentation supports that member is currently receiving Elahere for a covered indication and has received this medication for at least 30 days.
2. Member is responding positively to therapy.
3. Documentation of current actual body weight in kg;
4. If request is for a dose increase, request meets one of the following (a or b):*
 - a. New dose does not exceed 6 mg/kg dosed based on adjusted ideal body weight (*see Appendix D*) on day 1 of every 3-week cycle;
 - b. New dose is supported by practice guidelines or peer-reviewed literature for the relevant off-label use (*prescriber must submit supporting evidence*).

**Prescribed regimen must be FDA-approved or recommended by NCCN*

Approval duration: 12 months

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

1. If this drug has recently (within the last 6 months) undergone a label change (e.g., newly approved indication, age expansion, new dosing regimen) that is not yet reflected in this policy, refer to
LA.PMN.255 for Medicaid.
2. If the requested use (e.g., diagnosis, age, dosing regimen) is NOT specifically listed under section III (Diagnoses/Indications for which coverage is NOT authorized) AND criterion 2 above does not apply, refer to the off-label use policy for the relevant line of business: LA.PMN.53 for Medicaid.

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

CLINICAL POLICY

Mirvetuximab soravtasnine-gynx

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

FDA: Food and Drug Administration

FOLR1: Folate Receptor 1/Folate Receptor Alpha

Appendix B: Therapeutic Alternatives

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 (Cytoxan [®])	Various	Varies
docetaxel (Taxotere [®])	Various	Varies
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

Appendix C: Contraindications/Boxed Warnings

- Contraindication(s): none reported
- 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

CLINICAL POLICY

Mirvetuximab soravtasnine-gynx

- 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 ± 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 FRα 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)

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. Accessed January 6, 2023.
2. Mirvetuximab In: National Comprehensive Cancer Network Drugs and Biologics Compendium. Available at: http://www.nccn.org/professionals/drug_compendium. Accessed January 6, 2023.
3. 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.

CLINICAL POLICY

Mirvetuximab soravtasnine-gynx

Reviews, Revisions, and Approvals	Date	P&T Approval Date
Policy created	05.01.23	04.23

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. 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.

The purpose of this clinical policy is to provide a guide to medical necessity, which is a component of the guidelines used to assist in making coverage decisions and administering benefits. It does not constitute a contract or guarantee regarding payment or results. Coverage decisions and the administration of benefits are subject to all terms, conditions, exclusions, and limitations of the coverage documents (e.g., evidence of coverage, certificate of coverage, policy, contract of insurance, etc.), as well as to state and federal requirements and applicable LHCC administrative policies and procedures.

This clinical policy is effective as of the date determined by LHCC. The date of posting may not be the effective date of this clinical policy. This clinical policy may be subject to applicable legal and regulatory requirements relating to provider notification. If there is a discrepancy between the effective date of this clinical policy and any applicable legal or regulatory requirement, the requirements of law and regulation shall govern. LHCC retains the right to change, amend or withdraw this clinical policy, and additional clinical policies may be developed and adopted as needed, at any time.

This clinical policy does not constitute medical advice, medical treatment, or medical care. It is not intended to dictate to providers how to practice medicine. Providers are expected to exercise professional medical judgment in providing the most appropriate care and are solely responsible for the medical advice and treatment of members. This clinical policy is not intended to recommend treatment for members. Members should consult with their treating physician in connection with diagnosis and treatment decisions.

Providers referred to in this clinical policy are independent contractors who exercise independent judgment and over whom LHCC has no control or right of control. Providers are not agents or employees of LHCC.

CLINICAL POLICY

Mirvetuximab soravtasnine-gynx

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