

## **Medical Policy:**

### Enhertu® (fam-trastuzumab deruxtecan-nxki) Intravenous

| POLICY NUMBER | LAST REVIEW   | ORIGIN DATE   |
|---------------|---------------|---------------|
| MG.MM.PH.210  | April 4, 2025 | April 6, 2020 |

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The treating physician or primary care provider must submit to EmblemHealth, or ConnectiCare, as applicable (hereinafter jointly referred to as "EmblemHealth"), the clinical evidence that the member meets the criteria for the treatment or surgical procedure. Without this documentation and information, EmblemHealth will not be able to properly review the request preauthorization or post-payment review. The clinical review criteria expressed below reflects how EmblemHealth determines whether certain services or supplies are medically necessary. This clinical policy is not intended to pre-empt the judgment of the reviewing medical director or dictate to health care providers how to practice medicine. Health care providers are expected to exercise their medical judgment in rendering appropriate care.

EmblemHealth established the clinical review criteria based upon a review of currently available clinical information (including clinical outcome studies in the peer reviewed published medical literature, regulatory status of the technology, evidence-based guidelines of public health and health research agencies, evidence-based guidelines and positions of leading national health professional organizations, views of physicians practicing in relevant clinical areas, and other relevant factors). EmblemHealth expressly reserves the right to revise these conclusions as clinical information changes and welcomes further relevant information. Each benefit program defines which services are covered. The conclusion that a particular service or supply is medically necessary does not constitute a representation or warranty that this service or supply is covered and/or paid for by EmblemHealth, as some programs exclude coverage for services or supplies that EmblemHealth considers medically necessary.

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#### **Definitions**

Fam-trastuzumab deruxtecan-nxki is a HER2-directed antibody-drug conjugate. The antibody is a humanized anti-HER2 IgG1. The small molecule DXd, is a topoisomerase I inhibitor attached to the antibody by a cleavable linker. Following binding to HER2 on tumor cells, fam-trastuzumab deruxtecan-nxki undergoes internalization and intracellular linker cleavage by lysosomal enzymes. Upon release, the membrane-permeable DXd causes DNA damage and apoptotic cell death.

### **Length of Authorization**

Coverage will be provided for 6 months and may be renewed.

### **Dosing Limits [Medical Benefit]**

Max Units (per dose and over time):

5.4mg/kg/every 3 weeks (21-day cycle)

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

• Breast Cancer, NSCLC: 600 Billable Units Every 21 Days

• All Other Indications: 700 Billable Units Every 21 Days

#### Guideline

#### I. Initial Approval Criteria

Enhertu may be considered medically necessary if the below conditions are met AND use is consistent with the medical necessity criteria that follows:

1. Baseline left ventricular ejection fraction (LVEF) within normal limits; AND

#### 1. Breast Cancer – HER2-Positive Disease.

- A. Patient is  $\geq$  18 years of age; **AND**
- B. Patient has recurrent or metastatic breast cancer; AND
- C. Patient has human epidermal growth factor receptor 2 (HER2)-positive disease (immunohistochemistry [IHC] 3+ or in situ hybridization [ISH] positive); **OR**
- D. Patient meets ONE of the following (i or ii):
  - i. Patient has tried at least one prior regimen in the metastatic setting; OR
  - ii. Patient has had disease recurrence during or within 6 months of completing neoadjuvant or adjuvant therapy (within 12 months for Perjeta [pertuzumab injection]-containing regimens) and the medication is used as first-line therapy; **AND**
- E. The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve up to 5.4 mg per kg administered as an intravenous infusion not more frequently than once every 3 weeks.

#### 2. Breast Cancer – Hormone Receptor-Positive, HER2-Low or Ultra-Low Disease

- A. Patient is ≥ 18 years of age; **AND**
- B. Patient has recurrent, unresectable, or metastatic disease; AND
- C. Patient has hormone receptor (HR) positive disease with visceral crisis or is refractory to endocrine therapy; **AND** 
  - <u>Note</u>: Visceral crisis is defined as severe organ dysfunction, as assessed by signs and symptoms, laboratory studies, and rapid disease progression.
- D. Patient has human epidermal growth factor receptor 2 (HER2)-low or HER2-ultra-low disease as shown by immunohistochemistry [IHC] 0+, 1+, 2+ or in situ hybridization [ISH] negative; **AND**
- E. Patient meets ONE of the following (i **OR** ii):
  - i. The medication will be used as first-line therapy and meets BOTH of the following (a AND b):
    - 1. The disease is <u>negative</u> for germline BRCA 1/2 mutation; AND
    - 2. Patient has tried at least one line of endocrine-based therapy in the metastatic setting; **OR**
  - ii. The medication will be used as second-line therapy; AND
- F. The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve up to 5.4 mg per kg administered as an intravenous infusion not more frequently than once every 3 weeks.

#### 3. Breast Cancer – Hormone Receptor-Negative, HER2-Low or Ultra-Low Disease.

- A. Patient is  $\geq$  18 years of age; **AND**
- B. Patient has recurrent, unresectable, or metastatic disease; AND
- C. Patient has hormone receptor (HR)-negative disease; AND
- D. The disease is negative for germline BRCA 1/2 mutation; AND
- E. Patient has human epidermal growth factor receptor 2 (HER2)-low or HER2-ultra-low disease as shown by immunohistochemistry [IHC] 0+, 1+, 2+ or in situ hybridization [ISH] negative; **AND**

- F. Patient meets ONE of the following (i **OR** ii):
  - i. The medication is considered for first-line therapy after the disease has progressed during or within 6 months after completing adjuvant chemotherapy; **OR**
  - ii. The medication is used in the subsequent therapy setting (second- or later-line).
- G. The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve up to 5.4 mg per kg administered as an intravenous infusion not more frequently than once every 3 weeks.

#### 4. Gastric or Gastroesophageal Junction Cancer.

- A. Patient is ≥ 18 years of age; AND
- B. Patient has human epidermal growth factor receptor 2 (HER2)-positive disease (immunohistochemistry [IHC] 3+ or IHC 2+/in situ hybridization [ISH] positive); AND
- C. Patient has received at least one prior trastuzumab-based regimen; AND
- D. The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve up to 6.4 mg per kg administered as an intravenous infusion not more frequently than once every 3 weeks.

#### 5. Non-Small Cell Lung Cancer.

- A. Patient is ≥ 18 years of age; AND
- B. Patient has unresectable or metastatic disease; AND
- C. The disease has activating human epidermal growth factor receptor 2 (HER2) mutations; AND
- D. Patient has tried at least one prior systemic therapy; AND
- E. The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve up to 5.4 mg per kg administered as an intravenous infusion not more frequently than once every 3 weeks.

#### 6. Solid Tumors

<u>Note</u>: Examples include bladder cancer, biliary tract cancer, cervical cancer, colorectal cancer, endometrial cancer, ovarian cancer, pancreatic cancer, salivary gland tumors.

- A. Patient is ≥ 18 years of age; AND
- B. Patient has unresectable or metastatic disease; AND
- C. Patient has human epidermal growth factor receptor 2 (HER2)-positive disease (immunohistochemistry [IHC] 3+); **AND**
- D. Patient has received prior systemic treatment; AND
- E. According to the prescriber, there are no satisfactory alternative treatment options; AND
- F. The medication is prescribed by or in consultation with an oncologist.

**Dosing.** Approve up to 5.4 mg per kg administered as an intravenous infusion not more frequently than once every 3 weeks.

#### II. Renewal Criteria

Coverage can be renewed based upon the following criteria:

- 1. Patient continues to meet initial approval criteria; AND
- 2. Tumor response with stabilization of disease or decrease in size of tumor or tumor spread; AND
- 3. Absence of unacceptable toxicity from the drug. Examples of unacceptable toxicity include the following: cardiotoxicity (i.e. left ventricular dysfunction, cardiomyopathy); pulmonary toxicity (i.e. pneumonitis); neutropenia; infusion-related reactions; etc.; **AND**
- 4. Left ventricular ejection fraction (LVEF) has not had an absolute decrease of more than 20% from baseline and is within normal limits

# **Applicable Procedure Codes**

| Code  | Description  |
|-------|--|
| J9358 | Injection, fam-trastuzumab deruxtecan-nxki, 1 mg (Enhertu) |

## **Applicable NDCs**

| Code          | Description                     |
|---------------|---------------------------------|
| 65597-0406-01 | Enhertu 100 mg single-dose vial |

# **ICD-10 Diagnoses**

| Code   | Description  |
|--------|--|
| C16.0  | Malignant neoplasm of cardia   |
| C16.1  | Malignant neoplasm of fundus of stomach                                  |
| C16.2  | Malignant neoplasm of body of stomach                                    |
| C16.3  | Malignant neoplasm of pyloric antrum                                     |
| C16.4  | Malignant neoplasm of pylorus  |
| C16.5  | Malignant neoplasm of lesser curvature of stomach, unspecified           |
| C16.6  | Malignant neoplasm of greater curvature of stomach, unspecified          |
| C16.8  | Malignant neoplasm of overlapping sites of stomach                       |
| C16.9  | Malignant neoplasm of stomach, unspecified                               |
| C33    | Malignant neoplasm of trachea  |
| C34.00 | Malignant neoplasm of unspecified main bronchus                          |
| C34.01 | Malignant neoplasm of right main bronchus                                |
| C34.02 | Malignant neoplasm of left main bronchus                                 |
| C34.10 | Malignant neoplasm of upper lobe, unspecified bronchus or lung           |
| C34.11 | Malignant neoplasm of upper lobe, right bronchus or lung                 |
| C34.12 | Malignant neoplasm of upper lobe, left bronchus or lung                  |
| C34.2  | Malignant neoplasm of middle lobe, bronchus or lung                      |
| C34.30 | Malignant neoplasm of lower lobe, unspecified bronchus or lung           |
| C34.31 | Malignant neoplasm of lower lobe, right bronchus or lung                 |
| C34.32 | Malignant neoplasm of lower lobe, left bronchus or lung                  |
| C34.80 | Malignant neoplasm of overlapping sites of unspecified bronchus and lung |
| C34.81 | Malignant neoplasm of overlapping sites of right bronchus and lung       |
| C34.82 | Malignant neoplasm of overlapping sites of left bronchus and lung        |
| C34.90 | Malignant neoplasm of unspecified part of unspecified bronchus or lung   |
| C34.91 | Malignant neoplasm of unspecified part of right bronchus or lung         |
| C34.92 | Malignant neoplasm of unspecified part of left bronchus or lung          |

| C43.52  | Malignant melanoma of skin of breast                                    |
|---------|---|
| C44.501 | Unspecified malignant neoplasm of skin of breast                        |
| C44.511 | Basal cell carcinoma of skin of breast                                  |
| C44.521 | Squamous cell carcinoma of skin of breast                               |
| C44.591 | Other specified malignant neoplasm of skin of breast                    |
| C50.011 | Malignant neoplasm of nipple and areola, right female breast            |
| C50.012 | Malignant neoplasm of nipple and areola, left female breast             |
| C50.019 | Malignant neoplasm of nipple and areola, unspecified female breast      |
| C50.021 | Malignant neoplasm of nipple and areola, right male breast              |
| C50.022 | Malignant neoplasm of nipple and areola, left male breast               |
| C50.029 | Malignant neoplasm of nipple and areola, unspecified male breast        |
| C50.111 | Malignant neoplasm of central portion of right female breast            |
| C50.112 | Malignant neoplasm of central portion of left female breast             |
| C50.119 | Malignant neoplasm of central portion of unspecified female breast      |
| C50.121 | Malignant neoplasm of central portion of right male breast              |
| C50.122 | Malignant neoplasm of central portion of left male breast               |
| C50.129 | Malignant neoplasm of central portion of unspecified male breast        |
| C50.211 | Malignant neoplasm of upper-inner quadrant of right female breast       |
| C50.212 | Malignant neoplasm of upper-inner quadrant of left female breast        |
| C50.219 | Malignant neoplasm of upper-inner quadrant of unspecified female breast |
| C50.221 | Malignant neoplasm of upper-inner quadrant of right male breast         |
| C50.222 | Malignant neoplasm of upper-inner quadrant of left male breast          |
| C50.229 | Malignant neoplasm of upper-inner quadrant of unspecified male breast   |
| C50.311 | Malignant neoplasm of lower-inner quadrant of right female breast       |
| C50.312 | Malignant neoplasm of lower-inner quadrant of left female breast        |
| C50.319 | Malignant neoplasm of lower-inner quadrant of unspecified female breast |
| C50.321 | Malignant neoplasm of lower-inner quadrant of right male breast         |
| C50.322 | Malignant neoplasm of lower-inner quadrant of left male breast          |
| C50.329 | Malignant neoplasm of lower-inner quadrant of unspecified male breast   |
| C50.411 | Malignant neoplasm of upper-outer quadrant of right female breast       |
| C50.412 | Malignant neoplasm of upper-outer quadrant of left female breast        |
| C50.419 | Malignant neoplasm of upper-outer quadrant of unspecified female breast |
| C50.421 | Malignant neoplasm of upper-outer quadrant of right male breast         |
| C50.422 | Malignant neoplasm of upper-outer quadrant of left male breast          |
| C50.429 | Malignant neoplasm of upper-outer quadrant of unspecified male breast   |
| C50.511 | Malignant neoplasm of lower-outer quadrant of right female breast       |

| C50.512 | Malignant neoplasm of lower-outer quadrant of left female breast        |
|---------|---|
| C50.519 | Malignant neoplasm of lower-outer quadrant of unspecified female breast |
| C50.521 | Malignant neoplasm of lower-outer quadrant of right male breast         |
| C50.522 | Malignant neoplasm of lower-outer quadrant of left male breast          |
| C50.529 | Malignant neoplasm of lower-outer quadrant of unspecified male breast   |
| C50.611 | Malignant neoplasm of axillary tail of right female breast              |
| C50.612 | Malignant neoplasm of axillary tail of left female breast               |
| C50.619 | Malignant neoplasm of axillary tail of unspecified female breast        |
| C50.621 | Malignant neoplasm of axillary tail of right male breast                |
| C50.622 | Malignant neoplasm of axillary tail of left male breast                 |
| C50.629 | Malignant neoplasm of axillary tail of unspecified male breast          |
| C50.811 | Malignant neoplasm of overlapping sites of right female breast          |
| C50.812 | Malignant neoplasm of overlapping sites of left female breast           |
| C50.819 | Malignant neoplasm of overlapping sites of unspecified female breast    |
| C50.821 | Malignant neoplasm of overlapping sites of right male breast            |
| C50.822 | Malignant neoplasm of overlapping sites of left male breast             |
| C50.829 | Malignant neoplasm of overlapping sites of unspecified male breast      |
| C50.911 | Malignant neoplasm of unspecified site of right female breast           |
| C50.912 | Malignant neoplasm of unspecified site of left female breast            |
| C50.919 | Malignant neoplasm of unspecified site of unspecified female breast     |
| C50.921 | Malignant neoplasm of unspecified site of right male breast             |
| C50.922 | Malignant neoplasm of unspecified site of left male breast              |
| C50.929 | Malignant neoplasm of unspecified site of unspecified male breast       |
| Z85.3   | Personal history of malignant neoplasm of breast                        |
| Z85.028 | Personal history of other malignant neoplasm of stomach                 |
| Z85.118 | Personal history of other malignant neoplasm of bronchus and lung       |

## **Revision History**

| Company(ies)                   | DATE     | REVISION   |
|--------------------------------|----------|--|
| EmblemHealth &<br>ConnectiCare | 4/4/2025 | Annual Review:  Breast Cancer – HER2-Positive Disease. Added qualifier "HER2-positive disease" to indication. Deleted criteria for HER2-low disease since it is now addressed separately.  Breast Cancer – Hormone Receptor-Positive, HER2-Low or Ultra-Low Disease.  Added new approval condition and criteria for HER2 ultra-low disease. Separated criteria for HER2-low disease from "HER2-Positive Disease" indication above.  Breast Cancer – Hormone Receptor-Negative, HER2-Low or Ultra-Low Disease.  Added new approval condition and criteria for HER2 ultra-low disease. Separated criteria for HR negative, HER2-low disease from "HER2-Positive Disease" indication above.  Solid Tumors: Added new FDA-approved indication and approval criteria. |

|                                |            | Updated diagr  | nosis codes  |
|--------------------------------|------------|--|--|
| EmblemHealth &<br>ConnectiCare | 3/18/2024  | Annual Reviev  | v: No criteria changes   |
| EmblemHealth &<br>ConnectiCare | 07/06/2023 | Annual Review: <a href="Initial Approval Criteria">Initial Approval Criteria</a> : Removed "3. Patient's cancer is human epidermal growth factor receptor 2 (HER2)-positive" and moved it under Breast Cancer. <a href="Breast Cancer">Breast Cancer</a> : Initial Criteria Removed "Patient has received 2 or more prior anti-HER2-based regimens in the metastatic setting."  Added "Patient's cancer is human epidermal growth factor receptor 2 (HER2)-positive; |  |
|                                |            | AND Patient has rece i. in   | eived a prior anti-HER2-based regimen either:  the metastatic setting; <b>OR</b> |
|                                |            | <ul> <li>ii. in the neoadjuvant or adjuvant setting and have developed disease<br/>recurrence during or within six months of completing therapy."</li> <li>Added: HER2-Low Metastatic Breast Cancer Indication, Unresectable or Metastatic<br/>HER2-Mutant Non-Small Cell Lung Cancer Indication and Locally Advanced or Meta</li> </ul>   |  |
|                                |            | Gastric Cancer I Updated dosing Added Codes:   | ; chart  |
|                                |            | C16.1  | Malignant neoplasm of fundus of stomach  |
|                                |            | C16.2  | Malignant neoplasm of body of stomach  |
|                                |            | C16.3  | Malignant neoplasm of pyloric antrum   |
|                                |            | C16.4  | Malignant neoplasm of pylorus  |
|                                |            | C16.5  | Malignant neoplasm of lesser curvature of stomach, unspecified                   |
|                                |            | C16.6  | Malignant neoplasm of greater curvature of stomach, unspecified                  |
|                                |            | C16.8  | Malignant neoplasm of overlapping sites of stomach                               |
|                                |            | C16.9  | Malignant neoplasm of stomach, unspecified                                       |
|                                |            | C34.00   | Malignant neoplasm of unspecified main bronchus                                  |
|                                |            | C34.01   | Malignant neoplasm of right main bronchus  |
|                                |            | C34.02   | Malignant neoplasm of left main bronchus   |
|                                |            | C34.10   | Malignant neoplasm of upper lobe, unspecified bronchus or lung                   |
|                                |            | C34.11   | Malignant neoplasm of upper lobe, right bronchus or lung                         |
|                                |            | C34.12   | Malignant neoplasm of upper lobe, left bronchus or lung                          |
|                                |            | C34.2  | Malignant neoplasm of middle lobe, bronchus or lung                              |
|                                |            | C34.30   | Malignant neoplasm of lower lobe, unspecified bronchus or lung                   |
|                                |            | C34.31   | Malignant neoplasm of lower lobe, right bronchus or lung                         |
|                                |            | C34.32   | Malignant neoplasm of lower lobe, left bronchus or lung                          |
|                                |            | C34.80   | Malignant neoplasm of overlapping sites of unspecified bronchus and lung         |
|                                |            | C34.81   | Malignant neoplasm of overlapping sites of right bronchus and lung               |
|                                |            | C34.82   | Malignant neoplasm of overlapping sites of left bronchus and lung                |
|                                |            | C34.90   | Malignant neoplasm of unspecified part of unspecified bronchus or lung           |
|                                |            | C34.91   | Malignant neoplasm of unspecified part of right bronchus or lung                 |
|                                |            | C34.92   | Malignant neoplasm of unspecified part of left bronchus or lung                  |
|                                |            | C78.00   | Secondary malignant neoplasm of unspecified lung                                 |
|                                |            | C78.01   | Secondary malignant neoplasm of right lung                                       |

|                                |            | C78.02  | Secondary malignant neoplasm of left lung                         |
|--------------------------------|------------|---|---|
|                                |            | Z85.028   | Personal history of other malignant neoplasm of stomach           |
|                                |            | Z85.118   | Personal history of other malignant neoplasm of bronchus and lung |
| EmblemHealth & ConnectiCare    | 04/21/2022 | Transferred policy to new template  |   |
| EmblemHealth & ConnectiCare    | 06/11/2020 | Added J-Code (J9358) Injection, fam-trastuzumab deruxtecan-nxki, 1 mg (Enhertu). Effective Date: 07/01/2020 |   |
| EmblemHealth &<br>ConnectiCare | 04/06/2020 | New Medical Policy  |   |

#### References

- 1. Product Information: ENHERTU® intravenous injection, fam-trastuzumab deruxtecan-nxki intravenous injection. Daiichi Sankyo Inc (per FDA), Basking Ridge, NJ, 2019.
- 2. NIOSH: The National Institute for Occupational Safety and Health (NIOSH): NIOSH list of antineoplastic and other hazardous drugs in healthcare settings, 2016. National Institute for Occupational Safety and Health (NIOSH). Cincinnati, OH. 2020. Available from URL: https://www.cdc.g... . As accessed 2020-03-20.
- 3. Centers for Disease Control and Prevention (CDC): NIOSH list of antineoplastic and other hazardous drugs in healthcare settings, 2016. Centers for Disease Control and Prevention (CDC). Atlanta, GA. 2016. Available from URL: http://www.cdc.go... . As accessed 2016-11-03.