



# Kadcyla® (ado-trastuzumab emtansine) (Intravenous)

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## I. Length of Authorization 1,7,15

Coverage will be provided for 6 months and may be renewed (unless otherwise specified).

• Adjuvant treatment in breast cancer is limited to 14 cycles (42 weeks total). (May be given for up to 17 cycles in patients who did not receive preoperative therapy).

## **II.** Dosing Limits

### A. Quantity Limit (max daily dose) [NDC Unit]:

- Kadcyla 100 mg single-dose vial: 1 vial every 21 days
- Kadcyla 160 mg single-dose vial: 3 vials every 21 days

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

• 480 billable units every 21 days

## III. Initial Approval Criteria <sup>1</sup>

Coverage is provided in the following conditions:

Patient is at least 18 years of age; AND

#### Universal Criteria <sup>1</sup>

- Left ventricular ejection fraction (LVEF) is within normal limits prior to initiating therapy and will be assessed at regular intervals (e.g., every 3 months) during treatment; **AND**
- Used as a single agent; **AND**
- Therapy will not be substituted with or for any trastuzumab-based formulation (i.e., trastuzumab [or trastuzumab biosimilar product], fam-trastuzumab deruxtecan-nxki, trastuzumab-hyaluronidase, pertuzumab/trastuzumab and hyaluronidase-zzxf, etc.); AND



#### Breast Cancer † ‡ 1-4,7,31e

- Patient has human epidermal growth factor receptor 2 (HER2)-positive\* disease as determined by an FDA-approved or CLIA-compliant test\*; AND
  - o Used as adjuvant therapy; AND
    - Patient has early breast cancer with residual invasive disease after neoadjuvant taxane and trastuzumab-based therapy †; OR
  - o Patient has metastatic or recurrent unresectable disease; AND
    - Patient previously received trastuzumab and a taxane, separately or in combination; AND
    - Used as second-line therapy and beyond; OR
  - Patient has metastatic disease that recurred during or within 6 months of completing adjuvant therapy †; AND
    - Patient previously received trastuzumab and a taxane, separately or in combination

## Central Nervous System (CNS) Cancer ‡ 2,13,32e

- Patient has human epidermal growth factor receptor 2 (HER2)-positive\* disease as determined by an FDA-approved or CLIA-compliant test\*; AND
- Used for the treatment of brain metastases in patients with breast cancer; AND
- Prior treatment for breast cancer included both chemotherapy and HER2-directed therapy;
   AND
- Used for one of the following:
  - Initial treatment in patients with small asymptomatic brain metastases
  - Relapsed limited brain metastases with either stable systemic disease or reasonable systemic treatment options
  - Recurrent limited brain metastases
  - Recurrent extensive brain metastases with stable systemic disease or reasonable systemic treatment options

## Non-Small Cell Lung Cancer (NSCLC) ‡ 2,5,11

- Patient has ERBB2 (HER2) mutation positive disease as determined by an FDA-approved or CLIA-complaint test\*; AND
- Patient has recurrent, advanced, or metastatic disease (excluding locoregional recurrence or symptomatic local disease without evidence of disseminated disease) or mediastinal lymph node recurrence with prior radiation therapy; AND
- Patient has non-squamous histology; AND
- Used as subsequent therapy



#### \*HER2-positive overexpression criteria:

#### Breast and CNS Cancer: 7,8,14

- Immunohistochemistry (IHC) assay 3+; **OR**
- Dual-probe in situ hybridization (ISH) assay HER2/CEP17 ratio ≥ 2.0 AND average HER2 copy number ≥ 4.0 signals/cell; OR
- Dual-probe in situ hybridization (ISH) assay AND concurrent IHC indicating one of the following:
  - $\circ$  HER2/CEP17 ratio  $\geq$  2.0 AND average HER2 copy number < 4.0 signals/cell AND concurrent IHC 3+;  $\mathbf{OR}$
  - HER2/CEP17 ratio < 2.0 AND average HER2 copy number  $\geq$  6.0 signals/cell AND concurrent IHC 2+ or 3+; **OR**
  - $\circ~$  HER2/CEP17 ratio < 2.0 AND average HER2 copy number  $\geq 4.0$  and < 6.0 signals/cell AND concurrent IHC 3+

Preferred therapies and recommendations are determined by review of clinical evidence. NCCN category of recommendation is taken into account as a component of this review. Regimens deemed equally efficacious (i.e., those having the same NCCN categorization) are considered to be therapeutically equivalent.

- ♦ If confirmed using an immunotherapy assay-http://www.fda.gov/companiondiagnostics
- † FDA Approved Indication(s); ‡ Compendia Recommended Indication(s); ♠ Orphan Drug

#### IV. Renewal Criteria 1,5

Coverage may be renewed based upon the following criteria:

- Patient continues to meet the universal and other indication-specific relevant criteria such
  as concomitant therapy requirements (not including prerequisite therapy), performance
  status, etc. identified in section III; AND
- Disease response with treatment as defined by stabilization of disease or decrease in size of tumor or tumor spread; AND
- Absence of unacceptable toxicity from the drug. Examples of unacceptable toxicity include: left ventricular dysfunction, hepatotoxicity, pulmonary toxicity (i.e., interstitial lung disease, pneumonitis), thrombocytopenia, neurotoxicity, infusion-related and hypersensitivity reactions, hemorrhage, extravasation at infusion site, etc.; **AND**
- Left ventricular ejection fraction (LVEF) obtained within the previous 3 months as follows:
  - Metastatic or Recurrent Breast Cancer: LVEF is >45% OR LVEF is 40% to ≤45% and <u>absolute</u> decrease is <10% from baseline; **OR**
  - All other indications: LVEF is  $\geq 50\%$  OR LVEF is 45% to <50% and <u>absolute</u> decrease is <10% from baseline; **AND**

Breast Cancer (adjuvant treatment) 1,7,15

Magellan Rx

• Patient has not exceeded a maximum of 14 cycles of therapy (42 weeks total). (May be given for up to 17 cycles in patients who did not receive preoperative therapy).

## V. Dosage/Administration <sup>1,5,12,13</sup>

| Indication  | Dose   |  |
|---|--|--|
| Breast Cancer (adjuvant treatment)                                    | Administer 3.6 mg/kg given as an intravenous infusion every 3 weeks (21-day cycle) for up to 14 cycles unless there is disease recurrence or unmanageable toxicity.  *May be given for up to 17 cycles in patients who did not receive preoperative therapy. |  |
| Breast Cancer (all other<br>treatment settings), CNS<br>Cancer, NSCLC | Administer 3.6 mg/kg given as an intravenous infusion every 3 weeks (21-day cycle) until disease progression or unacceptable toxicity  |  |

## VI. Billing Code/Availability Information

#### **HCPCS Code**:

J9354 – Injection, ado-trastuzumab emtansine, 1 mg; 1 billable unit = 1 mg

#### NDC(s):

- Kadcyla 100 mg single-dose vial: 50242-0088-xx
- Kadcyla 160 mg single-dose vial: 50242-0087-xx

## VII. References (STANDARD)

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## **Appendix 1 – Covered Diagnosis Codes**

| ICD-10  | ICD-10 Description   |  |
|---------|--|--|
| 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          |  |
| 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   |  |
| C79.31  | Secondary malignant neoplasm of brain                               |  |
| Z85.118 | Personal history of other malignant neoplasm of bronchus and lung   |  |
| Z85.3   | Personal history of malignant neoplasm of breast                    |  |

## Appendix 2 – Centers for Medicare and Medicaid Services (CMS)

Medicare coverage for outpatient (Part B) drugs is outlined in the Medicare Benefit Policy Manual (Pub. 100-2), Chapter 15, §50 Drugs and Biologicals. In addition, National Coverage Determination (NCD), Local Coverage Determinations (LCDs), and Local Coverage Articles (LCAs) may exist and compliance with these policies is required where applicable. They can be found at: <a href="https://www.cms.gov/medicare-coverage-database/search.aspx">https://www.cms.gov/medicare-coverage-database/search.aspx</a>. Additional indications may be covered at the discretion of the health plan.

Medicare Part B Covered Diagnosis Codes (applicable to existing NCD/LCD/LCA): N/A

| Medicare Part B Administrative Contractor (MAC) Jurisdictions |   |   |  |  |
|---|---|---|--|--|
| Jurisdiction  | Applicable State/US Territory   | Contractor  |  |  |
| E (1)   | CA, HI, NV, AS, GU, CNMI  | Noridian Healthcare Solutions, LLC                |  |  |
| F (2 & 3)   | AK, WA, OR, ID, ND, SD, MT, WY, UT, AZ  | Noridian Healthcare Solutions, LLC                |  |  |
| 5   | KS, NE, IA, MO  | Wisconsin Physicians Service Insurance Corp (WPS) |  |  |
| 6   | MN, WI, IL  | National Government Services, Inc. (NGS)          |  |  |
| H (4 & 7)   | LA, AR, MS, TX, OK, CO, NM  | Novitas Solutions, Inc.                           |  |  |
| 8   | MI, IN  | Wisconsin Physicians Service Insurance Corp (WPS) |  |  |
| N (9)   | FL, PR, VI  | First Coast Service Options, Inc.                 |  |  |
| J (10)  | TN, GA, AL  | Palmetto GBA, LLC                                 |  |  |
| M (11)  | NC, SC, WV, VA (excluding below)  | Palmetto GBA, LLC                                 |  |  |
| L (12)  | DE, MD, PA, NJ, DC (includes Arlington & Fairfax counties and the city of Alexandria in VA) | Novitas Solutions, Inc.                           |  |  |
| K (13 & 14)   | NY, CT, MA, RI, VT, ME, NH  | National Government Services, Inc. (NGS)          |  |  |
| 15  | KY, OH  | CGS Administrators, LLC                           |  |  |

