**POLICY:** Oncology (Injectable) – Kyprolis (carfilzomib injection for intravenous use – Amgen/Onyx

Pharmaceuticals)

**DATE REVIEWED:** 02/26/2020

#### **OVERVIEW**

Kyprolis is an irreversible proteasome inhibitor that inhibits proteasome activity in blood and tissue and delays tumor growth. It is indicated for treatment of multiple multiple myeloma in the following situations:

- 1. for <u>relapsed or refractory</u> multiple myeloma, in combination with dexamethasome ± Revlimid<sup>®</sup> (lenalidomide capsules) in patients who have received one to three lines of previous therapy; AND
- 2. for <u>relapsed or refractory</u> multiple myeloma, as a single agent for the treatment of those who have received one or more lines of therapy.

Safety and efficacy is not established in patients < 18 years of age.

## **Guidelines**

The NCCN Multiple Myeloma clinical practice guidelines (version 2.2020 – October 9,2020) recommend Kyprolis in treatment regimens for patients who are transplant and non-transplant candidates. Kyprolis/Revlimid/dexamethasone is recommended as an Other Recommended Regimen for primary treatment in transplant candidates. In non-transplant candidates, Kyprolis/dexamethasone plus Revlimid or cyclophosphamide is a recommended Other Recommended Regimen for primary treatment. For previously treated multiple myeloma, Kyprolis/dexamethasone/Revlimid is among the Preferred regimens, whereas Kyprolis/dexamethasone  $\pm$  cyclophosphamide, Kyprolis/Farydak (panobinostat capsules), and Kyprolis/dexamethasone/Pomalyst (pomalidomide capsules) are listed as Other Recommended Regimens.

In NCCN guidelines for Waldenstrom's Macroglobulinemia/Lymphoplasmacytic Lympohoma (version 2.2019), Kyprolis/Rituxan (rituximab infusion)/dexamethasone is listed among other recommended regimens for primary treatment of Waldenstrom's Magroglobulinemia/lymphoplasmacytic lymphoma.<sup>4</sup>

### **POLICY STATEMENT**

Prior authorization is recommended for prescription benefit coverage of Kyprolis. Because of the specialized skills required for evaluation and diagnosis of patients treated with Kyprolis as well as the monitoring required for adverse events and long-term efficacy, approval requires Kyprolis to be prescribed by or in consultation with a physician who specializes in the condition being treated. All approvals are provided for the duration noted below.

Automation: None.



### RECOMMENDED AUTHORIZATION CRITERIA

Coverage of Kyprolis is recommended in those who meet the following criteria:

## **FDA-Approved Indications**

- 1. Multiple Myeloma. Approve for 1 year if the patient meets BOTH of the following (A and B):
  - **A)** The patient meets ONE of the following (i or ii):
    - i. Kyprolis will be used in combination with Revlimid (lenalidomide capsules) and dexamethazone OR
    - ii. The patient has received at least ONE prior regimen for multiple myeloma. Note: Examples include regimens containing Velcade (bortezomib injection), Revlimid (lenalidomide capsules), Darzalex (daratumumab injection), Ninlaro (ixazomib capsules); AND
  - **B)** The agent is prescribed by or in consultation with an oncologist or a hematologist.

## Other Uses with Supportive Evidence

- **2. Waldenstrom's Macroglobulinemia/Lymphoplasmacytic Lymphoma.** Approve for 1 year if the patient meets BOTH of the following (A and B):
  - A) The agent will be used in combination with a rituximab product and dexamethasone; AND
  - **B**) The agent is prescribed by or in consultation with an oncologist or a hematologist.

## CONDITIONS NOT RECOMMENDED FOR APPROVAL

Kyprolis has not been shown to be effective, or there are limited or preliminary data or potential safety concerns that are not supportive of general approval for the following conditions.

1. Coverage is not recommended for circumstances not listed in the Recommended Authorization Criteria. Criteria will be updated as new published data are available.

#### REFERENCES

- Kyprolis<sup>®</sup> injection for intravenous use [prescribing information]. Onyx Pharmaceuticals/Amgen: Thousand Oaks, CA.; October 2019
- 2. The NCCN Drugs and Biologics Compendium. © 2020 National Comprehensive Cancer Network, Inc. Available at: http://www.nccn.org. Accessed on February 17, 2019. Search term: carfilzomib.
- 3. The NCCN Multiple Myeloma Clinical Practice Guidelines in Oncology (Version 2.2020 October 9, 2020). © 2019 National Comprehensive Cancer Network, Inc. Available at: <a href="http://www.nccn.org">http://www.nccn.org</a>. Accessed on February 17, 2020.
- The NCCN Waldenstrom's Macroglobulinemia/Lymphoplasmacytic Lymphoma Clinical Practice Guidelines in Oncology (Version 1.2020 – December 6, 2019). © 2020 National Comprehensive Cancer Network, Inc. Available at: <a href="http://www.nccn.org">http://www.nccn.org</a>. Accessed February 18, 2020.
- 5. Treon SP, Tripsas CK, Meid K, et al. Carfilzomib, rituximab, and dexamethasone (CaRD) treatment offers a neuropathy-sparing approach for treating Waldenström's macroglobulinemia. *Blood*. 2014;124(4):503-510.

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customerservice@preferredone.com

You can file a grievance in person or by mail, fax, or email. If you need help filing a grievance, a Grievance Specialist is available to help you.

You can also file a civil rights complaint with the U.S. Department of Health and Human Services, Office for Civil Rights, electronically through the Office for Civil Rights Complaint Portal, available at https://ocrportal.hhs.gov/ocr/portal/lobby.jsf, or by mail or phone at:

U.S. Department of Health and Human Services 200 Independence Avenue, SW Room 509F, HHH Building Washington, D.C. 20201 1-800-368-1019, 800-537-7697 (TDD)

Complaint forms are available at http://www.hhs.gov/ocr/office/file/index.html.

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