

Reference number(s)
2233-C

SPECIALTY GUIDELINE MANAGEMENT

VELCADE (bortezomib) bortezomib

POLICY

I. INDICATIONS

The indications below including FDA-approved indications and compendial uses are considered a covered benefit provided that all the approval criteria are met and the member has no exclusions to the prescribed therapy.

A. FDA-Approved Indications

1. Treatment of adult patients with multiple myeloma
2. Treatment of adult patients with mantle cell lymphoma

B. Compendial Uses

1. Systemic light chain amyloidosis
2. Waldenström macroglobulinemia/lymphoplasmacytic lymphoma
3. Multicentric Castleman disease
4. Adult T-cell leukemia/lymphoma
5. Antibody mediated rejection of solid organ
6. Acute lymphoblastic leukemia
7. Follicular lymphoma
8. Kaposi sarcoma
9. Classic Hodgkin Lymphoma
10. POEMS (polyneuropathy, organomegaly, endocrinopathy, monoclonal protein, skin changes) Syndrome

All other indications are considered experimental/investigational and not medically necessary.

II. CRITERIA FOR INITIAL APPROVAL

A. **Multiple myeloma**

Authorization of 12 months may be granted for the treatment of multiple myeloma.

B. **Mantle cell lymphoma**

Authorization of 12 months may be granted for the treatment of mantle cell lymphoma.

C. **Multicentric Castleman disease**

Authorization of 12 months may be granted for the treatment of multicentric Castleman disease as subsequent therapy.

D. **Systemic light chain amyloidosis**

Authorization of 12 months may be granted for the treatment of systemic light chain amyloidosis.

E. **Waldenström macroglobulinemia/lymphoplasmacytic lymphoma**

Authorization of 12 months may be granted for the treatment of Waldenström macroglobulinemia/lymphoplasmacytic lymphoma.

Reference number(s)
2233-C

F. Adult T-cell Leukemia/Lymphoma

Authorization of 12 months may be granted for the treatment of adult T-cell leukemia/lymphoma when the requested medication will be used as a single agent for subsequent therapy.

G. Antibody mediated rejection of solid organ

Authorization of 12 months may be granted for the treatment of antibody mediated rejection of solid organ.

H. Acute lymphoblastic leukemia

Authorization of 12 months may be granted for the treatment of relapsed or refractory acute lymphoblastic leukemia.

I. Follicular Lymphoma

Authorization of 12 months may be granted for the treatment of relapsed or refractory follicular lymphoma.

J. Kaposi sarcoma

Authorization of 12 months may be granted for the treatment of Kaposi sarcoma as subsequent therapy.

K. Classic Hodgkin Lymphoma

Authorization of 12 months may be granted for the treatment of relapsed or refractory Classic Hodgkin Lymphoma.

L. POEMS (polyneuropathy, organomegaly, endocrinopathy, monoclonal protein, skin changes) Syndrome

Authorization of 12 months may be granted for treatment of POEMS syndrome in combination with dexamethasone.

III. DOSAGE AND ADMINISTRATION

Approvals may be subject to dosing limits in accordance with FDA-approved labeling, accepted compendia, and/or evidence-based practice guidelines.

For all indications, dosing does not exceed 1.6 mg/m² per dose and does not require more than 7 doses per 30-day period.

IV. CONTINUATION OF THERAPY

Authorization of 12 months may be granted for continued treatment in members requesting reauthorization for an indication listed in Section II when there is no evidence of unacceptable toxicity or disease progression while on the current regimen.

V. REFERENCES

1. Velcade [package insert]. Cambridge, MA: Millennium Pharmaceuticals, Inc.; August 2022.
2. bortezomib [package insert]. Lake Zurich, IL: Fresenius Kabi; March 2022.
3. The NCCN Drugs & Biologics Compendium® © 2022 National Comprehensive Cancer Network, Inc. <http://www.nccn.org>. Accessed October 7, 2022.
4. Ejaz NS, Alloway RR, Halleck F, et al. Review of bortezomib treatment of antibody-mediated rejection in renal transplantation. *Antioxid Redox Signal*. 2014;21(17):2401-2418.
5. Blanco B, Sanchez-Abarca LI, Caballero-Velazquez T, et al. Depletion of alloreactive T-cells in vitro using the proteasome inhibitor bortezomib preserves the immune response against pathogens. *Leuk Res*. 2011;35(10):1412-1415.

Reference number(s)
2233-C

6. Claes DJ, Yin H, Goebel J. Protective immunity and use of bortezomib for antibody-mediated rejection in a pediatric kidney transplant recipient. *Pediatr Transplant*. 2014;18(4):E100-E105.
7. Lexicomp Online, Lexi-Drugs Online. Waltham, MA: UpToDate, Inc.; Updated September 24, 2022. <https://online.lexi.com>. Accessed October 7, 2022.
8. DRUGDEX[®] System (electronic version). Micromedex Truven Health Analytics, Greenwood Village, Colorado, USA. Available at: <http://www.micromedexsolutions.com>. Accessed October 7, 2022.