Blincyto™ (blinatumomab)

Medical Guideline Disclaimer

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Definitions

Blincyto (blinatumomab) is a bispecific T-cell engager designed to promote the lysis of cancer cells by binding simultaneously with both the CD3 protein on cytotoxic T-cells and the CD19 protein, a B-cell specific lymphocyte antigen expressed in specific types of acute lymphocytic leukemia (ALL).

Dosing

Max units (per dose and over time)

- ALL, relapsed or refractory:
  - Induction (cycle 1): 9 billable units per day on day 1-7, and 28 billable units per day on day 8-28 of a 42 day cycle
  - Induction (cycle 2): 28 billable units per day on day 1-28 of a 42 day cycle
  - Consolidation (cycle 3-5): 28 billable units per day on day 1-28 of a 42 day cycle
  - Continuation (cycle 6-9): 28 billable units per day on day 1-28 of an 84 day cycle
- ALL, MRD+:
  - Induction (cycle 1): 28 billable units per day on day 1-28 of a 42 day cycle
  - Consolidation (cycle 2-4): 28 billable units per day on day 1-28 of a 42 day cycle

Guideline

Blincyto (blinatumomab) is considered medically necessary for the following diagnoses when the subsequent criteria are met:

- B-cell precursor acute lymphocytic leukemia (ALL), relapsed or refractory:
  - Patient’s disease is CD19+; AND
Patient's disease is Philadelphia chromosome-negative OR Philadelphia chromosome-positive and refractory to tyrosine kinase inhibitor (TKI) therapy; AND
Blincyto will be administered as a single-agent; AND
There is no evidence of active central nervous system involvement

B-cell precursor acute lymphocytic leukemia (ALL), minimal residual disease (MRD)-positive:
Patient's disease is CD19+; AND
Patient's disease is in first or second complete remission; AND
Patient has minimal residual disease greater than or equal to 0.1%

Coverage for Blincyto (blinatumomab) may be renewed for the following diagnoses when subsequent criteria are met:

B-cell precursor acute lymphocytic leukemia (ALL), relapsed or refractory:
Patient continues to meet initial approval criteria; AND
Disease response or stabilization; AND
Absence of unacceptable toxicity from the drug, including cytokine release syndrome, neurological toxicities, serious infections, pancreatitis, tumor lysis syndrome, neutropenia/febrile neutropenia, elevation of LFTs, leukoencephalopathy.

Limitations/Exclusions

Approval will be granted for 30 weeks for a diagnosis of relapsed or refractory ALL and may be renewed twice for 24 weeks
Approval will be granted for 24 weeks for a diagnosis of MRD+ ALL and may not be renewed

Applicable Procedure Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>J9039</td>
<td>Injection, blinatumomab, 1 microgram</td>
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Applicable Diagnosis Codes

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>C91.00</td>
<td>Acute lymphoblastic leukemia not having achieved remission</td>
</tr>
<tr>
<td>C91.02</td>
<td>Acute lymphoblastic leukemia, in relapse</td>
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Revision History

9/06/2018 – Added coverage for MRD+ ALL, added approval durations, renewal criteria, and dosing
5/01/2018 — “CD19+” descriptive added to refractory B-cell ALL

References


