Topotecan Hydrochloride (Hycamtin)

**Description of Procedure or Service**

Hycamtin (topotecan hydrochloride) is a semi-synthetic derivative of camptothecin and is an anti-tumor drug with topoisomerase I-inhibitory activity.

***Note: This Medical Policy is complex and technical. For questions concerning the technical language and/or specific clinical indications for its use, please consult your physician.***

**Policy**

BCBSNC will provide coverage for Topotecan Hydrochloride (Hycamtin) when it is determined to be medically necessary because the medical criteria and guidelines shown below are met.

**Benefits Application**

This medical policy relates only to the services or supplies described herein. Please refer to the Member’s Benefit Booklet for availability of benefits. Member’s benefits may vary according to benefit design; therefore member benefit language should be reviewed before applying the terms of this medical policy.

**When Topotecan Hydrochloride (Hycamtin) is covered**

Topotecan Hydrochloride (Hycamtin) is considered medically necessary for the treatment of patients with:

- Acute Myeloid Leukemia: Induction therapy in combination with cytarabine for individuals less than 60 years of age with impaired cardiac function (NCCN 2A)

- Bone cancer (NCCN 2A)
  - Ewing’s sarcoma family of tumors (excluding mesenchymal chondrosarcoma), when used in combination with cyclophosphamide, with or without vincristine, with growth factor support, for relapsed or progressive disease
  - Osteosarcoma, as second line therapy in combination with cyclophosphamide, with growth factor support

- Cervical Cancer
  - In combination with cisplatin as first line therapy for recurrent, persistent or metastatic disease not amenable to curative treatment.
  - In combination with paclitaxel with or without bevacizumab for first line treatment of recurrent or metastatic disease. (NCCN 1)
Topotecan Hydrochloride (Hycamtin)

- Lymphoma, primary Central Nervous System (Primary CNS Lymphoma)
  - As a single agent to treat progressive or recurrent disease

- Merkel Cell Skin Cancer
  - To treat distant metastases or disseminated recurrence

- Ovarian cancer, epithelial (includes fallopian tube cancer and primary peritoneal cancer), for recurrent or persistent disease on or after initial or subsequent chemotherapy
  - As a single agent, or
  - In combination with bevacizumab

- Small cell lung cancer:
  - As a single agent, to treat sensitive disease (FDA) or primary progressive disease (NCCN 2A) in patients who progressed after first line chemotherapy;
  - To treat metastatic brain lesions or leptomeningeal metastases

- Soft tissue sarcoma: non-pleomorphic rhabdomyosarcoma, as a single agent or in combination with cyclophosphamide

- Uterine cancer: endometrial carcinoma, as a single agent.

When Topotecan Hydrochloride (Hycamtin) is not covered

Topotecan Hydrochloride (Hycamtin) is considered not medically necessary and therefore not covered when above criteria are not met.

Policy Guidelines

Ovarian cancer and small cell lung cancer: 1.5mg/m2 by intravenous infusion over 30 minutes daily for 5 consecutive days, starting on day one of a 21-day course.

Cervical cancer: 0.75mg/m2 by intravenous infusion over 30 minutes on days 1, 2, and 3 followed by cisplatin 50mg/m2 by intravenous infusion on day 1 repeated every 21 days.

Billing/Coding/Physician Documentation Information

This policy may apply to the following codes. Inclusion of a code in this section does not guarantee that it will be reimbursed. For further information on reimbursement guidelines, please see Administrative Policies on the Blue Cross Blue Shield of North Carolina web site at www.bcbsnc.com. They are listed in the Category Search on the Medical Policy search page.

Applicable service codes: J9351, S0353, S0354

BCBSNC may request medical records for determination of medical necessity. When medical records are requested, letters of support and/or explanation are often useful, but are not sufficient documentation unless all specific information needed to make a medical necessity determination is included.

Scientific Background and Reference Sources

U.S. Food and Drug Administration (FDA). Available at:
http://www.accessdata.fda.gov/drugsatfda_docs/label/2010/020671s016s017lbl.pdf

Gordon AN, Tonda M, Sun S, Rackoff W; Doxil Study 30-49 Investigators. Long-term survival advantage for women treated with pegylated liposomal doxorubicin compared with topotecan in a
**Topotecan Hydrochloride (Hycamtin)**


Medical Director review 9/2016

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**Policy Implementation/Update Information**

12/30/16 New policy developed. Topotecan Hydrochloride (Hycamtin) is considered medically necessary for the treatment of patients with: acute myeloid leukemia, bone cancer, cervical cancer, lymphoma of CNS, Merkel cell skin cancer, small cell lung cancer, soft tissue sarcoma, uterine cancer, endometrial cancer. Reference added. Medical director review 9/2016. Added HCPCS codes S0353, S0354 to Billing/Coding section. Notification given 12/30/16 for effective date 4/1/17. (lpr)

Medical policy is not an authorization, certification, explanation of benefits or a contract. Benefits and eligibility are determined before medical guidelines and payment guidelines are applied. Benefits are determined by the group contract and subscriber certificate that is in effect at the time services are rendered. This document is solely provided for informational purposes only and is based on research of current medical literature and review of common medical practices in the treatment and diagnosis of disease. Medical practices and knowledge are constantly changing and BCBSNC reserves the right to review and revise its medical policies periodically.