



BC Cancer

Clinical Pharmacy Guide

Clinical Assessment of BC Cancer Drug Treatment Protocols

BC Cancer
Division of Pharmacy
Pharmacy Educators
Community Oncology Network

BRITISH COLUMBIA
www.bccancer.bc.ca

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*Module 6 *Radiation Therapy and Dual Modality Protocols* added.

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Original Authors (2003)

Dawn Annable, Shawn Cassidy, Nancy Coady, Alex Stronach

Current Authors

Mandeep K. Bains, Alysha Bharmal, Jackie Buston, Khushminder Rai, Sonia Szombathy

Introduction

The purpose of this guide is to provide recommendations to pharmacists in British Columbia for the clinical assessment and review of cancer drug treatment orders received within their practices. Cancer drug treatment dispensed by BC Cancer Pharmacy involves drugs which inhibit or prevent the proliferation of cancers, including chemotherapy, hormonal therapy, immunotherapy, and targeted therapy. All of the BC Cancer drug treatment protocols are located on the BC Cancer website under the [Chemotherapy Protocols](#) section. This applies to both oral and parenteral dosage forms. Oral cancer drug therapies can be as toxic as parenteral cancer drug therapies. Therefore, they require the same assessment and review process. It is hoped that pharmacists will use this guide to gain a better understanding of BC Cancer drug treatment protocols and recommendations, thereby, enhancing the quality of pharmaceutical care provided to their patients.

These guidelines are based on regional policies and procedures used by the BC Cancer pharmacies, and the following BC Cancer [Systemic Therapy Policies and Procedures](#). Hospitals may need to adapt these guidelines based on the requirements of their patients and institutional policies.

III-10 Policy Systemic Therapy Delivery Process

This policy outlines the responsibilities of prescribers, pharmacists, and nurses for the safe prescribing, preparation, dispensing and administration of cancer drugs.

III-40 Policy and Procedure Systemic Therapy Treatments

This policy explains the rationale for the treatment protocols and defines terms used by the Provincial Systemic Therapy Program. The procedure describes the steps required when proposing a new systemic treatment to be funded by BC Cancer

III-45 Policy Compassionate Access Program

This policy outlines the rules and guiding principles of the BC Cancer Compassionate Access Program (CAP) process that supports access to treatments with restricted funding or for exceptional clinical circumstances.

Learning Objectives

Upon completion of this guide, the pharmacist should be able to:

- Interpret BC Cancer treatment protocols
- Determine the eligibility of a drug for reimbursement by BC Cancer
- Assess cancer drug treatment orders for suitability
- Interpret laboratory results and adjust doses accordingly
- Select appropriate drug delivery methods for cancer drugs
- Identify the toxicities of cancer drugs and discuss options to prevent and minimize toxicity
- Review a patient's medication profile for possible interactions with cancer drugs
- Define the term "benefit status" and identify benefit and non-benefit supportive care medications

The guide begins by providing a didactic section with pertinent information used by the pharmacist to clinically assess cancer drug treatment orders. The pharmacist may further enhance their knowledge by working through case studies. Hyperlinks are embedded throughout the guide, right-click on them to open them in a new tab or page and maintain your place in the guide.

Note: for drugs with similar names, BC Cancer protocols and pre-printed orders incorporate the risk reduction strategy of TALLman lettering by printing sections of the drug name in capital letters to emphasize differences between the Look-Alike/Sound-Alike drugs. For example, carboplatin is written as CARBOplatin to avoid mix-ups with CISplatin. See BC Cancer Pharmacy Directive [VI-90-01: Use of TALLman Lettering for Medication Nomenclature](#) for more information. For the purposes of this guide, we do not use TALLman lettering.