

Systemic Therapy Update

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For Health Professionals Who Care for Cancer Patients

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Cancer Drug Manual[©]

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Editor's Choice

Revised Programs

Effective 01 August 2020, the BC Cancer Provincial Systemic Therapy Program has revised the eligibility for the following treatment program. The full details of this program can be found on the BC Cancer website in the Chemotherapy Protocols section.

Genitourinary

Cabazitaxel for Metastatic Castrate-Resistant Prostate Cancer (GUPCABA) — Cabazitaxel is now approved as a later-line option in the sequencing of treatments for patients with metastatic castrate-resistant prostate cancer (mCRPC). Previously, only one of cabazitaxel or an androgen receptor axistargeted (ARAT) agent (i.e., abiraterone or enzalutamide) was available for patients progressing on docetaxel, but not their sequential use. Moving forward, patients who have progressed on prior docetaxel-containing chemotherapy and within 12 months on abiraterone (UGUPABI) or enzalutamide (UGUPENZ) are eligible for cabazitaxel. Cabazitaxel is administered intravenously once every three weeks, together with daily prednisone. Androgen ablative therapy (i.e., LHRH agonist or LHRH antagonist) should be continued to maintain castrate testosterone levels in patients without orchiectomy. A BC Cancer Compassionate Access Program (CAP) approval is no longer required for cabazitaxel therapy.

Approval for the use of cabazitaxel is based on the results of the phase III CARD trial in patients with mCRPC that progressed after at least three cycles of docetaxel and within 12 months on an ARAT agent.¹

Cabazitaxel (plus prednisone and filgrastim) was compared to the alternative ARAT agent (enzalutamide if abiraterone previously given, or vice versa). All patients without orchiectomy were maintained on an LHRH agonist or LHRH antagonist. The trial demonstrated improved median imaging-based progression-free survival (PFS), median overall survival (mOS) and PSA response in the cabazitaxel arm (median imaging-based PFS: 8.0 months vs. 3.7 months [HR 0.54, 95% CI 0.40-0.73]; mOS: 13.6 months vs. 11.0 months [HR 0.64, 95% CI 0.46-0.89]). Common grade 3 or higher adverse effects with cabazitaxel included neutropenia (44.7%), leukopenia (32.0%) and anemia (8.0%); those with an ARAT agent included renal disorders (8.1%), infection (7.3%) and musculoskeletal pain (5.6%). Adverse events leading to treatment discontinuation occurred more frequently with cabazitaxel than with ARAT therapy (19.8% vs. 8.9%).

References

1. De Wit R, de Bono J, Sternberg CN, et al. Cabazitaxel versus abiraterone or enzalutamide in metastatic prostate cancer. *N Engl J Med* 2019;381:2506-2518. https://doi.org/10.1056/NEJMoa1911206

Biosimilar Rituximab Available

Effective 01 August 2020, the BC Cancer Provincial Systemic Therapy Program is implementing the use of biosimilar rituximab for rituximab given intravenously in BC Cancer treatment protocols. The rituximab biosimilars, RIXIMYO® and RUXIENCE®, are now eligible for reimbursement by BC Cancer. BC Cancer regional centres will stock RIXIMYO® as the designated biosimilar, in addition to the reference biologic product, RITUXAN®. Note that there is no change to the indication or use of subcutaneous rituximab and that the reference biologic formulation will continue to be used (RITUXAN SC®).

The following outlines key funding details:

- Patients starting on intravenous rituximab on or after 01 August 2020 will be funded for biosimilar rituximab only. Requests for the use of the reference biologic, RITUXAN®, on or after 01 August will require submission through the BC Cancer Compassionate Access Program (CAP).
- Patients who started a treatment protocol with the intravenous reference biologic, RITUXAN®, **prior to 01 August 2020** and <u>did not meet the clinical criteria to receive subcutaneous rituximab</u>, may continue to receive RITUXAN® for the duration of the treatment protocol or until they are suitable to receive subcutaneous rituximab. Patients who are subsequently switched to or started on another rituximab-containing protocol on or after 01 August 2020 will be funded for biosimilar rituximab only (e.g., switched from LYCHOPR to LYGDPR; or started on LYRMTN after a prior rituximab protocol).
- Clinicians may choose to switch patients currently receiving the intravenous reference biologic to the biosimilar, after discussion with the patient.

The following highlights updates to BC Cancer documents:

A Pharmacy Selection Box has been added to rituximab-containing PPPOs:

Pharmacy to select rituximab IV brand as per Provincial Systemic Therapy Policy III-190

Drug	Brand (Pharmacist to complete. Please print.)	Pharmacist Initial and Date
rituximab		

- **Lymphoma PPPOs** Affected PPPOs are noted in the *Revised Protocols, PPPOs and Patient Handouts* table at the end of the newsletter.
- Rituximab Monograph, Patient Handout and Chemotherapy Preparation and Stability Chart Revisions are specified in the *Cancer Drug Manual* section below.
- Oncology Biosimilars Utilization Policy [III-190] Updates are noted in the *Provincial Systemic Therapy Program* announcement below.

Provincial Systemic Therapy Program

Revised Policy: Oncology Biosimilars Utilization [III-190]

The BC Cancer Provincial Systemic Therapy Program has updated **Policy III-190** – **Oncology Biosimilars Utilization** to include biosimilar rituximab. Information about the BC Cancer implementation of biosimilar rituximab is found in *Editor's Choice*. All Systemic Therapy policies can be found on the Shared Health Organizations Portal (SHOP) <u>BC Cancer page</u>.

Drug Shortages

The following are updates of drug supply shortages in BC. Full details about new, updated or resolved drug shortages, including recommended treatment alternatives, can be found in the *Briefing Notes* and email communications previously circulated to BC Cancer and the Community Oncology Network (CON).

New

Chlorambucil

(Adapted from BC Cancer Briefing Note 16July2020)

There is a potential shortage of chlorambucil 2 mg tablets, with limited quantities remaining at BC Cancer regional centres and Community Oncology Network (CON) sites. The estimated release date for additional supply is the end of October 2020. Supplies are being monitored and conservation strategies may be implemented if necessary.

Chlorambucil is funded by BC Cancer for the treatment of patients with low-grade lymphomas and chronic lymphocytic leukemia (LYCHLOR), for the palliative treatment of lymphoma (LYPALL), in combination with rituximab for indolent B-cell lymphomas (LYCHLRR) and chronic lymphocytic leukemia (LYCLLCHLR) and in combination with obinutuzumab for previously untreated chronic lymphocytic leukemia (LYOBCHLOR).

Recommended treatment alternatives for these indications include:

CURRENT TREATMENT	RECOMMENDED TREATMENT ALTERNATIVES
Chlorambucil alone	
LYCHLOR	Cyclophosphamide (dosing follows LYCYCLO or LYPALL)
LYPALL	Switch to LYPALL cyclophosphamide option
Chlorambucil with rituximab	
LYCHLRR	Reserve chlorambucil supply for combination therapy with rituximab
LYCLLCHLR	Reserve chlorambucil supply for combination therapy with rituximab
Chlorambucil with obinutuzumab	
LYOBCHLOR	Reserve chlorambucil supply for combination therapy with obinutuzumab

Drug Shortages

Updated

Ranitidine Injection

(Adapted from BC Cancer Briefing Note Update 27July2020)

A recall of several lot numbers of 2 mL and 50 mL parenteral ranitidine was announced on 24 July 2020 by Sandoz Canada, the only parenteral ranitidine manufacturer in Canada. The affected lot numbers may have particulate matter present in the vials. The manufacturer has asked that all supplies of affected lot numbers be quarantined immediately.

BC Cancer regional centres and Community Oncology Network (CON) sites may have no or limited supply of unaffected lot numbers. Please refer to the full briefing note for therapeutic alternatives to parenteral ranitidine. Oral ranitidine products not affected by the N-nitrodimethylamine (NDMA) recall continue to be available.

Resolved

Alemtuzumab

(Adapted from BC Cancer email communication 03Jul2020)

Alemtuzumab supplies are now available.

Hydroxyurea

(Adapted from BC Cancer email communication 03Jul2020)

Hydroxyurea supplies are expected to be available on an ongoing basis and the shortage is now considered resolved. BC Cancer pharmacies have moved back to dispensing a 3-month supply.

Cancer Drug Manual[©]

All BC Cancer Drug Manual[©] documents can be accessed from the <u>Cancer Drug Manual</u>[©] home page on the BC Cancer website.

New Documents

Note that the following drugs are <u>NOT</u> BC Cancer Benefit Drugs and require application to the BC Cancer Compassionate Access Program (CAP). The corresponding Interim Monographs and Patient Handout are made available for reference only.

The **Belantamab mafodotin Interim Monograph** has been developed. Belantamab mafodotin is an antibody-drug conjugate that binds specifically to the B-cell maturation antigen (BCMA). The monoclonal antibody component (belantamab) is linked to the active cytotoxic drug (monomethyl auristatin F). The usual dose in the treatment of multiple myeloma is 2.5 mg/kg IV given on day 1 of a three-week cycle.

Highlights from this document include:

- corneal events (e.g., keratopathy, blurry vision, dry eye, photophobia) are the most common adverse reactions; avoid contact lens use for duration of treatment with belantamab mafodotin
- prophylactic antiviral therapy is recommended for hepatitis B core antibody (anti-HBc)-positive patients
- premedication may be required to manage infusion-related reactions
- myelosuppression, including thrombocytopenia, neutropenia, anemia, is reported

Belantamab mafodotin has been added to the **Chemotherapy Preparation and Stability Chart** and has been evaluated for the **BC Cancer Hazardous Drug List.**

The **Trifluridine-tipiracil Interim Monograph and Patient Handout** have been developed with expert review provided by Dr. Howard Lim (medical oncologist) of the BC Cancer Gastrointestinal Tumour Group. Trifluridine, the active cytotoxic component of trifluridine-tipiracil, is a thymidine-based antimetabolite. The tipiracil component allows for the maintenance of adequate levels of trifluridine by preventing its rapid degradation. Trifluridine-tipiracil is used in the treatment of metastatic colorectal cancer, gastric cancer and adenocarcinoma of the gastroesophageal junction. The usual dose is 35 mg/m² given orally twice daily with food at the morning and evening meals, on days 1-5 and days 8-12 of each 28-day cycle. Dosing is based on the trifluridine component.

Highlights from these documents include:

- myelosuppression is common and serious infections have been reported
- fatigue and appetite decrease are frequently reported

Trifluridine-tipiracil has been added to the **Auxiliary Label List** and has been evaluated for the **BC Cancer Hazardous Drug List**.

Cancer Drug Manual[©]

Revised Documents

Highlights of key changes are listed below:

Apalutamide Monograph

Supply and Storage: updated best-use dates for tablets in Additional Information

Crizotinib Monograph

Side Effects: added recommended management for sudden severe vision loss

Dosage Guidelines: updated hepatic dosing

Lenvatinib Monograph

Uses: updated with Health Canada approved indications

Cautions: added warning regarding impaired thyroid suppression and suggested monitoring

Side Effects: added hypothyroidism to table

Supply and Storage: updated blister packaging information with new dosing regimens in Additional

Information

Dosage Guidelines: added new dosing regimens; updated hepatic and renal dosing

Octreotide Monograph

Reviewed and updated the following sections: *Mechanism, Pharmacokinetics, Cautions, Interactions, Supply and Storage, Parenteral Administration table* and *Dosage Guidelines*

Side Effects: added 'loss of symptomatic control' to paragraph

Rituximab Monograph, Patient Handout and Chemotherapy Preparation and Stability Chart

Common Trade Names: updated with new biosimilar brand names, deleted European brand name Cautions: clarified information pertaining to RITUXAN® SC with respect to new biosimilar brands Supply and Storage: added information pertaining to new biosimilar formulations

Patient Handout: updated Other names with new biosimilar brand names

Chemotherapy Preparation and Stability Chart: added new biosimilar formulations; updated originator formulations with brand name

The following **Patient Handouts** have been updated to include information about immunotherapy in both the bullets and Side Effects table preamble:

Atezolizumab

Avelumab

Cemiplimab

Durvalumab

Ipilimumab

Nivolumab

Pembrolizumab

Retired Documents

The **Olaratumab Interim Monograph** has been retired. **Olaratumab** has been deleted from the **Chemotherapy Preparation and Stability Chart** and **Hazardous Drug List**.

Drug Update

Manufacturer Patient Assistance Programs

The listing of patient assistance programs offered by pharmaceutical manufacturers has been updated and can be accessed on the BC Cancer website under Health Professionals > Systemic Therapy > Reimbursement & Forms.

Benefit Drug List

Revised Programs

Effective 01 August 2020, the following treatment programs no longer require Compassionate Access Program (CAP) approval and have been transferred to Class I status on the BC Cancer <u>Benefit Drug List</u>:

Protocol Title	Protocol Code	Benefit Status
Yttrium-90 for Transarterial Radioembolisation (TARE)	GIYTT	Class I (Previously Restricted)
Treatment of Metastatic or Advanced Renal Cell Carcinoma using Nivolumab	GUAVNIV	Class I (Previously Restricted)
Treatment of Metastatic or Advanced Renal Cell Carcinoma using 4-Weekly Nivolumab	GUAVNIV4	Class I (Previously Restricted)
Therapy for Metastatic Renal Cell Carcinoma using Axitinib	GUAXIT	Class I (Previously Restricted)
Therapy for Metastatic Renal Cell Carcinoma using Cabozantinib	GUCABO	Class I (Previously Restricted)
Palliative Therapy for Renal Cell Carcinoma using Pazopanib	GUPAZO	Class I (Previously Restricted)
Palliative Therapy for Metastatic Castration-Resistant Prostate Cancer using Cabazitaxel and Prednisone	GUPCABA	Class I (Previously Restricted, expanded Eligibility)
Palliative Therapy for Renal Cell Carcinoma using Sorafenib	GUSORAF	Class I (Previously Restricted)
Palliative Therapy for Renal Cell Carcinoma using Sunitinib	GUSUNI	Class I (Previously Restricted)

Highlights of New & Revised Protocols, PPPOs and Patient Handouts

BC Cancer Protocol Summaries, Provincial Pre-Printed Orders (PPPOs) and Patient Handouts are revised periodically. New, revised or deleted protocols, PPPOs and patient handouts for this month are listed below, with document revisions indicated in the respective columns. Protocol codes for treatment requiring BC Cancer Compassionate Access Program approval are prefixed with the letter **U**.

NEW Prot	NEW Protocols, PPPOs and Patient Handouts (new documents checked ☑)			
Code	Protocol Title	Protocol	PPPO	Handout
UGILEN	First-Line Therapy of Advanced Hepatocellular Carcinoma using Lenvatinib			\square
GUPCABA	Palliative Therapy for Metastatic Castration- Resistant Prostate Cancer using Cabazitaxel and Prednisone			I

REVISED Protocols, PPPOs and Patient Handouts (revisions in respective columns)				
Code	Protocol Title	Protocol	PPPO	Handout
CN Neuro-0	Oncology			
CNTEMOZ	Therapy for Malignant Brain Tumours using Temozolomide	Eligibility revised		
GI Gastroin	testinal			
GIFUC	Palliative Chemotherapy for Upper Gastrointestinal Tract Cancer (Gastric, Esophageal, Gall Bladder Carcinoma and Cholangiocarcinoma) and Metastatic Anal Cancer using Infusional Fluorouracil and Cisplatin		Formatted with TALLman lettering	
GIFUPART	Curative Combined Modality Therapy for Carcinoma of the Anal Canal using Cisplatin, Infusional Fluorouracil and Radiation Therapy		Formatted with TALLman lettering and Tests clarified	
GIPE	Palliative Therapy of Neuroendocrine Tumours using Cisplatin and Etoposide		Cisplatin infusion time clarified	
⊎GIYTT	Yttrium-90 for Transarterial Radioembolisation (TARE)	Protocol Code (U removed) and Eligibility revised; Contact Physician updated		
GO Gyneco	logy			
GOOVFPLDC	First-Line Treatment of Epithelial Ovarian Cancer using Doxorubicin Pegylated Liposomal (CAELYX®) and Carboplatin	Tests updated (AST replaced by ALT)	Priming solution for IV line clarified and AST removed	

REVISED Protocols, PPPOs and Patient Handouts (revisions in respective columns)				mns)
Code	Protocol Title	Protocol	PPPO	Handout
GOOVPLDC	Treatment of Epithelial Ovarian Cancer Relapsing after Primary Treatment using Doxorubicin Pegylated Liposomal (CAELYX®) and Carboplatin	Tests updated (AST replaced by ALT)	Priming solution for IV line clarified and AST removed	
GU Genitou	rinary			
U GUAVNIV	Treatment of Metastatic or Advanced Renal Cell Carcinoma using Nivolumab	Protocol Code (U removed) and Eligibility revised; Treatment algorithm added	CAP requirement and U in Protocol Code removed	Protocol Code revised (U removed)
⊎GUAVNIV4	Treatment of Metastatic or Advanced Renal Cell Carcinoma using 4-Weekly Nivolumab	Protocol Code (U removed) and Eligibility revised; Treatment algorithm added	CAP requirement and U in Protocol Code removed	Protocol Code revised (U removed)
⊎GUAXIT	Therapy for Metastatic Renal Cell Carcinoma using Axitinib	Protocol Code (U removed) and Eligibility revised; Treatment algorithm added	CAP requirement and U in Protocol Code removed	
⊎GUCABO	Therapy for Metastatic Renal Cell Carcinoma using Cabozantinib	Protocol Code (U removed) and Eligibility revised; Treatment algorithm added	CAP requirement and U in Protocol Code removed	
GUFUPRT	Combined Modality Therapy for Squamous Cell Cancer of the Genitourinary System using Fluorouracil and Cisplatin with Radiation		Formatted with TALLman lettering and AST deleted	
GUNAJPG	Neoadjuvant Therapy for Urothelial Carcinoma using Cisplatin and Gemcitabine		Formatted with TALLman lettering	
UGUPAPA	Treatment of Non-Metastatic Castration- Resistant Prostate Cancer using Apalutamide	Eligibility and treatment algorithm updated		
⊎GUPAZO	Palliative Therapy for Renal Cell Carcinoma using Pazopanib	Protocol Code (U removed) and Eligibility revised; Treatment algorithm added	CAP requirement and U in Protocol Code removed	Protocol Code revised (U removed)

REVISED P	REVISED Protocols, PPPOs and Patient Handouts (revisions in respective columns)			
Code	Protocol Title	Protocol	PPPO	Handout
⊎GUPCABA	Palliative Therapy for Metastatic Castration- Resistant Prostate Cancer using Cabazitaxel and Prednisone	Protocol Code (U removed) and Eligibility revised; Contact Physician updated; Alternate steroid dosing clarified; Treatment algorithm added	CAP requirement and U in Protocol Code removed; Alternate steroid dosing clarified	Handout created
UGUPENZ	Palliative Therapy for Metastatic Castration- Resistant Prostate Cancer using Enzalutamide	Eligibility and Contact Physician updated; Treatment algorithm added		
GUSCPE	Palliative Therapy of Extensive Stage Genitourinary Small Cell Tumours with a Platinum and Etoposide	Cisplatin infusion time clarified	Cisplatin infusion time clarified	
⊎GUSORAF	Palliative Therapy for Renal Cell Carcinoma using Sorafenib	Protocol Code (U removed) and Eligibility revised; Treatment algorithm added	CAP requirement and U in Protocol Code removed	Protocol Code revised (U removed)
⊎GUSUNI	Palliative Therapy for Renal Cell Carcinoma using Sunitinib	Protocol Code (U removed) and Eligibility revised; Treatment algorithm added	CAP requirement and U in Protocol Code removed	Protocol Code revised (U removed)
HN Head ar	nd Neck			
HNNLAPRT	Treatment of Locally Advanced Nasopharyngeal Cancer with Concurrent Cisplatin and Radiation		Institutional name and logo updated; Formatted with TALLman lettering; Tests clarified	
LU Lung				
LULAPERT	Treatment of Locally Advanced Non-Small Cell Lung Cancer using Cisplatin and Etoposide with Radiation Therapy	Cisplatin infusion time clarified	Cisplatin infusion time clarified	
LUOTPE	Treatment of Thymoma with Cisplatin and Etoposide	Cisplatin infusion time clarified	Cisplatin infusion time clarified	
LUOTPERT	Treatment of Thymoma using Cisplatin and Etoposide with Radiation Therapy	Cisplatin infusion time clarified	Cisplatin infusion time clarified	
LUPUPE	Treatment of Cancer of Unknown Primary Involving the Thorax with Cisplatin and Etoposide	Cisplatin infusion time clarified	Cisplatin infusion time clarified	

REVISED P	REVISED Protocols, PPPOs and Patient Handouts (revisions in respective columns)			
Code	Protocol Title	Protocol	PPPO	Handout
LUSCPE	Treatment of Extensive Stage Small Cell Lung Cancer (SCLC) with Cisplatin and Etoposide	Cisplatin infusion time clarified	Cisplatin infusion time clarified	
LUSCPI	Second-Line Treatment of Extensive Stage Small Cell Lung Cancer (SCLC) with Irinotecan with or without Platinum		Formatted with TALLman lettering	
LY Lymphon	na			
LYABVD	Treatment of Hodgkin's Disease with Doxorubicin, Bleomycin, Vinblastine and Dacarbazine	Cardiac monitoring threshold revised		
LYBENDR	Treatment of Non-Hodgkin Lymphoma with Bendamustine and Rituximab		Biosimilar Pharmacy Selection Box added	
LYCHLRR	Treatment of Indolent B-Cell Lymphoma Chlorambucil and Rituximab		Biosimilar Pharmacy Selection Box added	
LYCHOPR	Treatment of Lymphoma with Doxorubicin, Cyclophosphamide, Vincristine, Prednisone and Rituximab		Biosimilar Pharmacy Selection Box added	
LYCHOPRMTX	Central Nervous System Prophylaxis with High-Dose Methotrexate, CHOP and Rituximab in Diffuse Large B-Cell Lymphoma		Biosimilar Pharmacy Selection Box added	
LYCLLBENDR	Treatment of Relapsed/Refractory Chronic Lymphocytic Leukemia or Small Lymphocytic Lymphoma with Bendamustine and Rituximab		Biosimilar Pharmacy Selection Box added	
LYCLLCHLR	Treatment of Chronic Lymphocytic Leukemia with Chlorambucil and Rituximab		Biosimilar Pharmacy Selection Box added	
LYCLLCVPR	Treatment of Relapsed Chronic Lymphocytic Leukemia using Cyclophosphamide, Vincristine, Prednisone and Rituximab (CVP-R)	Rituximab timing clarified	Biosimilar Pharmacy Selection Box added	
LYCLLFBR	Treatment of Previously Untreated Chronic Lymphocytic Leukemia (CLL) with Bendamustine and Rituximab		Biosimilar Pharmacy Selection Box added	
LYCLLFLUDR	Treatment of Chronic Lymphocytic Leukemia or Prolymphocytic Leukemia with Fludarabine and Rituximab		Biosimilar Pharmacy Selection Box added	
LYCODOXMR	Treatment of Burkitt's Lymphoma and Leukemia (ALL-L3) with Cyclophosphamide, Vincristine, Doxorubicin, Methotrexate, Leucovorin (CODOX-M) and Rituximab	Cyclophosphamide bag size revised	Cyclophosphamide bag size revised and Biosimilar Pharmacy Selection Box added	
LYCVPR	Treatment of Advanced Indolent Lymphoma using Cyclophosphamide, Vincristine, Prednisone and Rituximab (CVP-R)		Biosimilar Pharmacy Selection Box added	

REVISED Protocols, PPPOs and Patient Handouts (revisions in respective columns)				
Code	Protocol Title	Protocol	PPPO	Handout
LYFCR	Treatment of Chronic Lymphocytic Leukemia (CLL) or Prolymphocytic Leukemia with Fludarabine, Cyclophosphamide and Rituximab		Biosimilar Pharmacy Selection Box added	
LYFLUDR	Treatment of Relapsed Indolent Lymphoma with Fludarabine and Rituximab		Biosimilar Pharmacy Selection Box added	
LYGDPR	Treatment of Lymphoma with Gemcitabine, Dexamethasone and Platinum with Rituximab		Biosimilar Pharmacy Selection Box added	
LYIDELAR	Treatment of Relapsed/Refractory Chronic Lymphocytic Leukemia (CLL) or Small Lymphocytic Lymphoma (SLL) using Idelalisib and Rituximab		Biosimilar Pharmacy Selection Box added	
LYIVACR	Treatment of Burkitt's Lymphoma and Leukemia (ALL-L3) with Ifosfamide, Mesna, Etoposide, Cytarabine (IVAC) and Rituximab		Biosimilar Pharmacy Selection Box added	
LYMFBEX	Treatment of Cutaneous T-Cell Lymphoma (Mycosis Fungoides/Sézary syndrome) with Bexarotene	Eligibility clarified		
LYRICE	Treatment of Relapsed or Refractory Advanced Stage Aggressive B-Cell Non- Hodgkin's Lymphoma with Ifosfamide, Carboplatin, Etoposide and Rituximab		Biosimilar Pharmacy Selection Box added	
LYRITUX	Treatment of Lymphoma with Single-Agent Rituximab		Biosimilar Pharmacy Selection Box added	
LYRITZ	Palliative Therapy For Lymphoma using Radioimmunotherapy: Rituximab-Priming for Ibritumomab ⁹⁰ Y (ZEVALIN®)		Biosimilar Pharmacy Selection Box added	
LYRMTN	Maintenance Rituximab for Indolent Lymphoma		Biosimilar Pharmacy Selection Box added	
LYVENETOR	Treatment of Relapsed/Refractory Chronic Lymphocytic Leukemia or Small Lymphocytic Lymphoma using Venetoclax and Rituximab		Biosimilar Pharmacy Selection Box added	
MY Myelom	na			
UMYBORPRE	Treatment of Multiple Myeloma using Bortezomib, Dexamethasone with or without Cyclophosphamide as Induction Pre-Stem Cell Transplant	Supportive medications revised		
UMYBORREL	Treatment of Relapsed Multiple Myeloma using Bortezomib, Dexamethasone with or without Cyclophosphamide	Supportive medications revised		

REVISED Protocols, PPPOs and Patient Handouts (revisions in respective columns)				mns)
Code	Protocol Title	Protocol	PPPO	Handout
UMYCARDEX	Therapy of Multiple Myeloma using Carfilzomib and Dexamethasone with or without Cyclophosphamide	Cyclophosphamide dosing clarified and supportive medications revised		
UMYCARLD	Therapy of Multiple Myeloma using Carfilzomib, Lenalidomide with Dexamethasone	Supportive medications revised		
UMYLDF	Treatment of Previously Untreated Multiple Myeloma and Not-Eligible for Stem Cell Transplant using Lenalidomide with Low-Dose Dexamethasone	Supportive medications revised		
UMYLDREL	Therapy of Relapsed Multiple Myeloma using Lenalidomide with Dexamethasone	Supportive medications revised		
МҮМРВОК	Treatment of Multiple Myeloma using Melphalan, Prednisone and Weekly Bortezomib with the Option of Substituting Cyclophosphamide for Melphalan	Supportive medications revised		
UMYPOMDEX	Therapy of Multiple Myeloma using Pomalidomide with Dexamethasone	Supportive medications revised		
SA Sarcoma				
SAAJAP	Adjuvant Therapy for Osteosarcoma using Doxorubicin and Cisplatin	Antiemetics updated (ondansetron)		
SAAVAP	Therapy of Advanced Osteosarcoma using Doxorubicin and Cisplatin	Antiemetics updated (ondansetron)		
SM Skin and	l Melanoma			
SMAVTMZ	Palliative Therapy for Malignant Melanoma with Brain Metastases using Temozolomide			Institutional name and logo updated
SMDTIC	Palliative Therapy for Metastatic Malignant Melanoma using High-Dose Dacarbazine			Institutional name and logo updated
SMIMI	Topical Immunotherapy for In-Transit Melanoma Metastases, Cutaneous Lymphoma, Basal Cell Carcinoma using Imiquimod	Institutional name updated		
SMMCCPE	Treatment of Recurrent or Metastatic Merkel Cell Carcinoma (MCC) with Cisplatin and Etoposide	Institutional name and Contact Physician updated; Tests and cisplatin infusion time clarified	Cisplatin infusion time clarified	
SMPDT	Topical Therapy for Skin Cancer with PDT (Photodynamic Therapy)	Institutional name updated		

Resource	Phone	Email / Toll Free / Fax		
Systemic Therapy Update: <u>www.bccancer</u>	.bc.ca/health-professionals/clinical-resourc	es/systemic-therapy/systemic-therapy-upda		
Systemic Therapy Update Editor	604-877-6000 x 672649	bulletin@bccancer.bc.ca		
Oncology Drug Information	604-877-6275	druginfo@bccancer.bc.ca		
Cancer Drug Manual Editor	250-519-5500 x 693742	nbadry@bccancer.bc.ca		
Pharmacy Oncology Certification	250-712-3900 x 686820	rxchemocert@bccancer.bc.ca		
Nurse Educators	604-877-6000 x 672638	nursinged@bccancer.bc.ca		
CAP – Compassionate Access Program	604-877-6277	cap bcca@bccancer.bc.ca		
CAP – Compassionate Access Program	004-877-0277	fax 604-708-2026		
OSCAR – Online System for Cancer	888-355-0355	oscar@bccancer.bc.ca		
Drugs Adjudication and Reimbursement	606-333-0333	fax 604-708-2051		
Library/Cancer Information	604-675-8003	toll free 888-675-8001 x 8003		
Library, Cancer information	004-075-8005	requests@bccancer.bc.ca		
Library Document Delivery	604-675-8002	requests@bccancer.bc.ca		
Pharmacy Professional Practice	604-877-6000 x 672247	mlin@bccancer.bc.ca		
Professional Practice, Nursing	604-877-6000 x 672623	BCCancerPPNAdmin@ehcnet.phsa.ca		
Provincial Systemic Therapy Program	604-877-6000 x 672247	mlin@bccancer.bc.ca		
BC Cancer – Abbotsford	604-851-4710	toll free 877-547-3777		
BC Cancer – Kelowna	250-712-3900	toll free 888-563-7773		
BC Cancer – Prince George	250-645-7300	toll free 855-775-7300		
BC Cancer – Surrey	604-930-2098	toll free 800-523-2885		
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