

Systemic Therapy Update

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For Health Professionals Who Care For Cancer Patients

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EDITOR'S CHOICE

New Programs

Effective 01 July 2019, the BC Cancer Provincial Systemic Therapy Program has approved the following treatment program:

Gastrointestinal:

Regorafenib for Advanced Hepatocellular Carcinoma (HCC) (UGIREGO) – The BC Cancer Gastrointestinal Tumour Group is introducing regorafenib for advanced HCC in patients who were previously treated with, and tolerated, a minimum sorafenib dose of 400 mg once daily. This new treatment will fill an unmet need as there was no previous standard treatment for HCC after disease progression on sorafenib. A BC Cancer Compassionate Access Program (CAP) approval is required.

Regorafenib is a multiple receptor tyrosine kinase inhibitor that blocks the activity of protein kinases involved in angiogenesis, oncogenesis, metastasis and tumour immunity. A phase III randomized, placebo-controlled trial (RESORCE) demonstrated improvement in overall survival (mOS 10.6 mo vs. 7.8 mo, HR 0.63, 95% CI 0.50-0.79) and progression-free survival (mPFS 3.1 mo vs. 1.5 mo, HR 0.46, 95% CI 0.37-0.56). Treatment-related adverse effects were more frequent in the regorafenib arm, and included hand-foot skin reactions, diarrhea, fatigue, hypertension and hyperbilirubinemia. Patients on regorafenib were twice as likely to have a dose modification (67% vs 31%) than patients on placebo. However, no significant differences were observed in health-related quality of life measures between the two groups.

EDITOR'S CHOICE

References:

- Pan-Canadian Oncology Drug Review (pCODR) Expert Review Committee (pERC). Final recommendation for regorafenib (Stivarga[®]) for hepatocellular carcinoma (HCC). 18 April 2018.
- 2. Bruix J, Qin S, Merle P, et al. Regorafenib for patients with hepatocellular carcinoma who progressed on sorafenib treatment (RESORCE): a randomized, double-blind, placebo-controlled, phase 3 trial. Lancet 2017;389:56-66.

PROVINCIAL SYSTEMIC THERAPY PROGRAM UPDATE

EDUCATION BULLETIN NOW AVAILABLE ON BC CANCER WEBSITE

The BC Cancer Provincial Systemic Therapy Program has now launched its Education Bulletin on the BC Cancer website at: http://www.bccancer.bc.ca/health-professionals/clinical-resources/systemic-therapy/education-bulletin. Education Bulletins are intended to educate health care staff on new treatment programs planned for implementation at BC Cancer in the near future, and are currently targeting the Nursing discipline in the initial phase of implementation. Nursing personnel who are interested in receiving the Education Bulletin may contact the Provincial Systemic Therapy Program at Provincial Systemic Office@bccancer.bc.ca to be added to the email distribution list.

For further information about the Education Bulletin initiative, please see the May 2019 issue of the Systemic Therapy Update.

BC Cancer Shared Health Organizations Portal (SHOP) Launched on June 24TH!

Shared Health Organizations Portal, also known as SHOP, is the new home for BC Cancer- and PHSA-wide policies and procedures. As of June 24th, BC Cancer went live with provincial program documents on SHOP, including Provincial Systemic Therapy Program policies. This portal is accessible from anywhere. Although Communities Oncology Network sites will have full access to SHOP, Systemic Therapy policies will continue to be accessible on the BC Cancer website. Please note that SHOP is a portal for policies and decision support tools only and will NOT include documents such as chemotherapy protocols, Cancer Drug Manual monographs, etc. – these documents will continue to be available on the BC Cancer website.

Programs currently on SHOP include – Provincial Nursing, Provincial Pharmacy, Systemic Therapy, Radiation Therapy, Breast Screening, Health Information Management, Patient Experience Program, Pain and Symptom Management/Palliative Care, and BC Cancer-wide policies, with more to come in the future.

Please visit the <u>SHOP POD page</u> for tips and tricks on how to use SHOP. Any questions about SHOP can be directed to the BC Cancer Policy Office at <u>policyoffice@bccancer.bc.ca</u> or 604-877-6000 (ext 672881).

BENEFIT DRUG LIST

New Programs

Effective 01 July 2019, the following treatment program has been added to the BC Cancer <u>Benefit Drug</u> <u>List</u>:

Protocol Title	Protocol Code	Benefit Status
Treatment of Advanced Hepatocellular Carcinoma using Regorafenib	UGIREGO	Restricted

DELETED PROGRAMS

Effective 1 July 2019, the following treatment program has been deleted from the BC Cancer Benefit Drug List:

Protocol Title	Protocol Code	Benefit Status
Treatment of Meningeal Disease (Miscellaneous Tumour Origins) using High-Dose Methotrexate with Leucovorin Rescue	MOHDMTX	Class I

CANCER DRUG MANUAL

REVISED MONOGRAPHS AND PATIENT HANDOUTS

Highlights of key changes and/or updates to the Monographs, Patient Handouts and Chemotherapy Preparation and Stability Chart are listed below:

Fulvestrant Monograph and Patient Handout:

- Underwent complete revision with expert review provided by Dr. Vanessa Bernstein (Medical Oncologist, BC Cancer Breast Tumour Group) and Megan Darbyshire (Pharmacist, BC Cancer – Prince George)
- Highlights of key changes include:
 - Injection site events (e.g. sciatica, neuralgia, peripheral neuropathy) have been reported and are associated with administration to the dorsogluteal region, which is in close proximity to the sciatic nerve and large blood vessels
 - Hypersensitivity reactions (including angioedema and urticaria) are reported in at least 10% of patients and may occur shortly after or up to several days after fulvestrant injection
 - Severe and sometimes fatal hepatic failure, hepatic necrosis, and hepatitis have been rarely reported (including cases up to six months after initiation of fulvestrant)

Irinotecan Liposome Interim Monograph and Chemotherapy Preparation and Stability Chart:

 Supply and Storage – deleted Health Canada Special Access Programme (SAP) formulation, updated commercial supply

CANCER DRUG MANUAL

Chemotherapy Preparation and Stability Chart updated to reflect current drug contracts for the following drugs:

- Bleomycin
- Bortezomib
- Busulfan
- Cisplatin
- Cytarabine
- Fluorouracil
- Irinotecan

- Leucovorin
- Methotrexate
- Oxaliplatin
- Pemetrexed
- Topotecan
- Zoledronic acid

DELETED MONOGRAPHS AND PATIENT HANDOUTS

The **Amifostine Monograph** and **Patient Handout** have been deleted, and removed from the **Chemotherapy Preparation and Stability Chart**.

LIST OF REVISED PROTOCOLS, PRE-PRINTED ORDERS 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. Protocol codes for treatment requiring BC Cancer Compassionate Access Program approval are prefixed with the letter "U".

New Protocols, PPPOs and Patient Handouts (Affected Documents are Checked)					
CODE	Protocol	PPPO	Patient Handout	Protocol Title	
UGIREGO	V	V		Treatment of Advanced Hepatocellular Carcinoma using Regorafenib	
UMYDARBD			\square	Treatment of Relapsed and Refractory Multiple Myeloma with Daratumumab in Combination with Bortezomib and Dexamethasone with or without Cyclophosphamide	
UMYDARLD				Treatment of Relapsed and Refractory Multiple Myeloma with Daratumumab in Combination with Lenalidomide and Dexamethasone	

REVISED PROTOCOLS, PPPOS AND PATIENT HANDOUTS (AFFECTED DOCUMENTS ARE CHECKED)						
CODE	Protocol	PPPO	Patient Handout	Changes Protocol Title		
BRAJACT	Ø			Protocol title, Eligibility and Institutional name updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Doxorubicin and Cyclophosphamide followed by Paclitaxel	

REVISED PROTOCOLS, PPPOS AND PATIENT HANDOUTS (AFFECTED DOCUMENTS ARE CHECKED)						
CODE	Protocol	PPPO	Patient Handout	Changes	Protocol Title	
BRAJACTG	\square			Protocol title and Institutional name updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Dose-Dense Therapy: Doxorubicin and Cyclophosphamide followed by Paclitaxel	
BRAJACTT	Ø			Protocol title updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Doxorubicin and Cyclophosphamide followed by Paclitaxel and Trastuzumab (HERCEPTIN)	
BRAJACTTG	Ø			Protocol title updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Dose-Dense Therapy: Doxorubicin and Cyclophosphamide Followed by Paclitaxel and Trastuzumab (HERCEPTIN)	
BRAJACTW				Protocol title and Eligibility updated	Neoadjuvant or Adjuvant therapy for Early Breast Cancer using Doxorubicin and Cyclophosphamide Followed by Weekly Paclitaxel	
BRAJCAP	$\overline{\checkmark}$			Eligibility clarified	Therapy of Adjuvant Breast Cancer using Capecitabine	
UBRAJDAC				Protocol title and Institutional name updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Cyclophosphamide, Doxorubicin and Docetaxel	
BRAJDCARBT				Protocol title updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Docetaxel, Carboplatin, and Trastuzumab (HERCEPTIN)	
BRAJFECD				Protocol title and Institutional name updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Fluorouracil, Epirubicin, Cyclophosphamide and Docetaxel	
BRAJFECDT	Ø			Protocol title updated	Neoadjuvant or Adjuvant Therapy for Breast Cancer using Fluorouracil, Epirubicin and Cyclophosphamide Followed by Docetaxel and Trastuzumab (HERCEPTIN)	
BRAJLHRHAI				Protocol title and Institutional name updated	Neoadjuvant or Adjuvant Ovarian Suppression and Aromatase Inhibitor in Premenopausal Women with High-Risk Early Stage Breast Cancer	
UBRAJPAM	V			Timing of lab tests clarified	Adjuvant Treatment of Post-Menopausal Women using Pamidronate	
BRAJTR				Timing of cardiac monitoring clarified	Adjuvant Therapy for Breast Cancer using Trastuzumab (HERCEPTIN) Following the Completion of Chemotherapy (Sequential)	
BRAJZOL2		$\overline{\checkmark}$		Timing of lab tests clarified	Adjuvant Treatment of Post-Menopausal Women using 3-Monthly Zoledronic Acid	

REVISED PROTOCOLS, PPPOS AND PATIENT HANDOUTS (AFFECTED DOCUMENTS ARE CHECKED)						
CODE	Protocol	PPPO	Patient Handout	Changes	Protocol Title	
BRAJZOL5				Timing of lab tests clarified	Adjuvant Treatment of Post-Menopausal Women using 6-Monthly Zoledronic Acid	
UBRAVPALAI	\square			Lab tests clarified	Therapy of Advanced Breast Cancer using Palbociclib and Aromatase Inhibitor with or without LHRH Agonist	
BRAVPAM	\square			Eligibility and timing of lab tests clarified, Protocol title revised	Prevention of Skeletal Related Events Secondary to Breast Cancer Metastases using Pamidronate	
BRAVPTRAD		Ø		Treatment cycles clarified	Palliative Therapy for Metastatic Breast Cancer using Pertuzumab, Trastuzumab (HERCEPTIN), and Docetaxel as First-Line Treatment for Advanced Breast Cancer	
BRAVPTRAT		Ø		Treatment cycles clarified	Palliative Therapy for Metastatic Breast Cancer using Pertuzumab, Trastuzumab (HERCEPTIN), and Paclitaxel as First-Line Treatment for Advanced Breast Cancer	
BRAVTR				Eligibility clarified, Institutional name updated	Palliative Therapy for Metastatic Breast Cancer using Trastuzumab (HERCEPTIN)	
BRAVZOL				Timing of lab tests clarified	Treatment of Acute Bone Pain Secondary to Breast Cancer Metastases using IV Zoledronic Acid	
CNAJ12TZRT	V		I	Dose Modifications clarified, Institutional name and logo updated	Concomitant (Dual Modality) and 12 Cycles of Adjuvant Temozolomide for Newly Diagnosed Astrocytomas and Oligodendrogliomas with Radiation	
CNAJTZRT	Ø		Ø	Dose Modifications clarified, Institutional name and logo updated	Concomitant (Dual Modality) and Adjuvant Temozolomide for Newly Diagnosed Malignant Gliomas with Radiation	
CNBEV	Ø	Ø	Ø	Dose Modifications clarified, Institutional name and logo updated	Palliative Therapy for Recurrent Malignant Gliomas using Bevacizumab with or without Concurrent Etoposide or Lomustine	
CNCCNU				Dose Modifications clarified	Lomustine (CCNU) for Treatment of Recurrent Malignant Brain Tumours	

REVISED PROTOCOLS, PPPOS AND PATIENT HANDOUTS (AFFECTED DOCUMENTS ARE CHECKED)						
CODE	Protocol	PPPO	Patient Handout	Changes	Protocol Title	
CNELTZRT	Ø		Ø	Dose Modifications clarified, Institutional name and logo updated	Treatment of Elderly Newly Diagnosed Glioma Patient with Concurrent and Adjuvant Temozolomide and Radiation Therapy	
CNQUIN	$\overline{\checkmark}$			Institutional name updated	Suppressive Therapy for Pituitary Adenomas using Quinagolide	
GIAVTZCAP	Ø	Ø	Ø	Dose Modification clarified, Protocols, PPOs and Handouts harmonized	Palliative Therapy of Metastatic Neuroendocrine Cancer using Temozolomide and Capecitabine	
GICIRB	\square			Treatment duration clarified	Palliative Combination Chemotherapy for Metastatic Colorectal Cancer using Irinotecan, Bevacizumab and Capecitabine	
GIFFOXB				Treatment duration clarified	Palliative Combination Chemotherapy for Metastatic Colorectal Cancer using Oxaliplatin, Fluorouracil, Leucovorin and Bevacizumab	
GIPE	$\overline{\checkmark}$	$\overline{\checkmark}$		Treatment duration clarified	Palliative Therapy of Neuroendocrine Tumours using Cisplatin and Etoposide	
GOOVCAD				Carboplatin dose escalation removed	Primary Treatment with Visible or No Visible Residual Tumour (Moderate, High, or Extreme Risk) or Treatment at Relapse of Invasive Epithelial Ovarian, Fallopian Tube, and Primary Peritoneal Cancer, using Carboplatin and Docetaxel	
UGUAVIPNI	V	Ø		Toxicities management formatted, acetaminophen dose clarified	Treatment of Metastatic or Advanced Renal Cell Carcinoma using Ipilimumab and Nivolumab	
UGUAVNIV	Ø			Toxicities management formatted, acetaminophen dose clarified	Treatment of Metastatic or Advanced Renal Cell Carcinoma using Nivolumab	
UGUAVNIV4	V	Ø		Toxicities management formatted, acetaminophen dose clarified	Treatment of Metastatic or Advanced Renal Cell Carcinoma using 4-Weekly Nivolumab	
UHNAVNIV	V	Ø		Toxicities management formatted, acetaminophen dose clarified	Palliative Therapy for Unresectable, Platinum- Refractory, Recurrent or Metastatic Squamous Cell Cancer of the Head and Neck using Nivolumab	

REVISED PROTOCOLS, PPPOS AND PATIENT HANDOUTS (AFFECTED DOCUMENTS ARE CHECKED)						
CODE	Protocol	PPPO	Patient Handout	Changes	Protocol Title	
UHNAVNIV4		Ø		Toxicities management formatted, acetaminophen dose clarified	Palliative Therapy for Unresectable, Platinum- Refractory, Recurrent or Metastatic Squamous Cell Cancer of the Head and Neck using 4-Weekly Nivolumab	
ULUAVOSI				Title updated (PO designation removed)	Treatment of EGFR T790M Mutation-Positive Advanced Non-Small Cell Lung Cancer (NSCLC) with Osimertinib	
LUAVPMTN	$\overline{\mathbf{A}}$			Eligibility clarified	Maintenance Therapy of Advanced Non-Small Cell Lung Cancer (NSCLC) with Pemetrexed	
LULAPE2RT	V		V	Institutional name and Tests updated	Treatment of Locally Advanced Non-Small Cell Lung Cancer using Alternative Dosing of Cisplatin and Etoposide with Radiation Therapy	
LULAPERT	V		V	Institutional name and Tests updated	Treatment of Locally Advanced Non-Small Cell Lung Cancer using Cisplatin and Etoposide with Radiation Therapy	
ULYRICE	V			Tests clarified	Treatment of Relapsed or Refractory Advanced Stage Aggressive B-Cell Non-Hodgkin's Lymphoma with Ifosfamide, Carboplatin, Etoposide and Rituximab	
UMYCARLD		V		Dispensing quantity clarified	Therapy of Multiple Myeloma using Carfilzomib, Lenalidomide with Dexamethasone	
UMYDARBD		Ø		Premedications, Eligibility, Monitoring, PPO reformatted	Treatment of Relapsed and Refractory Multiple Myeloma with Daratumumab in Combination with Bortezomib and Dexamethasone with or without Cyclophosphamide	
UMYDARLD	V	Ø		Premedications, Eligibility, Monitoring, PPO reformatted	Treatment of Relapsed and Refractory Multiple Myeloma with Daratumumab in Combination with Lenalidomide and Dexamethasone	

Website Resources and Contact Information

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Nurse Educators	604-877-6000 x 672638		nursinged@bccancer.bc.ca
Library/Cancer Information	604-675-8003 Toll Free 888-675-8001 x 8003		requests@bccancer.bc.ca
Pharmacy Professional Practice	604-877-6000 x 672247		mlin@bccancer.bc.ca
Provincial Professional Practice Nursing			BCCancerPPNAdmin@ehcnet.phsa.ca
OSCAR	888-355-0355	604-708-2051	oscar@bccancer.bc.ca
Compassionate Access Program (CAP)	604-877-6277	604-708-2026	cap bcca@bccancer.bc.ca
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BC Cancer-Abbotsford	604-851-4710 Toll Free 877-547-3777		
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BC Cancer-Kelowna	250-712-3900 Toll Free 888-563-7773		
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