Systemic Therapy Update



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For Health Professionals Who Care For Cancer Patients

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 BRLATACG Various Changes in Fluoropyrimidine-Based
 Gastrointestinal Protocols: GIAJCAPOX, GIAJFFOX,
 GIAJFL, GIAVFL, GIAVTZCAP, GICAPIRI, GICAPOX,
 GICART, GICIRB, UGICOXB, GICPART, GIEFUPRT,
 GIFFIRB, UGIFFOXB, UGIFIRINOX, GIFOLFIRI,
 GIFOLFOX, GIFUART, GIFUC, GIFUFA, GIFUIP,
 GIFUPART, GIGAIRT, GIGAJCC, GIGAJCPRT, GIGAVCC,
 GIGAVCCT, GIGAVCFT, GIGAVECC, GIGAVECF, GIGECC,
 GIGECF, GIGFOLFIRI, GIHIPEC, GIRAJCOX, GIRAJFFOX,
 GIRINFRT
- Website Resources and Contact Information

EDITOR'S CHOICE

New Programs

The Provincial Systemic Therapy Program has approved the following program effective 1 June 2015:

Combined LHRH Agonist and Aromatase Inhibitors for Breast Cancer (UBRAJLHRHA, BRAVLHRHA) — Tamoxifen is the standard endocrine therapy for premenopausal women with hormone receptor positive breast cancer. These new combinations offer an option to those patients who cannot be treated with tamoxifen (e.g., due to thromboembolic disease) or have tamoxifen intolerance.

HIGHLIGHTS OF CHANGES IN PROTOCOLS, PPPOS AND PATIENT HANDOUTS

Fluoropyrimidine-Based Gastrointestinal Chemotherapy Regimens – Several changes have been implemented:

- 1. Protocols have been revised to clarify INR monitoring, warfarin interactions, and potential cardiac toxicity.
- 2. PPPOs have been updated to ensure INR monitoring and option of weekly nursing assessment are

HIGHLIGHTS OF CHANGES IN PROTOCOLS, PPPOS AND PATIENT HANDOUTS

consistently included in all orders.

3. Patient handouts have been expanded to include loperamide dosing for self-management of diarrhea.

Breast Chemotherapy Protocols – The eligibility of several protocols have been clarified to indicate that the use of these regimens is not restricted to female patients only.

CANCER DRUG MANUAL

HIGHLIGHTS OF REVISED MONOGRAPHS AND HANDOUTS

Aromatase Inhibitors: Blood clots as a side effect has been deleted from the patient handouts for anastrozole, exemestane and letrozole. Although venous thromboembolic events have been reported with aromatase inhibitors in the pivotal trials, the increased risk of blood clot is considered to be low with the additional knowledge gained through clinical experience since the time of the trials. Given that these agents are standard options for patients who cannot take tamoxifen due to thromboembolic risks, the caution on blood clot has been deleted after consultation with the BCCA Breast Tumour Group.

Other changes

- Interferon: supplier information updated
- Melphalan: direct IV administration information clarified, supplier information updated
- Methotrexate: dosing range for high dose regimens clarified

BENEFIT DRUG LIST

New Programs

The following programs have been added to the <u>Benefit Drug List</u> effective 1 June 2015:

| Protocol Title | Protocol Code | Benefit Status |
|--|---------------|----------------|
| Adjuvant therapy for breast cancer using a LHRH agonist (buserelin, goserelin, leuprolide) and an aromatase inhibitor (anastrozole, exemestane, letrozole) | UBRAJLHRHA | Restricted |
| Therapy for advanced breast cancer using a LHRH agonist (buserelin, goserelin, leuprolide) and an aromatase inhibitor (anastrozole, exemestane, letrozole) | BRAVLHRHA | Class I |

LIST OF NEW AND REVISED PROTOCOLS, PRE-PRINTED ORDERS AND PATIENT HANDOUTS

BC Cancer Agency 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 treatments requiring BCCA 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 | | | | | | | |
| UBRAJLHRHA Adjuvant Therapy for Breast Cancer Using a LHRH Agonist and an Aromatase Inhibitor | | | | | | | |
| BRAVLHRHA | Therapy for Advanced Breast Cancer Using a LHRH Agonist and an Aromatase Inhibitor | | | | | | |

| REVISED PROTOCOLS, PPPOS AND PATIENT HANDOUTS (AFFECTED DOCUMENTS ARE CHECKED): | | | | | | | |
|---|-----------|-------------------------|-------------------------|--|--|--|--|
| CODE | Protocol | PPPO | Patient Handout | Changes | Protocol Title | | |
| BRAVABR | \square | $\overline{\checkmark}$ | | Type of infusion bag and equipment clarified | Palliative Therapy for Metastatic Breast Cancer using PACLitaxel-NAB | | |
| UCNBEV | | Ø | | Bevacizumab treatment schedule clarified | Palliative Therapy for Recurrent Malignant Gliomas Using Bevacizumab With or Without Concurrent Etoposide or Lomustine | | |
| GIAJCAP | | | $\overline{\mathbf{A}}$ | Side effects sections expanded | Adjuvant Therapy of Colon Cancer Using Capecitabine | | |
| GIAVCAP | | | V | Side effects sections expanded | Palliative Therapy of Advanced Colorectal Cancer using Capecitabine | | |
| GIAVPG | \square | | | Dose modification clarified | First-line Palliative Chemotherapy for Advanced Gallbladder Cancer and Cholangiocarcinoma using Gemcitabine and CISplatin | | |
| GIFUIP | Ø | | | Precautions on myocardial ischemia and DPD deficiency, maximum mitomycin dose added | Chemotherapy of Pseudomyxoma Peritonei Using Intraperitoneal Mitomycin and Fluorouracil | | |
| GIHIPEC | Ø | | | Precautions on myocardial ischemia and maximum mitomycin dose added | Hyperthermic Intraperitoneal Chemotherapy for Patients with Peritoneal Carcinomatosis from Limited Advanced Colorectal and Appendiceal Carcinomas Using Oxaliplatin and Fluorouracil | | |
| GIRCAP | Ø | | \square | Eligibility clarified in protocol, side effects sections expanded in patient handout | Adjuvant Therapy for Stage II and III Rectal Cancer Previously Treated with Preoperative Radiation Therapy Using Capecitabine | | |
| GIRCRT | | | V | Side effects sections expanded | Combined Modality Adjuvant Therapy for High Risk Rectal Carcinoma Using Capecitabine and Radiation Therapy | | |

| REVISED PROTOCOLS, PPPOS AND PATIENT HANDOUTS (AFFECTED DOCUMENTS ARE CHECKED): | | | | | | | |
|---|---|--|--|--|--|--|--|
| CODE | CODE Protocol PPPO Patient Handout Changes Protocol Title | | | | | | |
| HNNAVP Minor typo corrected in Dose Modifications Palliative Chemotherapy for Advanced Head and Neck Nasopharyngeal Carcinoma with Weekly CISplatin | | | | | | | |

The eligibility of these breast protocols has been revised so they are not restricted to female patients:

| CODE | Protocol Title |
|-----------|---|
| BRAJACTG | Adjuvant Therapy for Breast Cancer Using Dose Dense Therapy: DOXOrubicin and Cyclophosphamide Followed by PACLitaxel |
| BRAJCEFG | Adjuvant Therapy for Breast Cancer Using Cyclophosphamide, Epirubicin, Fluorouracil and Filgrastim |
| BRAJFEC | Adjuvant Therapy for Breast Cancer Using Fluorouracil, Epirubicin and Cyclophosphamide |
| BRINFCEF | Therapy for Inflammatory Breast Cancer Using Cyclophosphamide, Epirubicin and Fluorouracil |
| BRINFCEFG | Therapy for Inflammatory Breast Cancer Using Cyclophosphamide, Epirubicin, Fluorouracil and Filgrastim |
| UBRLA2 | Therapy for Locally Advanced breast cancer Using Cyclophosphamide, DOXOrubicin and Fluorouracil |
| BRLAACD | Treatment of Locally Advanced Breast Cancer Using DOXOrubicin and Cyclophosphamide Followed by DOCEtaxel |
| UBRLACEF | Therapy for Locally Advanced Breast Cancer using Cyclophosphamide, Epirubicin and Fluorouracil |
| BRLACEFG | Therapy for Locally Advanced Breast Cancer Using Cyclophosphamide, Epirubicin, Fluorouracil and Filgrastim |
| BRLATACG | NEOAdjuvant Therapy for Breast Cancer Using Dose Dense Therapy: PACLitaxel Followed by DOXOrubicin and Cyclophosphamide |

The followings have been revised regarding INR monitoring, warfarin interaction, cardiac toxicity, nursing assessment, and loperamide dosing.

| CODE | Protocol | PPPO | Patient Handout | Protocol Title | |
|-----------|-------------------------|-------------------------|-------------------------|---|--|
| GIAJCAPOX | $\overline{\checkmark}$ | | $\overline{\checkmark}$ | Adjuvant Combination Chemotherapy for Stage III and Stage IIB Colon Cancer Using Oxaliplatin and Capecitabine | |
| GIAJFFOX | $\overline{\checkmark}$ | $\overline{\mathbf{V}}$ | $\overline{\checkmark}$ | Adjuvant Combination Chemotherapy for Stage III and Stage IIB Colon Cancer Using Oxaliplatin, Fluorouracil and Leucovorin | |
| GIAJFL | $\overline{\checkmark}$ | $\overline{\mathbf{V}}$ | | Adjuvant Therapy of Colon Cancer Using Fluorouracil Injection and Infusion and Leucovorin Infusion | |
| GIAVFL | $\overline{\checkmark}$ | $\overline{\mathbf{V}}$ | | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Fluorouracil Injection and Infusion and Leucovorin Infusion | |
| GIAVTZCAP | | | | Palliative Therapy of Metastatic Neuroendocrine Cancer Using Temozolomide and Capecitabine | |
| GICAPIRI | | | $\overline{\checkmark}$ | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Irinotecan and Capecitabine in Patients Unsuitable for GIFOLFIRI | |
| GICAPOX | | | | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Oxaliplatin and Capecitabine | |
| GICART | | | $\overline{\checkmark}$ | Combined Modality Therapy for Carcinoma of the Anal Canal Using Mitomycin, Capecitabine and Radiation Therapy | |
| GICIRB | | | | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Irinotecan, Bevacizumab and Capecitabine | |
| UGICOXB | | | | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Oxaliplatin, Bevacizumab and Capecitabine | |
| GICPART | | | $\overline{\mathbf{V}}$ | Combined Modality Therapy for Carcinoma of the Anal Canal Using CISplatin, Capecitabine and Radiation Therapy | |

| CODE | Protocol | PPPO | Patient Handout | Protocol Title | |
|------------|-------------------------|-------------------------|-------------------------|--|--|
| GIEFUPRT | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\checkmark}$ | Combined Modality Therapy for Locally Advanced esophageal Cancer Using Fluorouracil and CISplatin | |
| GIFFIRB | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\checkmark}$ | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Irinotecan, Fluorouracil, Leucovorin, and Bevacizumab | |
| UGIFFOXB | $\overline{\mathbf{Q}}$ | V | $\overline{\mathbf{V}}$ | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Oxaliplatin, Fluorouracil, Leucovorin and Bevacizumab | |
| UGIFIRINOX | $\overline{\checkmark}$ | V | $\overline{\checkmark}$ | Palliative Combination Chemotherapy for Advanced Pancreatic Adenocarcinoma Using Irinotecan, Oxaliplatin, Fluorouracil and Leucovorin | |
| GIFOLFIRI | $\overline{\checkmark}$ | V | $\overline{\checkmark}$ | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Irinotecan, Fluorouracil and Leucovorin | |
| GIFOLFOX | $\overline{\checkmark}$ | V | $\overline{\checkmark}$ | Palliative Combination Chemotherapy for Metastatic Colorectal Cancer Using Oxaliplatin, Fluorouracil and Leucovorin | |
| GIFUART | | | $\overline{\checkmark}$ | Combined Modality Curative Therapy for Carcinoma of the Anal Canal Using Mitomycin, Fluorouracil and Radiation Therapy | |
| GIFUC | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\checkmark}$ | Palliative Chemotherapy for Upper Gastrointestinal Tract Cancer and Metastatic Anal Cancer Using Infusional Fluorouracil and CISplatin | |
| GIFUFA | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\checkmark}$ | Palliative Therapy for Advanced Colorectal Cancer Using Leucovorin and Fluorouracil | |
| GIFUIP | $\overline{\checkmark}$ | | | Chemotherapy of Pseudomyxoma Peritonei Using Intraperitoneal Mitomycin and Fluorouracil | |
| GIFUPART | $\overline{\checkmark}$ | $\overline{\checkmark}$ | $\overline{\square}$ | Combined Modality Curative Therapy for Carcinoma of the Anal Canal Using CISplatin, Infusional Fluorouracil and Radiation Therapy | |
| GIGAIRT | $\overline{\mathbf{A}}$ | $\overline{\checkmark}$ | V | Combined Modality Adjuvant Therapy for Completely Resected Gastric Adenocarcinoma Using Fluorouracil and Folinic Acid and Radiation Therapy | |
| GIGAJCC | | | $\overline{\mathbf{Q}}$ | Adjuvant Chemotherapy of Gastric Cancer Patients with D2 Resection or Ineligible for Adjuvant Chemoradiation, Using CISplatin and Capecitabine | |
| GIGAJCPRT | | | $\overline{\square}$ | Adjuvant Chemotherapy of Gastric Cancer Patients with Completely Resected Gastric Cancer Using CISplatin and Capecitabine and Radiation Therapy | |
| GIGAVCC | | | V | Palliative Therapy for Metastatic or Locally Advanced Gastric Cancer Using CISplatin and Capecitabine | |
| GIGAVCCT | | | $\overline{\mathbf{Q}}$ | Adjuvant Chemotherapy of Gastric Cancer Patients with Completely Resected Gastric Cancer Using CISplatin and Capecitabine and Radiation Therapy | |
| GIGAVCFT | Ø | $\overline{\mathbf{A}}$ | Ø | Palliative Treatment of Metastatic or Inoperable, Locally Advanced Gastric or Gastroesophageal Junction Adenocarcinoma using CISplatin, Infusional Fluorouracil and Trastuzumab | |
| GIGAVECC | | | $\overline{\checkmark}$ | Palliative Therapy for Metastatic or Locally Advanced Gastric or Esophagogastric Cancer Using Epirubicin, CISplatin and Capecitabine | |
| GIGAVECF | $\overline{\mathbf{A}}$ | V | $\overline{\mathbf{Q}}$ | Palliative Therapy for Metastatic or Locally Advanced Gastric, Esophagogastric Cancer Using Epirubicin, CISplatin and Infusional Fluorouracil | |
| GIGECC | | | $\overline{\checkmark}$ | Perioperative Treatment of Resectable Adenocarcinoma of the Stomach, Gastroesophageal Junction or Lower 1/3 Esophagus Using Epirubicin, CISplatin and Capecitabine | |
| GIGECF | Ø | $\overline{\mathbf{A}}$ | | Perioperative Treatment of Resectable Adenocarcinoma of the Stomach, Gastroesophageal Junction or Lower 1/3 Esophagus using Epirubicin, CISplatin and Infusional Fluorouracil | |
| GIGFOLFIRI | $\overline{\mathbf{A}}$ | $\overline{\checkmark}$ | V | Second Line Palliative Combination Chemotherapy for Metastatic Gastric or Esophageal Adenocarcinoma Using Irinotecan, Fluorouracil and Leucovorin | |
| HIPEC | | | | Hyperthermic Intraperitoneal Chemotherapy for Patients with Peritoneal Carcinomatosis from Limited Advanced Colorectal and Appendiceal Carcinomas Using Oxaliplatin and Fluorouracil | |
| GIRAJCOX | | | $\overline{\mathbf{Q}}$ | Adjuvant Combination Chemotherapy for Stage III Rectal Cancer Using Oxaliplatin and Capecitabine | |
| GIRAJFFOX | $\overline{\mathbf{A}}$ | $\overline{\checkmark}$ | $\overline{\mathbf{A}}$ | Adjuvant Combination Chemotherapy for Stage III Rectal Cancer Using Oxaliplatin, Fluorouracil and Leucovorin | |

| CODE | Protocol | PPPO | Patient Handout | Protocol Title |
|----------|-------------------------|------|-------------------------|--|
| GIRINFRT | $\overline{\checkmark}$ | | $\overline{\checkmark}$ | Combined Modality Adjuvant Therapy for High Risk Rectal Carcinoma Using Capecitabine, Infusional Fluorouracil and Radiation Therapy |

| Website Resources and Contact Information | | | | | | |
|---|---|--|--|--|--|--|
| WEBSITE RESOURCES www.bccancer.bc.ca | | | | | | |
| Systemic Therapy Update | www.bccancer.bc.ca/health-professionals/professional-resources/systemic-therapy/systemic-therapy-update | | | | | |
| Reimbursement & Forms: Benefit Drug List, Class II, Compassionate Access Program | www.bccancer.bc.ca/health-professionals/professional-resources/systemic-therapy | | | | | |
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