

## Regimen Reference Order – GAST – cetuximab

ARIA: GAST – [cetuximab]

Planned Course: Weekly until disease progression or unacceptable toxicity (1 cycle = 8 doses)

Indication for Use: Colorectal Cancer Metastatic

CVAD: Preferred

### **Proceed with treatment if:**

**ANC equal to or greater than  $1.5 \times 10^9/L$  AND Platelets equal to or greater than  $100 \times 10^9/L$**

❖ Contact Physician if parameters not met

### SEQUENCE OF MEDICATION ADMINISTRATION

#### Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

#### Treatment Regimen – GAST - cetuximab

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
<b>Dose 1</b>		
dexamethasone	8 mg	IV in normal saline over 15 minutes
diphenhydrAMINE	50 mg	IV in normal saline over 15 minutes
cetuximab	400 mg/m <sup>2</sup> Loading Dose	IV over 2 hours (administered undiluted) Doses greater than 1200 mg must be administered over 2.5 hours Use non-DEHP bags and non-DEHP administration sets with 0.22 micron in-line filter <i>*Nursing Alert: IV tubing is primed with cetuximab</i>
<b>Doses 2 and onwards</b>		
dexamethasone	8 mg	IV in normal saline over 15 minutes
diphenhydrAMINE	50 mg	IV in normal saline over 15 minutes
cetuximab	250 mg/m <sup>2</sup>	IV over 1 hour (administered undiluted) Doses greater than 600 mg must be administered over 2 hours Use non-DEHP bags and non-DEHP administration sets with 0.22 micron in-line filter <i>*Nursing Alert: IV tubing is primed with cetuximab</i>

All doses will be automatically rounded that fall within the DSG Approved Dose Bands. See GAST DSG – Dose Banding document for more information

Flush after each medication:

- 50 mL over 6 minutes (500 mL/hr)

**In the event of an infusion-related hypersensitivity reaction, refer to the 'Hypersensitivity Reaction Standing Order'**

## REQUIRED MONITORING

Prior to beginning of each cycle

- CBC, biochemistry (including calcium and magnesium) as per physician order
- Weekly blood work not required

Cycle 1

Dose 1 and 2

- Full vital signs (temperature, heart rate, respiration, blood pressure and O<sub>2</sub> saturation) at baseline, one hour post infusion and as clinically indicated
- Observe patient post infusion for 1 hour

Doses 3 and onwards

- Full vital signs at baseline, and as clinically indicated

### Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
doxycycline	100 mg	Orally twice daily on Days 2 and 3
hydrocortisone	1%	Apply topically daily at bedtime to face, hands, feet, neck, back and chest as directed
Sunscreen	Minimum SPF 15 (PABA free, zinc oxide or titanium dioxide preferred)	Apply a broad-spectrum sunscreen before going outdoors
Moisturizing lotion	Fragrance-free	Apply to face, hands, feet, neck, back and chest daily in the morning on rising

## DISCHARGE INSTRUCTIONS

- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

## ADDITIONAL INFORMATION

- cetuximab causes dermatological and nail changes
- cetuximab can cause interstitial lung disease, pneumonitis and exacerbation pre-existing fibrotic lung disease