

Regimen Reference Order

GAST – mitoMYcin + fluorouracil (anal protocol)

ARIA: GAST - [mitoMYcin + 5-FU (anal)]

Planned Course: Concurrent with radiation

Indication for Use: Anal Cancer

CVAD: Required (Ambulatory Pump)

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 are not met

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

Treatment Regimen – GAST – mitoMYcin + fluorouracil (anal protocol)

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Days 1 and 29		
dexamethasone	8 mg	Orally 30 minutes pre-chemotherapy
mitoMYcin	10 mg/m ² ; maximum dose 20 mg	IV push over 5 minutes
fluorouracil	4000 mg/m ²	IV in D5W continuously over 96 hours by ambulatory infusion device

All doses will be automatically rounded that fall within CCMB Approved Dose Bands. See Dose Banding document for more information

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

REQUIRED MONITORING

Days 1 and 29

- CBC, serum creatinine, electrolytes, liver enzymes and total bilirubin as per Physician Orders

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
metoclopramide	10 – 20 mg	Orally every 4 hours as needed for nausea and vomiting

DISCHARGE INSTRUCTIONS

- Instruct patient to continue taking anti-emetic(s) at home
- Ensure patient has received a home chemotherapy spill kit and instructions for use
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- mitoMYcin can cause pulmonary toxicity
- Day 1 of this regimen should correspond with the first day of radiation (e.g. first fraction)
- To optimize concurrent administration of chemotherapy and radiation, Day 1 of the regimen is usually a Monday (e.g. fluorouracil ambulatory infusion will be administered from a Monday to Friday)
- Day 29 fluorouracil ambulatory pump usually corresponds with the twenty-first fraction of radiation
- Since mitoMYcin and fluorouracil are given concurrently with radiation, site restrictions are in place