

Regimen Reference Order – Modified INT-0116

ARIA: GAST - [Modified INT-0116]

Planned Course: Cycles 1 and 2: leucovorin and fluorouracil every 14 days
 Cycle 3: fluorouracil with radiation for 6 weeks
 Cycles 4 to 7: leucovorin and fluorouracil every 14 days

Indication for Use: Gastric Cancer; Adjuvant

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 not met**

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

Treatment Regimen – GAST – Modified INT-0116

Establish primary solution 500 mL of: D5W

Drug	Dose	CCMB Administration Guideline
Cycles 1 and 2 & Cycles 4 to 7		
dexamethasone	8 mg	Orally 30 minutes pre-chemotherapy
leucovorin	400 mg/m ²	IV in 500 mL D5W over 90 minutes
fluorouracil	400 mg/m ²	IV Push over 5 minutes
fluorouracil	2400 mg/m ²	IV in D5W continuously over 46 hours by ambulatory infusion device
Cycle 3		
fluorouracil	200 mg/m ² /day	IV in D5W continuously by ambulatory infusion device Start infusion on first day of radiation and continue until last day of radiation (usually 6 weeks) <i>*Alert: Change ambulatory infusion device once every 7 days (i.e. 1400 mg/m² over 168 hours) throughout radiation</i>

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

Cycles 1 and 2 & Cycles 4 to 7

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

Prior to start of Cycle 3

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

During Cycle 3

- CBC once weekly 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

All Cycles

- 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

Cycle 3

- fluorouracil is intended to be administered starting on the first day of radiation and to continue until the last day of radiation (including weekends and holidays when radiation is not administered)
 - If weekly fluorouracil pump supply will extend beyond the last day of radiation, fluorouracil pump can be disconnected on the last day of radiation
 - If prescribed duration of fluorouracil does not match the radiation schedule (i.e. drug duration will end too soon), contact medical oncologist to discuss whether a prescription to extend drug therapy is appropriate

ADDITIONAL INFORMATION

- In the ARIA regimen **GAST - [Modified INT-0116]**, fluorouracil for administration with radiation (CRT Phase) is built as “**Cycle #3**”. As this regimen is built as a 14-day cycle, the start date of “**Cycle 4**” will require manual adjustment
- Since treatment is given concurrently with radiation, site restrictions are in place