

# Regimen Reference Order – SARC – irinotecan + temozolomide

ARIA: SARC – [irinotecan + temozolomide]

Planned Course: Every 21 days until disease progression or unacceptable toxicity

Indication for Use: Ewing Sarcoma Recurrent

CVAD: At Provider’s Discretion

**Proceed with treatment if:**

**Day 1**

- *ANC equal to or greater than  $1.5 \times 10^9/L$  AND Platelets equal to or greater than  $100 \times 10^9/L$*
- *Total bilirubin within normal limits*

**Day 8**

- *ANC equal to or greater than  $1 \times 10^9/L$  AND Platelets equal to or greater than  $75 \times 10^9/L$*
- ❖ **Contact Physician if parameters not met**

## SEQUENCE OF MEDICATION ADMINISTRATION

### Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
Not Applicable		

### Treatment Regimen – SARC – irinotecan + temozolomide

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
<b>Days 1 to 5</b>		
ondansetron	16 mg	Orally 30 minutes prior to temozolomide on <b>Days 1 to 5 (Self-administered at home)</b>
dexamethasone	8 mg	Orally 30 minutes prior to temozolomide on <b>Days 1 to 5 (Self-administered at home)</b>
temozolomide	$100 \text{ mg/m}^2$	Orally <u>at least 1 hour</u> prior to irinotecan on <b>Days 1 to 5</b> on an empty stomach <b>(Self-administered at home)</b>
ondansetron	8 mg	<b>ONLY</b> to be given if ondansetron 16 mg dose was taken more than 8 hours prior to irinotecan  Orally 30 minutes prior to irinotecan
atropine	0.6 mg	IV Push over 2 – 3 minutes prior to irinotecan <b>as needed</b> for irinotecan-associated cramping or diarrhea
irinotecan	$10 \text{ mg/m}^2$	IV in D5W 50 mL over 1 hour

**temozolomide (Temodal®) available dosage strengths: 5 mg, 20 mg, 100 mg, 140 mg and 250 mg capsules**  
**Classification: Cytotoxic, Hazardous**

Days 8 to 12		
ondansetron	16 mg	Orally 30 minutes prior to irinotecan
dexamethasone	8 mg	Orally 30 minutes prior to irinotecan
atropine	0.6 mg	IV Push over 2 – 3 minutes prior to irinotecan <b>as needed</b> for irinotecan-associated cramping or diarrhea
irinotecan	10 mg/m <sup>2</sup>	IV in D5W 50 mL over 1 hour

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

All Cycles

Prior to Day 1

- CBC, biochemistry, electrolytes as per physician order

Prior to Day 8

- CBC, as per physician order (CBC to be drawn on Day 5)

## Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
ondansetron	8 mg	Orally three times daily as needed for nausea and vomiting
metoclopramide	10 – 20 mg	Orally every 4 – 6 hours as needed for nausea and vomiting
loperamide	2 - 4 mg	Orally as directed below

## DISCHARGE INSTRUCTIONS

- Instruct patient to continue taking anti-emetic(s) at home
- If cramping or diarrhea occurs within 24 hours of irinotecan administration:
  - Contact your cancer care team. A second dose of intravenous atropine may be required
- If cramping or diarrhea occurs more than 24 hours after irinotecan administration:
  - Take loperamide 4 mg (two 2 mg tablets) orally STAT; then
  - During the day: take 2 mg (one 2 mg tablet) orally every 2 hours
  - During the night: Take 4 mg (two 2 mg tablets) orally at bedtime and then every 4 hours until morning
  - STOP loperamide once no bowel movement has occurred (e.g. diarrhea-free) for 12 hours
  - If diarrhea has not stopped despite taking **12 tablets (24 mg) of loperamide over a 24 hour period**, please contact your clinic for further instructions. If this occurs after clinic hours, please call the Medical Oncologist on-call and/or report to the nearest emergency room/urgent care centre. Please note that 24 mg per 24 hours is higher than the usual “over the counter” dose for loperamide
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

## ADDITIONAL INFORMATION

- Nursing to provide patient with 30 tablet supply of loperamide 2 mg, labelled by Pharmacy, to take home with Cycle 1