

Regimen Reference Order – irinotecan desensitization

irinotecan desensitization protocol is prescribed in combination with an irinotecan-based protocol

To order this therapy in ARIA, refer to Additional Information below

Planned Course: Refer to prescribed irinotecan-based protocol

Indication for Use: Eligible patients with previous hypersensitivity reactions to irinotecan

Alert: Desensitization protocol

irinotecan:

- *irinotecan is prepared in 3 separate bags with a total volume of 500 mL plus drug volume in each bag*
- *irinotecan must be the first chemotherapy agent administered when given in combination with another chemotherapy agent*
- *IV tubing is primed with irinotecan (Cytotoxic)*
- *irinotecan is administered slowly following specified rate increases. irinotecan infusion takes approximately 5.5 hours to complete*

CVAD: At Provider's Discretion

Blood work requirements:

- ❖ *Refer to prescribed irinotecan-based protocol*

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed irinotecan-based protocol</i>		

Treatment Regimen – irinotecan desensitization

Establish primary solution 500 mL of: D5W

Drug	Dose	CCMB Administration Guideline
Antiemetics	Refer to prescribed irinotecan-based protocol	
montelukast	10 mg	Orally 1 hour prior to irinotecan
cetirizine	20 mg	Orally 1 hour prior to irinotecan
acetylsalicylic acid	650 mg	Orally 1 hour prior to irinotecan
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to irinotecan <i>*Nursing Alert: irinotecan starts 1 hour after completion of dexamethasone infusion</i>

Wait 1 hour after completion of IV pre-medication(s) before starting irinotecan		
atropine	0.6 mg	IV Push over 2 to 3 minutes prior to irinotecan May be repeated once if diarrhea occurs during irinotecan infusion
irinotecan	1/100 th (1%) of dose (BAG 1)	IV in D5W 500 mL following the administration rates below: Step 1: 6 mL/hour for 15 minutes, then Step 2: 11 mL/hour for 15 minutes, then Step 3: 23 mL/hour for 15 minutes, then Step 4: 45 mL/hour for 15 minutes Once step 4 is complete, discard remainder of bag and proceed immediately to BAG 2 <i>*Alert: Pharmacy to ensure final volume in bag = 500 mL plus drug volume</i> <i>*Alert: irinotecan must be the first chemotherapy agent administered when given in combination with another chemotherapy agent</i> <i>*Nursing Alert: IV tubing is primed with irinotecan</i>
	1/10 th (10%) of dose (BAG 2)	IV in D5W 500 mL following the administration rates below: Step 5: 11 mL/hour for 15 minutes, then Step 6: 23 mL/hour for 15 minutes, then Step 7: 45 mL/hour for 15 minutes, then Step 8: 90 mL/hour for 15 minutes Once step 8 is complete, discard remainder of bag and proceed immediately to BAG 3 <i>*Alert: Pharmacy to ensure final volume in bag = 500 mL plus drug volume</i> <i>*Nursing Alert: IV tubing is primed with irinotecan</i>
	99.2% of dose (BAG 3)	IV in D5W 500 mL following the administration rates below: Step 9: 23 mL/hour for 15 minutes, then Step 10: 45 mL/hour for 15 minutes, then Step 11: 90 mL/hour for 15 minutes, then Step 12: 180 mL/hour until infusion is complete <i>*Alert: Pharmacy to ensure final volume in bag = 500 mL plus drug volume</i> <i>*Nursing Alert: IV tubing is primed with irinotecan</i>

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

REQUIRED MONITORING

All Cycles

- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O₂ saturation) at baseline and as clinically indicated
- No observation period is required after irinotecan administration. Patient can be discharged from treatment room if stable whether they had a reaction or not
- Refer to the prescribed irinotecan-based protocol for additional monitoring

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
<i>Refer to prescribed irinotecan-based protocol</i>		

DISCHARGE INSTRUCTIONS

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity occur after discharge
- Refer to the prescribed irinotecan-based protocol for additional instructions
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- Oncologist must write first prescription of irinotecan desensitization protocol
- Once the patient requires irinotecan desensitization protocol, all subsequent irinotecan doses must be given using irinotecan desensitization protocol
- Refer to the prescribed irinotecan-based protocol for additional irinotecan information
- **ARIA ordering:** Support protocol is available under **irinotecan** in the “Desensitization” folder
- Due to the duration of treatment, administration site restrictions may be in place for irinotecan desensitization