

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

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*
- *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
Administration of irinotecan by desensitization is used in place of irinotecan by standard administration in the prescribed protocol. Follow the sequence of drug administration of the prescribed irinotecan-based protocol		
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>*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