

Regimen Reference Order – CARBOplatin desensitization

CARBOplatin desensitization protocol is prescribed in combination with a CARBOplatin-based protocol

ARIA: SUPP - [CARBOplatin desensitization]

Planned Course: Refer to prescribed CARBOplatin-based protocol

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

Alert: Desensitization protocol

CARBOplatin:

- *CARBOplatin is prepared in a total volume of 500 mL by Pharmacy*
- *CARBOplatin must be the first chemotherapy agent administered when given in combination with another chemotherapy agent*
- *IV tubing is primed with CARBOplatin (Cytotoxic)*
- *CARBOplatin is administered slowly following specified rate increases. CARBOplatin infusion takes approximately 4.5 hours to complete*

CVAD: At Provider’s Discretion

Blood work requirements:

- ❖ *Refer to prescribed CARBOplatin-based protocol*

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

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

Treatment Regimen – CARBOplatin desensitization

Establish primary solution 500 mL of: refer to solution in prescribed CARBOplatin-based protocol

Drug	Dose	CCMB Administration Guideline
Antiemetics	Antiemetics must be given prior to CARBOplatin. Refer to prescribed CARBOplatin-based protocol	
cetirizine	20 mg	Orally 1 hour prior to CARBOplatin
acetaminophen	650 mg	Orally 1 hour prior to CARBOplatin
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to CARBOplatin <i>*Nursing Alert: CARBOplatin starts 1 hour after completion of dexamethasone infusion</i>

famotidine	20 mg	IV in normal saline 50 mL over 15 minutes 45 minutes prior to CARBOplatin
Wait 45 minutes after completion of IV pre-medication(s) before starting CARBOplatin		
CARBOplatin	Dose as specified in protocol	<p>IV in 500 mL D5W following the administration rates below:</p> <p>Step 1: 2 mL/hour for 15 minutes, then</p> <p>Step 2: 4 mL/hour for 15 minutes, then</p> <p>Step 3: 6 mL/hour for 15 minutes, then</p> <p>Step 4: 8 mL/hour for 15 minutes, then</p> <p>Step 5: 10 mL/hour for 15 minutes, then</p> <p>Step 6: 15 mL/hour for 15 minutes, then</p> <p>Step 7: 30 mL/hour for 15 minutes, then</p> <p>Step 8: 60 mL/hour for 15 minutes, then</p> <p>Step 9: 80 mL/hour for 15 minutes, then</p> <p>Step 10: 100 mL/hour for 15 minutes, then</p> <p>Step 11: 120 mL/hour for 15 minutes, then</p> <p>Step 12: 140 mL/hour for 15 minutes, then</p> <p>Step 13: 160 mL/hour for 15 minutes, then</p> <p>Step 14: 180 mL/hour for 15 minutes, then</p> <p>Step 15: 200 mL/hour for 15 minutes, then</p> <p>Step 16: 400 mL/hour for 15 minutes, then</p> <p>Step 17: 600 mL/hour until infusion is complete</p> <p><i>*Alert: Pharmacy to ensure final volume in bag = 500 mL</i></p> <p><i>*Alert: CARBOplatin must be the first chemotherapy agent administered when given in combination with another chemotherapy agent</i></p> <p><i>*Nursing Alert: IV tubing is primed with CARBOplatin</i></p>

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 CARBOplatin administration. Patient can be discharged from treatment room if stable whether they had a reaction or not
- Refer to the prescribed CARBOplatin-based protocol for additional monitoring

Recommended Support Medications

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

DISCHARGE INSTRUCTIONS

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity reactions occur after discharge
- Refer to the prescribed CARBOplatin-based protocol for additional discharge 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 CARBOplatin desensitization protocol
- Once the patient requires CARBOplatin desensitization protocol, all subsequent CARBOplatin doses must be given using CARBOplatin desensitization protocol
- Refer to the prescribed CARBOplatin-based protocol for additional CARBOplatin information
- Support protocol is available under **CARBOplatin** in the “Desensitization” folder
- Due to the duration of treatment, administration site restrictions may be in place for CARBOplatin desensitization when given in combination with PACLitaxel