

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 Grade 3 or 4 infusion-related 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. Administration takes a minimum of 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	
acetaminophen	650 mg	Orally 60 minutes prior to CARBOplatin
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 45 minutes prior to CARBOplatin <i>*Nursing Alert: CARBOplatin starts 45 minutes after completion of dexamethasone infusion</i>
diphenhydrAMINE	50 mg	IV in normal saline 50 mL over 15 minutes

famotidine	20 mg	IV in normal saline 50 mL over 15 minutes
Wait 30 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>Concentration dependent drug: Pharmacy will adjust diluent volume to ensure drug stability</i></p> <p><i>*Nursing Alert: IV tubing is primed with CARBOplatin</i></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>
cetirizine	10 mg	cetirizine should be given prior to PACLitaxel or another chemotherapy agent when included in the prescribed CARBOplatin-based protocol

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

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
<i>Refer to the 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