

## Regimen Reference Order – CARBOplatin desensitization

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

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

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 <b>1 hour</b> prior to CARBOplatin
acetaminophen	650 mg	Orally <b>1 hour</b> prior to CARBOplatin
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes <b>1 hour</b> 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 <b>45 minutes</b> prior to CARBOplatin
<b>Wait 45 minutes after completion of IV pre-medication(s) before starting CARBOplatin</b>		
CARBOplatin	Dose as specified in protocol	<p>IV in <b>500 mL</b> D5W following the administration rates below:</p> <p><b>Step 1:</b> 2 mL/hour for 15 minutes, then</p> <p><b>Step 2:</b> 4 mL/hour for 15 minutes, then</p> <p><b>Step 3:</b> 6 mL/hour for 15 minutes, then</p> <p><b>Step 4:</b> 8 mL/hour for 15 minutes, then</p> <p><b>Step 5:</b> 10 mL/hour for 15 minutes, then</p> <p><b>Step 6:</b> 15 mL/hour for 15 minutes, then</p> <p><b>Step 7:</b> 30 mL/hour for 15 minutes, then</p> <p><b>Step 8:</b> 60 mL/hour for 15 minutes, then</p> <p><b>Step 9:</b> 80 mL/hour for 15 minutes, then</p> <p><b>Step 10:</b> 100 mL/hour for 15 minutes, then</p> <p><b>Step 11:</b> 120 mL/hour for 15 minutes, then</p> <p><b>Step 12:</b> 140 mL/hour for 15 minutes, then</p> <p><b>Step 13:</b> 160 mL/hour for 15 minutes, then</p> <p><b>Step 14:</b> 180 mL/hour for 15 minutes, then</p> <p><b>Step 15:</b> 200 mL/hour for 15 minutes, then</p> <p><b>Step 16:</b> 400 mL/hour for 15 minutes, then</p> <p><b>Step 17:</b> 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 O<sub>2</sub> 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>		

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## DISCHARGE INSTRUCTIONS

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- 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

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## ADDITIONAL INFORMATION

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- 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
- **ARIA ordering:** 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