

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

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
Administration of CARBOplatin by desensitization is used in place of CARBOplatin by standard administration in the prescribed protocol. When given in combination with multi-agent chemotherapy protocols, CARBOplatin must be the first chemotherapy agent administered		
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	IV in 500 mL D5W following the administration rates below: Step 1: 2 mL/hour for 15 minutes, then Step 2: 4 mL/hour for 15 minutes, then Step 3: 6 mL/hour for 15 minutes, then Step 4: 8 mL/hour for 15 minutes, then Step 5: 10 mL/hour for 15 minutes, then Step 6: 15 mL/hour for 15 minutes, then Step 7: 30 mL/hour for 15 minutes, then Step 8: 60 mL/hour for 15 minutes, then Step 9: 80 mL/hour for 15 minutes, then Step 10: 100 mL/hour for 15 minutes, then Step 11: 120 mL/hour for 15 minutes, then Step 12: 140 mL/hour for 15 minutes, then Step 13: 160 mL/hour for 15 minutes, then Step 14: 180 mL/hour for 15 minutes, then Step 15: 200 mL/hour for 15 minutes, then Step 16: 400 mL/hour for 15 minutes, then Step 17: 600 mL/hour until infusion is complete <i>*Alert: Pharmacy to ensure final volume in bag = 500 mL</i> <i>*Alert: CARBOplatin must be the first chemotherapy agent administered when given in combination with another chemotherapy agent</i> <i>*Nursing Alert: IV tubing is primed with CARBOplatin</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 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
Refer to prescribed CARBOplatin-based protocol		

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
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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
- **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