

IP CARBOPLATIN DESENSITIZATION

Types: ONCOLOGY TREATMENT

Synonyms: CARBO, DESENS

Cycle 1	Repeat 1 time	Cycle length: 1 day	Perform every 1 day x1
Day 1			
Nursing Orders			
	ONC PROVIDER COMMUNICATION 53		
Interval: Until discontinued	Occurrences: --		
Comments:	All carboplatin desensitization protocols will start at 9 am of the treatment day. Any carboplatin desensitization protocol ordered after 9am will start on the following day.		
Labs			
	<input checked="" type="checkbox"/> COMPREHENSIVE METABOLIC PANEL		
Interval: Once	Occurrences: --		
	<input checked="" type="checkbox"/> CBC WITH PLATELET AND DIFFERENTIAL		
Interval: Once	Occurrences: --		
	<input checked="" type="checkbox"/> MAGNESIUM LEVEL		
Interval: Once	Occurrences: --		
	<input type="checkbox"/> BASIC METABOLIC PANEL		
Interval: Once	Occurrences: --		
	<input type="checkbox"/> PULMONARY FUNCTION TEST		
Interval: Once	Occurrences: --		
	<input type="checkbox"/> URINALYSIS, AUTOMATED WITH MICROSCOPY		
Interval: Once	Occurrences: --		
	<input type="checkbox"/> TYPE AND SCREEN		
Interval: Once	Occurrences: --		
Nursing Orders			
	TREATMENT CONDITIONS 7		
Interval: Until discontinued	Occurrences: --		
Comments:	HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 100,000.		
Line Flush			
	sodium chloride 0.9 % flush 20 mL		
Dose: 20 mL	Route: intravenous	PRN	
Start: S			
Nursing Orders			
	sodium chloride 0.9 % infusion 250 mL		
Dose: 250 mL	Route: intravenous	once @ 30 mL/hr for 1 dose	
Start: S			
Instructions:	To keep vein open.		
Hvdration			

(No Medication Selected)

Dose: -- Route: intravenous continuous
Start: S
Ingredients:

Name	Type	Dose	Selected	Adds Vol.
DEXTROSE 5 % IN	Base	1,000 mL	No	Yes
WATER (D5W)				
INTRAVENOUS				
SOLUTION				

Provider Communication

ONC PROVIDER COMMUNICATION 52

Interval: Until Occurrences: --

discontinued

Comments: AUC: ***

Total carboplatin dose: ***

Please manually calculate and enter in Dose 1, 2, 3, 4.

Pre-Medications

ondansetron (ZOFTRAN) 16 mg, dexamethasone (DECADRON) 20 mg in sodium chloride 0.9 %

50 mL IVPB

Dose: -- Route: intravenous once over 15 Minutes for 1 dose

Start: S 9:00 AM End: S 11:42 PM

Instructions:

Administer 30 minutes prior to FIRST

Carboplatin dose on Day 1.

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
ONDANSETRON	Medications	16 mg	Yes	No
HCL 2 MG/ML				
INTRAVENOUS				
SOLUTION				
DEXAMETHASONE	Medications	20 mg	Yes	No
4 MG/ML				
INJECTION				
SOLUTION				
SODIUM	Base	50 mL	Yes	Yes

CHLORIDE 0.9 %
INTRAVENOUS
SOLUTION
DEXTROSE 5 % IN Base 50 mL No Yes
WATER (D5W)
INTRAVENOUS
SOLUTION

diphenhydramine (BENADRYL) injection 25

mg

Dose: 25 mg Route: intravenous once for 1 dose
Start: S 9:00 AM

Instructions:

Administer 30 minutes prior to FIRST
Carboplatin dose on Day 1.

famotidine (PEPCID) 20 mg/2 mL injection 20

mg

Dose: 20 mg Route: intravenous once for 1 dose
Start: S 9:00 AM

Instructions:

Administer 30 minutes prior to FIRST
Carboplatin dose on Day 1.

Chemotherapy

CARBOplatin (PARAplatin) in dextrose 5% 150

mL chemo IVPB

Dose: -- Route: intravenous once over 90 Minutes for 1 dose
Offset: 30 Minutes

Instructions:

Dose 1 = 1/1000 of the total dose infused over
90 minutes.

Ingredients:

Name	Type	Dose	Selected	Adds	Vol.
CARBOPLATIN 10 MG/ML INTRAVENOUS SOLUTION	Medications	150 mL	Main Ingredient	Yes	
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	150 mL	Yes		Yes
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	150 mL	No		Yes

CARBOplatin (PARAplatin) in dextrose 5% 150

mL chemo IVPB

Dose: -- Route: intravenous once over 90 Minutes for 1 dose
Offset: 120 Minutes

Instructions:

Dose 2 = 1/100 of the total dose infused over
90 minutes.

Ingredients:

Name	Type	Dose	Selected	Adds	Vol.
CARBOPLATIN 10 MG/ML INTRAVENOUS SOLUTION	Medications	150 mL	Main Ingredient	Yes	
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	150 mL	Yes		Yes
SODIUM CHLORIDE 0.9 %	QS Base	150 mL	No		Yes

		INTRAVENOUS SOLUTION				
CARBOplatin (PARAplatin) in dextrose 5% 150 mL chemo IVPB						
Dose: --	Route: intravenous	once over 90 Minutes for 1 dose				
		Offset: 210 Minutes				
Instructions:	Dose 3 = 1/10 of the total dose infused over 90 minutes.					
Ingredients:	Name	Type	Dose			
	CARBOPLATIN 10 MG/ML INTRAVENOUS SOLUTION	Medications				
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	150 mL			
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	150 mL			
			Yes			
			Yes			
			No			
			Yes			
Nursing Orders						
ONC CARBO DESENSITIZATION AFTER DOSE 3						
Interval: Until discontinued	Occurrences: --					
Comments:	After completion of dose 3 of carboplatin and if no hypersensitivity reactions noted, please call pharmacy for dose 4 to be delivered.					
Pre-Medications						
diphenhydramine (BENADRYL) injection 25 mg						
Dose: 25 mg	Route: intravenous	once for 1 dose				
		Offset: 300 Minutes				
Instructions:	Administer 30 minutes prior to LAST Carboplatin dose on Day 1.					
ondansetron (ZOFTRAN) 8 mg in sodium chloride 0.9 % 50 mL IVPB						
Dose: --	Route: intravenous	once over 15 Minutes for 1 dose				
		Offset: 300 Minutes				
Instructions:	Administer 30 minutes prior to LAST Carboplatin dose on Day 1.					
Ingredients:	Name	Type	Dose			
	ONDANSETRON HCL 2 MG/ML INTRAVENOUS SOLUTION	Medications	8 mg			
	DEXAMETHASONE 4 MG/ML INJECTION SOLUTION	Medications	20 mg			
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL			
	DEXTROSE 5 % IN WATER (D5W)	Base	50 mL			
			Yes			
			No			
			Yes			

INTRAVENOUS SOLUTION

Chemotherapy

CARBOplatin (PARAplatin) in dextrose 5% 250 mL chemo IVPB

Dose: -- Route: intravenous once over 6 Hours for 1 dose
Offset: 330 Minutes

Instructions:

once over 6 Hours for 1 dose
Offset: 330 Minutes

Instructions:

Dose 4 = Total dose minus the sum of the 3 previous doses over 6 hours.

Ingredients:	Name	Type	Dose	Selected	Adds	Vol.
	CARBOPLATIN 10 MG/ML INTRAVENOUS SOLUTION	Medications		Main Ingredient		Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	250 mL	Yes		Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	No		Yes

Hematology & Oncology Hypersensitivity Reaction Standing Order

ONC NURSING COMMUNICATION 82

Interval: Until

Occurrences: --

discontinued

Grade 1 - MILD Symptoms (cutaneous and subcutaneous symptoms only – itching, flushing, periorbital edema, rash, or runny nose)

1. Stop the infusion.
2. Place the patient on continuous monitoring.
3. Obtain vital signs.
4. Administer Normal Saline at 50 mL per hour using a new bag and new intravenous tubing.
5. If greater than or equal to 30 minutes since the last dose of Diphenhydramine, administer Diphenhydramine 25 mg intravenous once.
6. If less than 30 minutes since the last dose of Diphenhydramine, administer Fexofenadine 180 mg orally and Famotidine 20 mg intravenous once.
7. Notify the treating physician.
8. If no improvement after 15 minutes, advance level of care to Grade 2 (Moderate) or Grade 3 (Severe).
9. Assess vital signs every 15 minutes until resolution of symptoms or otherwise ordered by covering physician.

ONC NURSING COMMUNICATION 83

Interval: Until

Occurrences: --

discontinued

Grade 2 – MODERATE Symptoms (cardiovascular, respiratory, or gastrointestinal symptoms – shortness of breath, wheezing, nausea, vomiting, dizziness, diaphoresis, throat or chest tightness, abdominal or back pain)

1. Stop the infusion.
2. Notify the CERT team and treating physician immediately.
3. Place the patient on continuous monitoring.
4. Obtain vital signs.
5. Administer Oxygen at 2 L per minute via nasal cannula. Titrate to maintain O₂ saturation of greater than or equal to 92%.
6. Administer Normal Saline at 150 mL per hour using a new bag and

HEParin, porcine (PF) injection 500 Units

Dose: 500 Units Route: intra-catheter once PRN

Start: S

Instructions:

Concentration: 100 units/mL. Heparin flush for
Implanted Vascular Access Device
maintenance.