

IP ICE

Types: ONCOLOGY TREATMENT

Synonyms: ETOPOSIDE, VP16, CARBOPLATIN, CARBO, PARAPLATIN, MESNA, LYMPHOMA

Cycle 1	Repeat 1 time	Cycle length: 21 days
Day 1 Perform every 1 day x1		
Provider Communication		
ONC PROVIDER COMMUNICATION 5		
Interval: Once	Occurrences: --	
Comments:	Use baseline weight to calculate dose. Adjust dose for weight gains/losses of greater than or equal to 10%.	
Labs		
<input checked="" type="checkbox"/>	CBC WITH PLATELET AND DIFFERENTIAL	
Interval: Once	Occurrences: --	
<input checked="" type="checkbox"/>	COMPREHENSIVE METABOLIC PANEL	
Interval: Once	Occurrences: --	
<input checked="" type="checkbox"/>	MAGNESIUM LEVEL	
Interval: Once	Occurrences: --	
<input type="checkbox"/>	LDH	
Interval: Once	Occurrences: --	
<input type="checkbox"/>	URIC ACID LEVEL	
Interval: Once	Occurrences: --	
Nursing Orders		
TREATMENT CONDITIONS 7		
Interval: Once	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.	
Hydration		
sodium chloride 0.9 % infusion		
Dose: 100 mL/hr	Route: intravenous	continuous
Start: S		
Pre-Medications		
ondansetron (ZOFRAN) 16 mg, dexamethasone (DECADRON) 12 mg in sodium chloride 0.9 % 50 mL IVPB		
<input checked="" type="checkbox"/>		
Dose: --	Route: intravenous	once over 15 Minutes for 1 dose
Start: S		
Ingredients:	Name	Type Dose Selected Adds Vol.

ONDANSETRON HCL (PF) 4 MG/2 ML INJECTION SOLUTION	Medications	16 mg	Yes	No
DEXAMETHASONE 4 MG/ML INJECTION SOLUTION	Medications	12 mg	Yes	No
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL	Always	Yes
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

ondansetron (ZOFTRAN) tablet 16 mg

Dose: 16 mg Route: oral once for 1 dose
Start: S

dexamethasone (DECADRON) tablet 12 mg

Dose: 12 mg Route: oral once for 1 dose
Start: S

Chemotherapy

etoposide (TOPOSAR) 100 mg/m2 in sodium chloride (NON-PVC) 0.9 % 500 mL chemo IVPB

Dose: 100 mg/m2 Route: intravenous once over 2 Hours for 1 dose
Offset: 30 Minutes

Instructions:

Administer through a 0.22 micron filter and non-PVC tubing set.

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
ETOPOSIDE 20 MG/ML INTRAVENOUS SOLUTION	Medications	100 mg/m2	Main Ingredient	Yes
SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	QS Base	500 mL	Yes	Yes

Hematology & Oncology Hypersensitivity Reaction Standing Order

ONC NURSING COMMUNICATION 82

Interval: Until discontinued

Occurrences: --

Comments:

- 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 discontinued
Comments:

Occurrences: --

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 new intravenous tubing.
7. Administer Hydrocortisone 100 mg intravenous (if patient has allergy to Hydrocortisone, please administer Dexamethasone 4 mg intravenous), Fexofenadine 180 mg orally and Famotidine 20 mg intravenous once.
8. If no improvement after 15 minutes, advance level of care to Grade 3 (Severe).
9. Assess vital signs every 15 minutes until resolution of symptoms or otherwise ordered by covering physician.

ONC NURSING COMMUNICATION 4

Interval: Until discontinued
Comments:

Occurrences: --

Grade 3 – SEVERE Symptoms (hypoxia, hypotension, or neurologic compromise – cyanosis or O₂ saturation less than 92%, hypotension with systolic blood pressure less than 90 mmHg, confusion, collapse, loss of consciousness, or incontinence)

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. If heart rate is less than 50 or greater than 120, or blood pressure is less than 90/50 mmHg, place patient in reclined or flattened position.
6. Administer Oxygen at 2 L per minute via nasal cannula. Titrate to maintain O₂ saturation of greater than or equal to 92%.
7. Administer Normal Saline at 1000 mL intravenous bolus using a new bag and new intravenous tubing.
8. Administer Hydrocortisone 100 mg intravenous (if patient has allergy to Hydrocortisone, please administer Dexamethasone 4 mg intravenous) and Famotidine 20 mg intravenous once.
9. Administer Epinephrine (1:1000) 0.3 mg subcutaneous.
10. Assess vital signs every 15 minutes until resolution of symptoms or otherwise ordered by covering physician.

diphenhydramine (BENADRYL) injection 25 mg

Dose: 25 mg Route: intravenous PRN
Start: S

fexofenadine (ALLEGRA) tablet 180 mg

Dose: 180 mg Route: oral PRN
Start: S

famotidine (PEPCID) 20 mg/2 mL injection 20 mg

Dose: 20 mg Route: intravenous PRN
Start: S

hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg

Dose: 100 mg Route: intravenous PRN

dexamethasone (DECADRON) injection 4 mg

Dose: 4 mg Route: intravenous PRN
Start: S

epINEPHrine (ADRENALIN) 1 mg/10 mL ADULT injection syringe 0.3 mg

Dose: 0.3 mg Route: subcutaneous PRN
Start: S

Discharge Nursing Orders

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN

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.

Day 2

Perform every 1 day x1

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.

Pre-Medications

ondansetron (ZOFRAN) 16 mg, dexamethasone (DECADRON) 12 mg in sodium chloride 0.9 % 50 mL IVPB

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

Start: S

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
ONDANSETRON HCL (PF) 4 MG/2 ML INJECTION SOLUTION	Medications	16 mg	Yes	No
DEXAMETHASONE 4 MG/ML INJECTION SOLUTION	Medications	12 mg	Yes	No
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL	Always	Yes
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

ondansetron (ZOFRAN) tablet 16 mg

Dose: 16 mg Route: oral once for 1 dose

Start: S

dexamethasone (DECADRON) tablet 12 mg

Dose: 12 mg Route: oral once for 1 dose
 Start: S

Pre-Medications

aprepitant (CINVANTI) 130 mg in dextrose (NON-PVC) 5% 130 mL IVPB

Dose: 130 mg Route: intravenous once over 30 Minutes for 1 dose
 Start: S End: S

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	APREPITANT 7.2 MG/ML	Medications	130 mg	Main Ingredient	Yes
	INTRAVENOUS EMULSION DEXTROSE 5 % IN WATER (D5W) IV SOLP (EXCEL; NON-PVC)	Base	130 mL	Yes	Yes
	SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	Base	130 mL	No	Yes

Chemotherapy

CARBOplatin (PARAplatin) in sodium chloride 0.9 % 250 mL chemo IVPB

AUC: 5 Use AUC Route: intravenous once over 2 Hours for 1 dose
 Offset: 45 Minutes

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

Chemotherapy

etoposide (TOPOSAR) 100 mg/m2 in sodium chloride (NON-PVC) 0.9 % 500 mL chemo IVPB

Dose: 100 mg/m2 Route: intravenous once over 2 Hours for 1 dose
 Offset: 2.75 Hours

Instructions:
 Administer through a 0.22 micron filter and non-PVC tubing set.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	ETOPOSIDE 20 MG/ML	Medications	100 mg/m2	Main Ingredient	Yes
	INTRAVENOUS SOLUTION SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	QS Base	500 mL	Yes	Yes

Chemotherapy

ifosfamide (IFEX) 5,000 mg/m2, mesna (MESNEX) 5,000 mg/m2 in dextrose 5% 500 mL

chemo IVPB

Dose: 5,000 mg/m2

Route: intravenous

once over 24 Hours for 1 dose

Offset: 4.75 Hours

Ingredients:**Name****Type****Dose****Selected****Adds Vol.**IFOSFAMIDE 1
GRAM

Medications

5,000
mg/m2Main
Ingredient

Yes

INTRAVENOUS
SOLUTIONMESNA 100 MG/ML
INTRAVENOUS

Medications

5,000
mg/m2

Yes

Yes

SODIUM
CHLORIDE 0.9 %

QS Base

No

Yes

INTRAVENOUS
SOLUTIONDEXTROSE 5 % IN
WATER (D5W)

QS Base

500 mL

Yes

Yes

INTRAVENOUS
SOLUTION

SOLUTION

Day 3

Perform every 1 day x1

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.

Pre-Medications

ondansetron (ZOFTRAN) 16 mg, dexamethasone **(DECADRON) 12 mg in sodium chloride 0.9 %****50 mL IVPB**

Dose: --

Route: intravenous

once over 15 Minutes for 1 dose

Start: S

Ingredients:**Name****Type****Dose****Selected****Adds Vol.**ONDANSETRON
HCL (PF) 4 MG/2

Medications

16 mg

Yes

No

ML INJECTION
SOLUTIONDEXAMETHASONE
4 MG/ML

Medications

12 mg

Yes

No

INJECTION
SOLUTIONSODIUM
CHLORIDE 0.9 %

Base

50 mL

Always

Yes

INTRAVENOUS
SOLUTIONDEXTROSE 5 % IN
WATER (D5W)

Base

No

Yes

INTRAVENOUS
SOLUTION **ondansetron (ZOFTRAN) tablet 16 mg**

Dose: 16 mg

Route: oral

once for 1 dose

Start: S

 dexamethasone (DECADRON) tablet 12 mg

Dose: 12 mg

Route: oral

once for 1 dose

Start: S

Chemotherapy

**etoposide (TOPOSAR) 100 mg/m2 in sodium
chloride (NON-PVC) 0.9 % 500 mL chemo IVPB**

Dose: 100 mg/m2 Route: intravenous once over 2 Hours for 1 dose
Offset: 30 Minutes

Instructions:
Administer through a 0.22 micron filter and non-PVC tubing set.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	ETOPOSIDE 20 MG/ML INTRAVENOUS SOLUTION	Medications	100 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	QS Base	500 mL	Yes	Yes

Chemotherapy

mesna (MESNEX) 2,000 mg/m2 in dextrose 5%

500 mL chemo IVPB

Dose: 2,000 mg/m2 Route: intravenous once over 12 Hours for 1 dose
Offset: 3 Hours

Instructions:
Administer Mesna 24 hours from the START of Ifosfamide infusion.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	2,000 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	500 mL	No	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	500 mL	Yes	Yes