

IP TIP

Types: ONCOLOGY TREATMENT

Synonyms: TIP, ETOP, ETOPOSIDE, VP, VP-16, VP16, IFOS, IFEX, IFOSFAMIDE, MESNA, TOPO, MESNEX, CISP, CISPLAT, PLATINOL, PLAT

Cycle 1	Repeat 1 time	Cycle length: 21 days																		
Day 1		Perform every 1 day x1																		
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																				
<input checked="" type="checkbox"/> ondansetron (ZOFTRAN) 16 mg in sodium chloride 0.9 % 50 mL IVPB Dose: -- Route: intravenous once over 30 Minutes for 1 dose Start: S																				
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Ingredients:</th> <th style="text-align: left;">Name</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Dose</th> <th style="text-align: left;">Selected</th> <th style="text-align: left;">Adds Vol.</th> </tr> </thead> <tbody> <tr> <td></td> <td>ONDANSETRON HCL (PF) 4 MG/2 ML INJECTION SOLUTION</td> <td>Medications</td> <td>16 mg</td> <td>Yes</td> <td>No</td> </tr> <tr> <td></td> <td>DEXAMETHASONE 4 MG/ML INJECTION</td> <td>Medications</td> <td>12 mg</td> <td>No</td> <td>No</td> </tr> </tbody> </table>			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	Medications	12 mg	No	No
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	Medications	12 mg	No	No															

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

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

Dose: 20 mg Route: intravenous once for 1 dose
 Start: S
 Instructions:
 Premed for Taxol.

diphenhydramine (BENADRYL) injection 25 mg

Dose: 25 mg Route: intravenous once for 1 dose
 Start: S
 Instructions:
 Premed for Taxol.

Chemotherapy

PAClitaxel (TAXOL) 250 mg/m2 in sodium chloride (NON-PVC) 0.9 % 500 mL chemo IVPB

Dose: 250 mg/m2 Route: intravenous once over 23 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.
PACLITAXEL 6 MG/ML CONCENTRATE, INTRAVENOUS	Medications	250 mg/m2	Main Ingredient	Yes
SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	QS Base	500 mL	Yes	Yes
DEXTROSE 5 % IN WATER (D5W) IV SOLP (EXCEL; NON-PVC)	QS Base	500 mL	No	Yes

Supportive Care

promethazine (PHENERGAN) injection 12.5 mg

Dose: 12.5 mg Route: injection every 4 hours PRN
 Start: S

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

Occurrences: --

Comments:

- 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

Occurrences: --

Comments:

- 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
Start: S

Route: intravenous PRN

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.

Days 2,3,4,5

Perform every 1 day x4

Labs

URINALYSIS, AUTOMATED WITH MICROSCOPY

Interval: Once Occurrences: --

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.

Pre-Medications

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

Dose: -- Route: intravenous once over 30 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	Medications	12 mg	Yes	No

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

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

famotidine (PEPCID) injection 20 mg

Dose: 20 mg Route: intravenous once for 1 dose
Start: S
Instructions:
Premed for Taxol.

diphenhydrAMINE (BENADRYL) injection 25 mg

Dose: 25 mg Route: intravenous once for 1 dose
Start: S
Instructions:
Premed for Taxol.

Chemotherapy

CISplatin (PLATINOL) 25 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 25 mg/m2 Route: intravenous once over 30 Minutes for 1 dose
Offset: 30 Minutes

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	CISPLATIN 1 MG/ML	Medications	25 mg/m2	Main Ingredient	Yes
	INTRAVENOUS SOLUTION				
	SODIUM CHLORIDE 0.9 %	QS Base	100 mL	Yes	Yes
	INTRAVENOUS SOLUTION				
	DEXTROSE 5 % IN WATER (D5W)	QS Base	100 mL	No	Yes
	INTRAVENOUS SOLUTION				

mesna (MESNEX) 500 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 500 mg/m2 Route: intravenous once over 15 Minutes for 1 dose

Offset: 1 Hours

Instructions:

Administer prior to Ifosfamide dose.

Ingredients:

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

ifosfamide (IFEX) 1,500 mg/m2 in sodium chloride 0.9 % 500 mL chemo IVPB

Dose: 1,500 mg/m2

Route: intravenous

once over 60 Minutes for 1 dose

Offset: 1.25 Hours

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
IFOSFAMIDE 1 GRAM INTRAVENOUS SOLUTION	Medications	1,500 mg/m2	Main Ingredient	Yes
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	500 mL	Yes	Yes
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	500 mL	No	Yes

mesna (MESNEX) 240 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 240 mg/m2

Route: intravenous

every 4 hours over 15 Minutes for 2 doses

Offset: 5.25 Hours

Instructions:

Administer 4 hours and 8 hours AFTER Ifosfamide dose.

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
MESNA 100 MG/ML INTRAVENOUS SOLUTION	Medications	240 mg/m2	Main Ingredient	Yes
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	100 mL	Yes	Yes
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	100 mL	No	Yes

Discharge Nursing Orders

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL

Route: intravenous

PRN

HEParin, porcine (PF) injection 500 Units

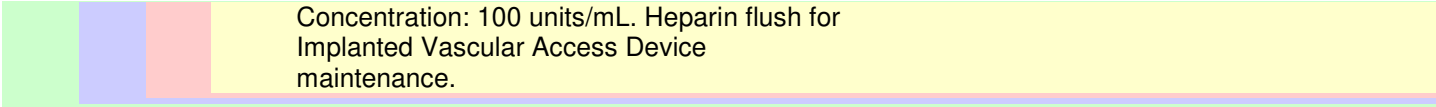
Dose: 500 Units

Route: intra-catheter

once PRN

Start: S

Instructions:



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