

IP EP

Types: ONCOLOGY TREATMENT

Synonyms: EP, ETOP, ETOPOSIDE, CIS, SIS, CISPLATIN, PLATINOL, AP, TOPOSAR, TESTICLES, TESTICULAR

Cycle 1	Repeat 1 time	Cycle length: 21 days
Day 1	Perform every 1 day x1	
Labs		
☒ COMPREHENSIVE METABOLIC PANEL	Interval: Once	Occurrences: --
☒ CBC WITH PLATELET AND DIFFERENTIAL	Interval: Once	Occurrences: --
☒ MAGNESIUM LEVEL	Interval: Once	Occurrences: --
☒ HCG QUANTITATIVE, SERUM	Interval: Once	Occurrences: --
☒ ALPHA FETOPROTEIN	Interval: Once	Occurrences: --
☒ LDH	Interval: Once	Occurrences: --
☐ BASIC METABOLIC PANEL	Interval: Once	Occurrences: --
☒ PULMONARY FUNCTION TEST	Interval: As needed	Occurrences: --
☐ URINALYSIS, AUTOMATED WITH MICROSCOPY	Interval: Once	Occurrences: --
☐ TYPE AND SCREEN	Interval: Once	Occurrences: --
Nursing Orders		
TREATMENT CONDITIONS 9	Interval: Once	Occurrences: --
Comments:	HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 100,000; Serum Creatinine GREATER than 1.1	
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-Hydration		
sodium chloride 0.9 % infusion 1,000 mL	Dose: 1,000 mL	Route: intravenous once @ 250 mL/hr for 1 dose

Instructions:
Hydration should be administered prior to chemotherapy.

Hydration

sodium chloride 0.9 % infusion

Dose: 100 mL/hr Route: intravenous continuous
Start: S

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 End: S 10:00 AM

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

- ☒ **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 INTRAVENOUS EMULSION	Medications	130 mg	Main Ingredient	Yes
	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

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	Medications	100 mg/m2	Main Ingredient	Yes

SOLUTION					
SODIUM	QS Base	500 mL	Yes	Yes	
CHLORIDE 0.9 % IV					
SOLP					
(EXCEL;NON-PVC)					

Chemotherapy

CISplatin (PLATINOL) 20 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 20 mg/m2

Route: intravenous

once over 1 Hours for 1 dose

Offset: 2.5 Hours

Ingredients:

Name

Type

Dose

Selected

Adds Vol.

CISPLATIN 1
MG/ML

Medications

20 mg/m2

Main

Yes

INTRAVENOUS
SOLUTION

Ingredient

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

Post-Hydration

☐ **sodium chloride 0.9 % infusion 1,000 mL**

Dose: 1,000 mL

Route: intravenous

once @ 250 mL/hr for 1 dose

Offset: 3.5 Hours

Instructions:

Following chemotherapy.

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
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.

Days 2,3,4,5

Perform every 1 day x4

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
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

Chemotherapy

CISplatin (PLATINOL) 20 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 20 mg/m2

Route: intravenous

once over 1 Hours for 1 dose
Offset: 2.5 Hours

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	CISPLATIN 1 MG/ML INTRAVENOUS SOLUTION	Medications	20 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

Post-Hydration

☐ **sodium chloride 0.9 % infusion 1,000 mL**

Dose: 1,000 mL

Route: intravenous

once @ 250 mL/hr for 1 dose
Offset: 3.5 Hours

Instructions:

Following chemotherapy.