

IP BEP

Types: ONCOLOGY TREATMENT

Synonyms: BEP, BLEO, BLEOMYCIN, ETOP, ETOPOSIDE, CIS, SIS, CISPLATIN, PLATINOL, TOPOSAR, TESTICULAR, TESTICLES

| Cycle 1 | Repeat 1 time | Cycle length: 21 days |
|-------------------------------------|--|--|
| Day 1 | | Perform every 1 day x1 |
| 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 checked="" type="checkbox"/> | HCG QUANTITATIVE, SERUM | Interval: Once Occurrences: -- |
| <input checked="" type="checkbox"/> | ALPHA FETOPROTEIN | Interval: Once Occurrences: -- |
| <input checked="" type="checkbox"/> | LDH | Interval: Once Occurrences: -- |
| <input type="checkbox"/> | BASIC METABOLIC PANEL | Interval: Once Occurrences: -- |
| <input checked="" type="checkbox"/> | PULMONARY FUNCTION TEST | Interval: As needed Occurrences: -- |
| <input type="checkbox"/> | URINALYSIS, AUTOMATED WITH MICROSCOPY | Interval: Once Occurrences: -- |
| <input type="checkbox"/> | 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 (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 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 | Medications | 100 mg/m2 | Main Ingredient | Yes |

INTRAVENOUS
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 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 | | | | |

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

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

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

Chemotherapy

bleomycin (BLEOCIN) 1 Units in sodium chloride (NON-PVC) 0.9 % 50 mL chemo IVPB

Dose: 1 Units Route: intravenous once over 15 Minutes for 1 dose
Offset: 30 Minutes

Instructions:
HAZARDOUS - Handle with care.

| Ingredients: | Name | Type | Dose | Selected | Adds Vol. |
|--------------|---|-------------|---------|-----------------|-----------|
| | BLEOMYCIN 30 UNIT SOLUTION FOR INJECTION | Medications | 1 Units | Main Ingredient | Yes |
| | SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC) | Base | 50 mL | Yes | Yes |

Chemotherapy

bleomycin (BLEOCIN) 29 Units in sodium chloride (NON-PVC) 0.9 % 50 mL chemo IVPB

Dose: 29 Units Route: intravenous once over 15 Minutes for 1 dose
Offset: 45 Minutes

Instructions:
HAZARDOUS - Handle with care.

| Ingredients: | Name | Type | Dose | Selected | Adds Vol. |
|--------------|---|-------------|----------|-----------------|-----------|
| | BLEOMYCIN 30 UNIT SOLUTION FOR INJECTION | Medications | 29 Units | Main Ingredient | Yes |
| | SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC) | Base | 50 mL | Yes | 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: 60 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: 3 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 |

Days 3,4,5

Perform every 1 day x3

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

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 |

Days 9,16

Perform every 7 days x2

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

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) injection 8 mg

Dose: 8 mg Route: intravenous once for 1 dose
Start: S

ondansetron (ZOFRAN) tablet 16 mg

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

ondansetron (ZOFRAN) 16 mg in dextrose 5% 50 mL IVPB

Dose: 16 mg Route: intravenous once over 15 Minutes for 1 dose
Start: S End: S

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

Chemotherapy

bleomycin (BLEOCIN) 30 Units in sodium chloride (NON-PVC) 0.9 % 50 mL chemo IVPB

Dose: 30 Units Route: intravenous once over 15 Minutes for 1 dose
Offset: 30 Minutes

Instructions:
HAZARDOUS - Handle with care.

| Ingredients: | Name | Type | Dose | Selected | Adds Vol. |
|--------------|---|-------------|----------|-----------------|-----------|
| | BLEOMYCIN 30 UNIT SOLUTION FOR INJECTION | Medications | 30 Units | Main Ingredient | Yes |
| | SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC) | Base | 50 mL | Yes | Yes |