

IP V-DCEP

Types: ONCOLOGY TREATMENT

Synonyms: MM, MULTI, MYEL, CISPL, ETOPO, CYCLO, DEXA

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"/> 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"/> LDH Interval: Once Occurrences: --		
<input checked="" type="checkbox"/> URIC ACID LEVEL Interval: Once Occurrences: --		
<input checked="" type="checkbox"/> PHOSPHORUS 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.		
Vitals		
ONC NURSING COMMUNICATION 50 Interval: Once Occurrences: -- Comments: 1) Check vital signs (BP, temperature, pulse, and respirations) prior to and 30 minutes after Bortezomib administration. 2) If systolic BP, 30 minutes after Bortezomib infusion, drops more than 30 mmHg, or if systolic BP is less than 90, please contact MD.		
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 (ZOFTRAN) 16 mg, dexamethasone (DECADRON) 40 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	40 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 End: S 11:30 AM

dexamethasone (DECADRON) tablet 12 mg

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

palonosetron (ALOXI) injection 0.25 mg

Dose: 250 mcg Route: intravenous once for 1 dose
Start: S End: S 3:00 PM

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

bortezomib (VelCADE) 1.3 mg/m2 in sodium chloride 0.9 % chemo injection

Dose: 1.3 mg/m2 Route: subcutaneous once for 1 dose

Offset: 30 Minutes

Instructions:

DRUG IS AN IRRITANT. Administer drug slowly to prevent burning upon administration.

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
BORTEZOMIB 3.5 MG SOLUTION FOR INJECTION	Medications	1.3 mg/m2	Main Ingredient	No
SODIUM CHLORIDE 0.9 % INJECTION SOLUTION	Base		Always	Yes

Chemotherapy

CISplatin (PLATINOL) 10 mg/m2, cyclophosphamide (CYTOXAN) 400 mg/m2, etoposide (TOPOSAR) 40 mg/m2 in sodium chloride (NON-PVC) 0.9 % 1,000 mL chemo IVPB

Dose: --

Route: intravenous once over 22 Hours for 1 dose
Offset: 30 Minutes

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
CISPLATIN 1 MG/ML INTRAVENOUS SOLUTION	Medications	10 mg/m2	Yes	Yes
CYCLOPHOSPHAMIDE 1 GRAM INTRAVENOUS SOLUTION	Medications	400 mg/m2	Yes	Yes
ETOPOSIDE 20 MG/ML INTRAVENOUS SOLUTION	Medications	40 mg/m2	Yes	Yes
SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	Base	1,000 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.

Days 2,3

Perform every 1 day x2

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 1,000 mL
Dose: 1,000 mL Route: intravenous once @ 500 mL/hr for 1 dose

Pre-Medications

ondansetron (ZOFTRAN) injection 8 mg
Dose: 8 mg Route: intravenous once for 1 dose
Start: S

ondansetron (ZOFTRAN) tablet 16 mg
Dose: 16 mg Route: oral once for 1 dose
Start: S

ondansetron (ZOFTRAN) 16 mg in dextrose 5% 50 mL IVPB
Dose: 16 mg 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	Main Ingredient	No
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base	50 mL	Always	Yes

Pre-Medications

dexamethasone (DECADRON) tablet 40 mg

Dose: 40 mg Route: oral once for 1 dose

Chemotherapy

**CISplatin (PLATINOL) 10 mg/m2,
cyclophosphamide (CYTOXAN) 400 mg/m2,
etoposide (TOPOSAR) 40 mg/m2 in sodium
chloride (NON-PVC) 0.9 % 1,000 mL chemo
IVPB**

Dose: -- Route: intravenous once over 22 Hours for 1 dose
Offset: 30 Minutes

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	CISPLATIN 1 MG/ML INTRAVENOUS SOLUTION	Medications	10 mg/m2	Yes	Yes
	CYCLOPHOSPHAM IDE 1 GRAM INTRAVENOUS SOLUTION	Medications	400 mg/m2	Yes	Yes
	ETOPOSIDE 20 MG/ML INTRAVENOUS SOLUTION	Medications	40 mg/m2	Yes	Yes
	SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	Base	1,000 mL	Yes	Yes

Day 4

Perform every 1 day x1

Vitals

ONC NURSING COMMUNICATION 50

Interval: Once

Occurrences: --

Comments:

1) Check vital signs (BP, temperature, pulse, and respirations) prior to and 30 minutes after Bortezomib administration.

2) If systolic BP, 30 minutes after Bortezomib infusion, drops more than 30 mmHg, or if systolic BP is less than 90, please contact MD.

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 1,000 mL

Dose: 1,000 mL

Route: intravenous

once @ 500 mL/hr for 1 dose

Pre-Medications

ondansetron (ZOFTRAN) injection 8 mg

Dose: 8 mg

Route: intravenous

once for 1 dose

Start: S

ondansetron (ZOFTRAN) tablet 16 mg

Dose: 16 mg

Route: oral

once for 1 dose

Start: S

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

Dose: 16 mg 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	Main Ingredient	No
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base	50 mL	Always	Yes

Provider Communication

ONC PROVIDER COMMUNICATION

Interval: Once

Occurrences: --

Comments:

Please go to Meds & Orders to order: Zofran 8 mg po BID for 5 Doses, beginning Day 4 at 2100.

Pre-Medications

dexamethasone (DECADRON) tablet 40 mg

Dose: 40 mg

Route: oral

once for 1 dose

Chemotherapy

bortezomib (VelCADE) 1.3 mg/m2 in sodium chloride 0.9 % chemo injection

Dose: 1.3 mg/m2

Route: subcutaneous

once for 1 dose

Offset: 30 Minutes

Instructions:

DRUG IS AN IRRITANT. Administer drug slowly to prevent burning upon administration.

Ingredients:

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	BORTEZOMIB 3.5 MG SOLUTION FOR INJECTION SODIUM CHLORIDE 0.9 % INJECTION SOLUTION	Medications	1.3 mg/m2	Main Ingredient	No
		Base		Always	Yes

Chemotherapy

CISplatin (PLATINOL) 10 mg/m2, cyclophosphamide (CYTOXAN) 400 mg/m2, etoposide (TOPOSAR) 40 mg/m2 in sodium chloride (NON-PVC) 0.9 % 1,000 mL chemo IVPB

Dose: --

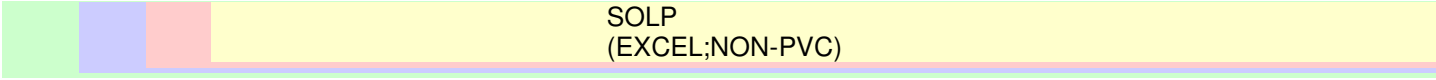
Route: intravenous

once over 22 Hours for 1 dose

Offset: 30 Minutes

Ingredients:

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	CISPLATIN 1 MG/ML INTRAVENOUS SOLUTION	Medications	10 mg/m2	Yes	Yes
	CYCLOPHOSPHAMIDE 1 GRAM INTRAVENOUS SOLUTION	Medications	400 mg/m2	Yes	Yes
	ETOPOSIDE 20 MG/ML INTRAVENOUS SOLUTION	Medications	40 mg/m2	Yes	Yes
	SODIUM CHLORIDE 0.9 % IV	Base	1,000 mL	Yes	Yes



SOLP
(EXCEL;NON-PVC)