

IP AZACITIDINE (7 DAYS)

Types: ONCOLOGY TREATMENT

Synonyms: MDS, AZACITIDINE, VIDAZA, VIZ, LEUKEMIA

Cycle 1	Repeat 1 time	Cycle length: 28 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		
	☒ COMPREHENSIVE METABOLIC PANEL	
	Interval: Once	Occurrences: --
	☒ CBC WITH PLATELET AND DIFFERENTIAL	
	Interval: Once	Occurrences: --
	☒ MAGNESIUM LEVEL	
	Interval: Once	Occurrences: --
	☐ LDH	
	Interval: Once	Occurrences: --
	☐ URIC ACID LEVEL	
	Interval: Once	Occurrences: --
	☐ ECHOCARDIOGRAM COMPLETE W CONTRAST AND 3D IF NEEDED	
	Interval: 1 time imaging	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) 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	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

⊙ azaCITIDine (VIDAZA) 75 mg/m2 in sodium chloride 0.9 % 50 mL chemo IVPB

Dose: 75 mg/m2

Route: intravenous

once over 15 Minutes for 1 dose
Offset: 30 Minutes

Instructions:

Administer within 1 hour of reconstitution.

Ingredients:

Name

Type

Dose

Selected
Main Ingredient

Adds Vol.

AZACITIDINE 100 MG SOLUTION FOR INJECTION
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION
LACTATED RINGERS INTRAVENOUS SOLUTION

Medications

75 mg/m2

Yes

Yes

QS Base

50 mL

No

Yes

○ azaCITIDine (VIDAZA) 75 mg/m2 in water for injection, sterile (PF) chemo injection

Dose: 75 mg/m2

Route: subcutaneous

once for 1 dose
Offset: 30 Minutes

Instructions:

Administer within 1 hour of reconstitution.

Ingredients:

Name

Type

Dose

Selected
Main Ingredient

Adds Vol.

AZACITIDINE 100 MG SOLUTION FOR INJECTION
WATER FOR INJECTION, STERILE INJECTION SOLUTION

Medications

75 mg/m2

Always

Yes

Base

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 2,3,4,5,6,7**Perform every 1 day x6****Labs**☒ **COMPREHENSIVE METABOLIC PANEL**

Interval: Once Occurrences: --

☒ **CBC WITH PLATELET AND DIFFERENTIAL**

Interval: Once Occurrences: --

☒ **MAGNESIUM LEVEL**

Interval: Once Occurrences: --

☐ **LDH**

Interval: Once Occurrences: --

☐ **URIC ACID LEVEL**

Interval: Once Occurrences: --

☐ **ECHOCARDIOGRAM COMPLETE W
CONTRAST AND 3D IF NEEDED**

Interval: 1 time imaging Occurrences: --

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) 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 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

☒ **azaCITidine (VIDAZA) 75 mg/m2 in sodium chloride 0.9 % 50 mL chemo IVPB**

Dose: 75 mg/m2 Route: intravenous once over 15 Minutes for 1 dose
Offset: 30 Minutes

Instructions:
Administer within 1 hour of reconstitution.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	AZACITIDINE 100 MG SOLUTION FOR INJECTION	Medications	75 mg/m2	Main Ingredient	No
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	50 mL	Yes	Yes
	LACTATED RINGERS INTRAVENOUS SOLUTION	QS Base		No	Yes

☐ **azaCITidine (VIDAZA) 75 mg/m2 in water for injection, sterile (PF) chemo injection**

Dose: 75 mg/m2 Route: subcutaneous once for 1 dose
Offset: 30 Minutes

Instructions:
Administer within 1 hour of reconstitution.

Ingredients:			Name	Type	Dose	Selected	Adds Vol.
			AZACITIDINE 100 MG SOLUTION FOR INJECTION	Medications	75 mg/m2	Main Ingredient	No
			WATER FOR INJECTION, STERILE INJECTION SOLUTION	Base		Always	Yes