

IP GEMOX (675/80)

Types: ONCOLOGY TREATMENT

Synonyms: GEMCITABINE, GEMZAR, GEM, PANCREATIC, OALIPLATIN, OXAL, ELOXATIN

Cycle 1		Repeat 1 time		Cycle length: 14 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: --		
	☐ CANCER ANTIGEN 19-9				
	Interval: Once		Occurrences: --		
	☐ LDH				
	Interval: Once		Occurrences: --		
	☐ 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; Magnesium LESS than 1.7.			
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 (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

Supportive Care

☐ **LORAZepam (ATIVAN) injection 1 mg**

Dose: 1 mg Route: intravenous PRN
Start: S

☐ **LORAZepam (ATIVAN) tablet 1 mg**

Dose: 1 mg Route: oral PRN
Start: S

Supportive Care

☐ **promethazine (PHENERGAN) injection 12.5 mg**

Dose: 12.5 mg Route: injection every 6 hours PRN
Start: S

Chemotherapy

**gemcitabine (GEMZAR) 675 mg/m2 in sodium
chloride 0.9 % 250 mL chemo IVPB**

Dose: 675 mg/m2 Route: intravenous once over 30 Minutes for 1 dose
Offset: 30 Minutes

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	GEMCITABINE 200 MG/5.26 ML (38 MG/ML) INTRAVENOUS SOLUTION	Medications	675 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

Hematology & Oncology Hypersensitivity Reaction Standing Order

ONC NURSING COMMUNICATION 82

Interval: Until
discontinued
Comments:

Occurrences: --

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 8**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: --

☐ **CANCER ANTIGEN 19-9**

Interval: Once Occurrences: --

☐ **LDH**

Interval: Once Occurrences: --

☐ **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; Magnesium LESS than 1.7.

Line Flush

dextrose 5% flush syringe 20 mL

Dose: 20 mL Route: intravenous PRN

Start: S

Instructions:

Administer ONLY for Oxaliplatin.

sodium chloride 0.9 % flush 20 mL

Dose: 20 mL Route: intravenous PRN

Start: S

Instructions:

Do NOT administer with Oxaliplatin.

Nursing Orders

dextrose 5% infusion 250 mL

Dose: 250 mL Route: intravenous once @ 30 mL/hr for 1 dose

Start: S

Instructions:

To keep vein open for Oxaliplatin.

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. Do NOT administer with Oxaliplatin.

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 11:30 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

- ☐ **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

- ☐ **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

Inredients:**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

Supportive Care

☐ **LORAZepam (ATIVAN) injection 1 mg**

Dose: 1 mg Route: intravenous PRN
Start: S

☐ **LORAZepam (ATIVAN) tablet 1 mg**

Dose: 1 mg Route: oral PRN
Start: S

Supportive Care

☐ **promethazine (PHENERGAN) injection 12.5 mg**

Dose: 12.5 mg Route: injection every 6 hours PRN
Start: S

Chemotherapy

gemcitabine (GEMZAR) 675 mg/m2 in sodium chloride 0.9 % 250 mL chemo IVPB

Dose: 675 mg/m2 Route: intravenous once over 30 Minutes for 1 dose
Offset: 30 Minutes

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	GEMCITABINE 200 MG/5.26 ML (38 MG/ML) INTRAVENOUS SOLUTION	Medications	675 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

Chemotherapy

OXALIplatin (ELOXATIN) 80 mg/m2 in dextrose 5% 500 mL chemo IVPB

Dose: 80 mg/m2 Route: intravenous once over 2 Hours for 1 dose
Offset: 60 Minutes

Instructions:
Irritant - avoid extravasation. Flush line with D5W before and after oxaliplatin infusion.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	OXALIPLATIN 100 MG/20 ML INTRAVENOUS SOLUTION	Medications	80 mg/m2	Main Ingredient	Yes
	DEXTROSE 5 % IN	QS Base	500 mL	Yes	Yes

WATER (D5W)
INTRAVENOUS
SOLUTION

Nursing Orders

ONC NURSING COMMUNICATION 11

Interval: Once

Occurrences: --

Comments:

Exposure to cold may exacerbate oxaliplatin-induced neuropathy (including pharyngolaryngeal dysesthesia). Encourage patient to keep blanket on their chest and/or throat during oxaliplatin infusion. Educate patient to avoid cold drinks/foods, ice chips or exposure to cold water or air for 7 days after oxaliplatin infusion.

ONC NURSING COMMUNICATION 12

Interval: Once

Occurrences: --

Comments:

Assess and notify provider for persistent neuropathy (Grade 2).