Protocol Index

OP XELOX / ZIV-AFLIBERCEPT (EVERY 14 DAYS)

Types: ONCOLOGY TREATMENT
Synonyms: XELOX, CAB, ELOXATIN, XELODA, CAPECITABINE, OXALOPLATIN, ZEL, COLORECTAL, GI, GASTRO

Take-Home Medications Repeat 1 time Cycle length: 1 day

Day 1 Perform every 1 day x1

Take-Home Medications Prior to Treatment

capecitabine (XELODA) 500 mg chemo tablet
Dose: 850 mg/m2 Route: oral 2 times daily
Dispense: -- Refills: --
Start: S End: S+8

Cycles 1 to 4 Repeat 4 times Cycle length: 14 days

Day 1 Perform every 1 day x1

Appointment Requests

INFUSION APPOINTMENT REQUEST
Interval: -- Occurrences: --

Labs

☑ **URINALYSIS, AUTOMATED WITH MICROSCOPY**
Interval: -- Occurrences: --

☑ **CBC WITH PLATELET AND DIFFERENTIAL**
Interval: -- Occurrences: --

☑ **COMPREHENSIVE METABOLIC PANEL**
Interval: -- Occurrences: --

☐ **MAGNESIUM LEVEL**
Interval: -- Occurrences: --

Outpatient Electrolyte Replacement Protocol

TREATMENT CONDITIONS 39
Interval: -- Occurrences: --
Comments: Potassium (Normal range 3.5 to 5.0mEq/L)
- o Protocol applies for SCr less than 1.5. Otherwise, contact MD/NP
- o Protocol applies only to same day lab value.
- o Serum potassium less than 3.0mEq/L, give 40mEq KCL IV or PO and contact MD/NP
- o Serum potassium 3.0 to 3.2mEq/L, give 40mEq KCL IV or PO
- o Serum potassium 3.3 to 3.4mEq/L, give 20mEq KCL IV or PO
- o Serum potassium 3.5 mEq/L or greater, do not give potassium replacement
- o If patient meets criteria, order SmartSet called "Outpatient Electrolyte Replacement"
- o Sign electrolyte replacement order as Per protocol: cosign required

TREATMENT CONDITIONS 40
Interval: -- Occurrences: --
Comments: Magnesium (Normal range 1.6 to 2.6mEq/L)
- o Protocol applies for SCr less than 1.5. Otherwise, contact MD/NP
- o Protocol applies only to same day lab value.
- o Serum Magnesium less than 1.0mEq/L, give 2 gram magnesium sulfate IV and contact MD/NP
- o Serum Magnesium 1.0 to 1.2mEq/L, give 2 gram magnesium

sulfate IV
o Serum Magnesium 1.3 to 1.5mEq/L, give 1 gram magnesium sulfate IV
o Serum Magnesium 1.6 mEq/L or greater, do not give magnesium replacement
o If patient meets criteria, order SmartSet called "Outpatient Electrolyte Replacement"
o Sign electrolyte replacement order as Per protocol: cosign required

Nursing Orders

TREATMENT CONDITIONS
Interval: -- Occurrences: --
Comments: Do NOT administer within 28 days of surgery/procedure and until the surgical wound is fully healed or within 14 days of port placement.

Nursing Orders

TREATMENT CONDITIONS 5
Interval: -- Occurrences: --
Comments: HOLD and notify provider if PROTEIN 2+ is detected in UA.

Nursing Orders

TREATMENT CONDITIONS 7
Interval: -- Occurrences: --
Comments: HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 100,000.

Nursing Orders

ONC NURSING COMMUNICATION 15
Interval: -- Occurrences: --
Comments: Verify that the patient has taken appropriate oral chemotherapy medication from home prescription.

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 (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 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 (ZOFRAN) 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
Instructions:
For OUTPATIENT use only.

☐ **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

Supportive Care

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

Dose: 1 mg | Route: intravenous | once PRN
Start: S

○ **LORAZepam (ATIVAN) tablet 1 mg**

Dose: 1 mg | Route: oral | once PRN
Start: S

Chemotherapy

ziv-aflibercept (ZALTRAP) 4 mg/kg in sodium chloride 0.9% 100 mL chemo IVPB

Dose: 4 mg/kg | Route: intravenous | once over 1 Hours for 1 dose
Offset: 30 Minutes

Instructions:
Infuse via a 0.2 micron polyethersulfone filter.

Administer PRIOR to ANY components of the XELOX regimen.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	ZIV-AFLIBERCEPT 100 MG/4 ML (25 MG/ML) INTRAVENOUS SOLUTION	Medications	4 mg/kg	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	100 mL	Yes	Yes

OXALIplatin (ELOXATIN) 85 mg/m2 in dextrose 5% 500 mL chemo IVPB

Dose: 85 mg/m2 | Route: intravenous | once over 2 Hours for 1 dose
Offset: 1.5 Hours

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	85 mg/m2	Main Ingredient	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base	500 mL	Yes	Yes

Hematology & Oncology Hypersensitivity Reaction Standing Order

ONC NURSING COMMUNICATION 82

Interval: -- | 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 4

Interval: --
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 83

Interval: --
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

Nursing Orders

ONC NURSING COMMUNICATION 11
Interval: -- 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: -- Occurrences: --
Comments: Assess and notify provider for persistent neuropathy (Grade 2).

Discharge Nursing Orders

ONC NURSING COMMUNICATION 76
Interval: -- Occurrences: --
Comments: Discontinue IV.

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.