IP LIPOSOMAL DOXORUBICIN / BEVACIZUMAB

Types: ONCOLOGY TREATMENT

Synonyms: DOXIL, LIP DOXO, DOCKS, LIPOSOMAL, BREAST, OVARIAN, GYN, GYNECOLOGIC, BEV, AVAST,

AVASTIN, BEVACIZUMAB

Cycle 1 Repeat 1 time Cycle length: 28 days

Day 1 Perform every 1 day x1

Nursing Orders

TREATMENT CONDITIONS

Interval: Once 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.

Provider Communication

ONC PROVIDER COMMUNICATION

Interval: Once Occurrences: --

Comments: Verify Ejection Fraction prior to Cycle 1. Ejection Fraction: ***% on ***

(date).

If patient has not had a recent MUGA or ECHO, order one via order entry. A baseline cardiac evaluation with a MUGA scan or an ECHO is recommended, especially in patients with risk factors for increased cardiac toxicity. Repeated MUGA or ECHO determinations of LVEF should be performed, particularly with higher, cumulative anthracycline

doses.

Labs

☐ COMPREHENSIVE METABOLIC PANEL

Interval: Once Occurrences: --

□ CBC WITH PLATELET AND DIFFERENTIAL

Interval: Once Occurrences: --

MAGNESIUM LEVEL

Interval: Once Occurrences: --

_ URINALYSIS, AUTOMATED WITH

✓ MICROSCOPY

Interval: Once Occurrences: --

□ CANCER ANTIGEN 125

Interval: Once Occurrences: --

Nursing Orders

TREATMENT CONDITIONS 5

Interval: Once Occurrences: --

Comments: HOLD and notify provider if PROTEIN 2+ is detected in Urinalysis.

Nursing Orders

TREATMENT CONDITIONS 13

Interval: Until Occurrences: --

discontinued

Comments: HOLD and notify provider if ANC LESS than 1000; Platelets LESS than

100,000; Serum Creatinine GREATER than 1.5, Total Bilirubin

GREATER than 1.5

Line Flush dextrose 5% flush syringe 20 mL Dose: 20 mL Route: intravenous **PRN** Start: S Instructions: Administer ONLY for Liposomal Doxorubicin. sodium chloride 0.9 % flush 20 mL **PRN** Dose: 20 mL Route: intravenous Start: S Instructions: Do NOT administer with Liposomal Doxorubicin. **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 Liposomal Doxorubicin. 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 Liposomal Doxorubicin. Pre-Medications ondansetron (ZOFRAN) injection 8 mg Dose: 8 mg Route: intravenous once for 1 dose Start: S O ondansetron (ZOFRAN) tablet 16 mg Dose: 16 mg once for 1 dose Route: oral 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 Selected Adds Vol. Ingredients: Name Type Dose ONDANSETRON Medications 16 mg Yes No HCL 2 MG/ML INTRAVENOUS SOLUTION **DEXAMETHASONE Medications** No No 4 MG/ML **INJECTION** SOLUTION SODIUM Base 50 mL No Yes CHLORIDE 0.9 % INTRAVENOUS SOLUTION DEXTROSE 5 % IN Base 50 mL Yes Yes WATER (D5W) **INTRAVENOUS**

SOLUTION

Supportive Care

 LORAZepam (ATIVAN) injection 1 mg **PRN** Dose: 1 mg Route: intravenous Start: S LORAZepam (ATIVAN) tablet 1 mg **PRN** Dose: 1 mg Route: oral Start: S Supportive Care O promethazine (PHENERGAN) injection 12.5 mg Dose: 12.5 mg Route: injection every 6 hours PRN Start: S Chemotherapy DOXOrubicin liposomal (DOXIL) 40 mg/m2 in dextrose 5% 250 mL chemo IVPB Dose: 40 mg/m2 once over 1 Hours for 1 dose Route: intravenous Offset: 30 Minutes Instructions: DRUG IS AN IRRITANT. Initial infusion infused at 1 mg/min, but no faster than 1 hour to prevent infusion related reactions. Monitor vital signs 15 minutes, 30 minutes, and one hour into infusion, then hourly for remainder of initial infusion. Stay with patient for the first 15 minutes of the initial infusion. If patient tolerated initial infusion, subsequent infusions to be given over 1 hour. Ingredients: Selected Adds Vol. Name Type Dose DOXORUBICIN. Medications 40 mg/m2 Main Yes PEGYLATED Ingredient LIPOSOMAL 2 MG/ML **INTRAVENOUS** SUSPENSION DEXTROSE 5 % IN QS Base 250 mL Yes Yes WATER (D5W) **INTRAVENOUS** SOLUTION Chemotherapy bevacizumab (AVASTIN) 10 mg/kg in sodium chloride 0.9 % 100 mL IVPB Dose: 10 mg/kg Route: intravenous once over 90 Minutes for 1 dose Offset: 90 Minutes Instructions: Initial Infusion to be given over 90 minutes. If no reaction, second infusion may be given over 60 minutes. If no reaction, third and subsequent infusions may be given over 30 minutes. Ingredients: Name Type Dose Selected Adds Vol. BEVACIZUMAB 25 Medications 10 mg/kg Main Yes MG/ML Ingredient **INTRAVENOUS** SOLUTION SODIUM QS Base 100 mL Yes Yes CHLORIDE 0.9 % **INTRAVENOUS** SOLUTION

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 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 Oxvoen 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

Dose: 180 mg

Route: intravenous

PRN

Start: S

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fexofenadine (ALLEGRA) tablet 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

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 15

Perform every 1 day x1

Labs

URINALYSIS, AUTOMATED WITH MICROSCOPY

Interval: -- Occurrences: --

Nursing Orders

TREATMENT CONDITIONS 5

Interval: Once Occurrences: --

Comments: HOLD and notify provider if PROTEIN 2+ is detected in Urinalysis.

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.

Chemotherapy

bevacizumab (AVASTIN) 10 mg/kg in sodium chloride 0.9 % 100 mL IVPB

Dose: 10 mg/kg Route: intravenous once over 60 Minutes for 1 dose

Offset: 30 Minutes

Instructions:

Initial Infusion to be given over 90 minutes. If no reaction, second infusion may be given over

60 minutes. If no reaction, third and

subsequent infusions may be given over 30

minutes.

Ingredients: Name Type Dose Selected Adds Vol.

BEVACIZUMAB 25 Medications 10 mg/kg Main Yes MG/ML Ingredient

INTRAVENOUS SOLUTION

SODIUM QS Base 100 mL Yes Yes

CHLORIDE 0.9 % INTRAVENOUS SOLUTION