Protocol Index

IP TOPOTECAN / BEVACIZUMAB (EVERY 7 DAYS)

Types: ONCOLOGY TREATMENT
Synonyms: TOT, TOPOTECAN, TOPETECAN, HYCAMTIN, HI, TWO , GYN, GYNECOLOGIC, MALIGNANCY, AVAST, BEVA, VAST

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.

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 discontinued Occurrences: --
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

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

Pre-Medications

☑ **acetaminophen (TYLENOL) tablet 650 mg**

Dose: 650 mg | Route: oral | once for 1 dose
Start: S
Instructions:
Pre-med for Avastin

☑ **diphenhydrAMINE (BENADRYL) tablet 25 mg**

Dose: 25 mg | Route: oral | once for 1 dose
Start: S
Instructions:
Pre-med for Avastin

☐ **dexamethasone (DECADRON) injection 10 mg**

Dose: 10 mg | Route: intravenous | once for 1 dose
Start: S
Instructions:
Pre-med for Avastin

Chemotherapy

topotecan (HYCAMTIN) 4 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 4 mg/m2 | Route: intravenous | once over 30 Minutes for 1 dose
Offset: 30 Minutes

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
TOPOTECAN 4 MG INTRAVENOUS SOLUTION	Medications	4 mg/m2	Main Ingredient	Yes
SODIUM CHLORIDE 0.9 %	QS Base		Yes	Yes

INTRAVENOUS SOLUTION				
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

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: 60 Minutes

Instructions:
For Initial Infusion, administer over 90 minutes. If no reaction with first infusion, may give second infusion over 60 minutes. If no reaction with second infusion, may give third and subsequent infusions over 30 minutes.

Ingredients:	**Name**	**Type**	**Dose**	**Selected**	**Adds Vol.**
	BEVACIZUMAB 25 MG/ML INTRAVENOUS SOLUTION	Medications	10 mg/kg	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	100 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 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: --

☑ **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 discontinued | Occurrences: --
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

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
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SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL	No	Yes
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base	50 mL	Yes	Yes

Chemotherapy

topotecan (HYCAMTIN) 4 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

Dose: 4 mg/m2 | Route: intravenous | once over 30 Minutes for 1 dose
Offset: 30 Minutes

Ingredients:

Name	Type	Dose	Selected	Adds Vol.
TOPOTECAN 4 MG INTRAVENOUS SOLUTION	Medications	4 mg/m2	Main Ingredient	Yes
SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base		Yes	Yes
DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

Day 15 — Perform every 1 day x1

Provider Communication

ONC PROVIDER COMMUNICATION 10

Interval: Once | Occurrences: --
Comments: Please order Growth Factor to begin on Day 16, if indicated.

If patient will be discharged, consider using Neulasta Therapy Plan for Outpatient use.

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 discontinued Occurrences: --

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

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

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Pre-Medications

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Start: S

Instructions:

Pre-med for Avastin

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Dose: 10 mg | Route: intravenous | once for 1 dose
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topotecan (HYCAMTIN) 4 mg/m2 in sodium chloride 0.9 % 100 mL chemo IVPB

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	TOPOTECAN 4 MG INTRAVENOUS SOLUTION	Medications	4 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base		Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	QS Base		No	Yes

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: 60 Minutes

Instructions:
For Initial Infusion, administer over 90 minutes. If no reaction with first infusion, may give second infusion over 60 minutes. If no reaction with second infusion, may give third and subsequent infusions over 30 minutes.

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