Protocol Index

IP TAC

Types: ONCOLOGY TREATMENT
Synonyms: TAC, DOCETAXEL, DOXORUBICIN, CYCLOPHOSPHAMIDE, TAXOTERE, CYTOXAN, ADRIAMYCIN, SITE, PYSCH, DOCKS, AGE, BREAST

Cycle 1 Repeat 1 time Cycle length: 21 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: --

☐ **URINALYSIS, AUTOMATED WITH MICROSCOPY**
Interval: Once Occurrences: --

☐ **CANCER ANTIGEN 27-29 (CA BR)**
Interval: Once Occurrences: --

Provider Communication

ONC PROVIDER COMMUNICATION
Interval: Until discontinued 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.

Nursing Orders

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

Provider Communication

ONC PROVIDER COMMUNICATION
Interval: Until discontinued Occurrences: --
Comments: Order Neulasta as an OP Therapy Plan

Provider Communication

ONC PROVIDER COMMUNICATON 61
Interval: Until discontinued 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 (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 10:00 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

☑ **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

Nursing Orders

ONC NURSING COMMUNICATION 36

Interval: Until discontinued | Occurrences: --

Comments: Administer chemotherapy in listed order unless otherwise indicated.

Chemotherapy

DOXOrubicin (ADRIAmycin) 50 mg/m2 in sodium chloride 0.9% 50 mL chemo IVPB

Dose: 50 mg/m2 | Route: intravenous | once over 15 Minutes for 1 dose

Offset: 30 Minutes

Instructions:
Protect from light; VESICANT

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	DOXORUBICIN 50 MG/25 ML INTRAVENOUS SOLUTION	Medications	50 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base	50 mL	No	Yes

cyclophosphamide (CYTOXAN) 500 mg/m2 in sodium chloride 0.9% 250 mL chemo IVPB

Dose: 500 mg/m2 Route: intravenous once over 60 Minutes for 1 dose
Offset: 45 Minutes

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	CYCLOPHOSPHAMIDE 1 GRAM INTRAVENOUS SOLUTION	Medications	500 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	250 mL	No	Yes

DOCEtaxel (TAXOTERE) 75 mg/m2 in sodium chloride (NON-PVC) 0.9 % 250 mL chemo IVPB

Dose: 75 mg/m2 Route: intravenous once over 60 Minutes for 1 dose
Offset: 105 Minutes

Instructions:
Administer through non-DEHP tubing; Use within 4 hours of preparation; Protect from light. Administer 1 HOUR after completion of cyclophosphamide infusion.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	DOCETAXEL 80 MG/4 ML (20 MG/ML) INTRAVENOUS SOLUTION	Medications	75 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % IV SOLP (EXCEL;NON-PVC)	QS Base	250 mL	Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) IV SOLP (EXCEL; NON-PVC)	QS Base	250 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

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.

Post-Medications

○ **TBO-FILGRASTIM INJECTION ORDERABLE solution**

Dose: -- Route: subcutaneous
Start: S
Rule-Based Template: RULE ONCBCN NEUPOGEN WEIGHT BASED

Conditions:	Modifications:
Weight > 72 kg	Set dose to 480 mcg
Weight <= 72 kg	Set dose to 300 mcg