

# IP TRASTUZUMAB / PERTUZUMAB / PACLITAXEL (CYCLE 1 ONLY)

Types: ONCOLOGY TREATMENT

Synonyms: TRAS, TRASTUZUMAB, HERCEPTIN, PERTUZUMAB, PACLITAXEL, TAXOL, PERJETA, HER, TAX, PER, BREAST , THP

Cycle 1	Repeat 1 time	Cycle length: 21 days
<b>Day 1</b>		Perform every 1 day x1
<b>Provider Communication</b>		
<b>ONC PROVIDER COMMUNICATION</b>		
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.		
<b>Labs</b>		
<input checked="" type="checkbox"/>	<b>COMPREHENSIVE METABOLIC PANEL</b>	
Interval: Once	Occurrences: --	
<input checked="" type="checkbox"/>	<b>CBC WITH PLATELET AND DIFFERENTIAL</b>	
Interval: Once	Occurrences: --	
<input checked="" type="checkbox"/>	<b>MAGNESIUM LEVEL</b>	
Interval: Once	Occurrences: --	
<input type="checkbox"/>	<b>URINALYSIS, AUTOMATED WITH MICROSCOPY</b>	
Interval: Once	Occurrences: --	
<input type="checkbox"/>	<b>CANCER ANTIGEN 27-29 (CA BR)</b>	
Interval: Once	Occurrences: --	
<b>Nursing Orders</b>		
<b>TREATMENT CONDITIONS 7</b>		
Interval: Until discontinued	Occurrences: --	
Comments:	HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 100,000.	
<b>Line Flush</b>		
<b>sodium chloride 0.9 % flush 20 mL</b>		
Dose: 20 mL	Route: intravenous	PRN
Start: S		
<b>Nursing Orders</b>		
<b>sodium chloride 0.9 % infusion 250 mL</b>		
Dose: 250 mL	Route: intravenous	once @ 30 mL/hr for 1 dose
Instructions:	To keep vein open.	
<b>Pre-Medications</b>		

**ondansetron (ZOFTRAN) 8 mg, dexamethasone (DECADRON) 20 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	8 mg	Yes	No
	DEXAMETHASONE 4 MG/ML INJECTION SOLUTION	Medications	20 mg	Yes	No
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL	Always	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

**Pre-Medications**

**diphenhydrAMINE (BENADRYL) injection 25 mg**

Dose: 25 mg Route: intravenous once for 1 dose  
 Start: S  
 Instructions:  
 Administer via slow IV push 30 minutes prior to chemotherapy.

**diphenhydrAMINE (BENADRYL) 50 mg in sodium chloride 0.9 % 50 mL IVPB**

Dose: 50 mg Route: intravenous once over 15 Minutes for 1 dose  
 Start: S End: S 11:45 AM  
 Instructions:  
 Administer 30 minutes prior to chemotherapy.

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

**diphenhydrAMINE (BENADRYL) tablet 25 mg**

Dose: 25 mg Route: oral once for 1 dose  
 Offset: 0 Hours  
 Instructions:  
 Administer 30 minutes prior to chemotherapy.

**diphenhydrAMINE (BENADRYL) tablet 50 mg**

Dose: 50 mg Route: oral once for 1 dose  
 Offset: 0 Hours  
 Instructions:  
 Administer 30 minutes prior to chemotherapy.

**famotidine (PEPCID) 20 mg/2 mL injection 20 mg**

Dose: 20 mg                      Route: intravenous                      once for 1 dose  
Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

**famotidine (PEPCID) tablet 20 mg**

Dose: 20 mg                      Route: oral                      once for 1 dose  
Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

**acetaminophen (TYLENOL) tablet 650 mg**

Dose: 650 mg                      Route: oral                      once for 1 dose  
Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

**Nursing Orders**

**ONC NURSING COMMUNICATION 36**

Interval: Until                      Occurrences: --  
discontinued

Comments:                      Administer chemotherapy in listed order unless otherwise indicated.

**Chemotherapy**

**trastuzumab (HERCEPTIN) 8 mg/kg in sodium chloride 0.9 % 250 mL chemo IVPB**

Dose: 8 mg/kg                      Route: intravenous                      once over 90 Minutes for 1 dose  
Offset: 30 Minutes

Instructions:  
NOT compatible with D5W.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	TRASTUZUMAB 150 MG INTRAVENOUS SOLUTION	Medications	8 mg/kg	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	250 mL	Yes	Yes

**pertuzumab (PERJETA) 840 mg in sodium chloride 0.9 % 250 mL IVPB**

Dose: 840 mg                      Route: intravenous                      once over 1 Hours for 1 dose  
Offset: 2 Hours

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	PERTUZUMAB 420 MG/14 ML (30 MG/ML) INTRAVENOUS SOLUTION	Medications	840 mg	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	QS Base	222 mL	Yes	Yes

**PAClitaxel (TAXOL) 80 mg/m2 in sodium chloride (NON-PVC) 0.9 % 250 mL chemo IVPB**

Dose: 80 mg/m2                      Route: intravenous                      once over 1 Hours for 1 dose  
Offset: 3 Hours

Instructions:  
Administer through a 0.22 micron filter and

non-PVC tubing set.

**Ingredients:**

Name	Type	Dose	Selected	Adds Vol.
PACLITAXEL 6 MG/ML CONCENTRATE, IN TRAVENOUS	Medications	80 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		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:  
Weight > 72 kg  
Weight <= 72 kg

Modifications:  
Set dose to 480 mcg  
Set dose to 300 mcg

**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 27-29 (CA BR)**

Interval: Once Occurrences: --

**Nursing Orders**

**TREATMENT CONDITIONS 7**

Interval: Until discontinued Occurrences: --

Comments: HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 100,000.

**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

Instructions:  
To keep vein open.

**Pre-Medications**

**ondansetron (ZOFRAN) 8 mg, dexamethasone (DECADRON) 10 mg in sodium chloride 0.9 % 50 mL IVPB**

Dose: -- Route: intravenous once over 15 Minutes for 1 dose  
Start: S

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	ONDANSETRON HCL (PF) 4 MG/2 ML INJECTION SOLUTION	Medications	8 mg	Yes	No
	DEXAMETHASONE 4 MG/ML INJECTION SOLUTION	Medications	10 mg	Yes	No
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base	50 mL	Always	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

**Pre-Medications**

**diphenhydrAMINE (BENADRYL) injection 25 mg**

Dose: 25 mg Route: intravenous once for 1 dose  
Start: S

Instructions:  
Administer via slow IV push 30 minutes prior to chemotherapy.

**diphenhydrAMINE (BENADRYL) 50 mg in sodium chloride 0.9% 50 mL IVPB**

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

Start: S      End: S 11:45 AM

Instructions:

Administer 30 minutes prior to chemotherapy.

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

**diphenhydrAMINE (BENADRYL) tablet 25 mg**

Dose: 25 mg      Route: oral      once for 1 dose  
Offset: 0 Hours

Instructions:

Administer 30 minutes prior to chemotherapy.

**diphenhydrAMINE (BENADRYL) tablet 50 mg**

Dose: 50 mg      Route: oral      once for 1 dose  
Offset: 0 Hours

Instructions:

Administer 30 minutes prior to chemotherapy.

**famotidine (PEPCID) injection 20 mg**

Dose: 20 mg      Route: intravenous      once for 1 dose  
Offset: 0 Hours

Instructions:

Administer 30 minutes prior to chemotherapy.

**famotidine (PEPCID) tablet 20 mg**

Dose: 20 mg      Route: oral      once for 1 dose  
Offset: 0 Hours

Instructions:

Administer 30 minutes prior to chemotherapy.

**acetaminophen (TYLENOL) tablet 650 mg**

Dose: 650 mg      Route: oral      once for 1 dose  
Offset: 0 Hours

Instructions:

Administer 30 minutes prior to chemotherapy.

Chemotherapy

**PAClitaxel (TAXOL) 80 mg/m2 in sodium chloride (NON-PVC) 0.9 % 250 mL chemo IVPB**

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

Instructions:

Administer through a 0.22 micron filter and non-PVC tubing set.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	PACLITAXEL 6 MG/ML CONCENTRATE, INTRAVENOUS	Medications	80 mg/m2	Main Ingredient	Yes
	SODIUM	QS Base	250 mL	Yes	Yes

CHLORIDE 0.9 % IV  
 SOLP  
 (EXCEL;NON-PVC)  
 DEXTROSE 5 % IN QS Base No Yes  
 WATER (D5W) IV  
 SOLP (EXCEL;  
 NON-PVC)

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

Day 15

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: --

**Nursing Orders**

**TREATMENT CONDITIONS 7**

Interval: Until discontinued Occurrences: --

Comments: HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 100,000.

**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

Instructions:  
To keep vein open.

**Pre-Medications**

**ondansetron (ZOFRAN) injection 8 mg**

Dose: 8 mg Route: intravenous once for 1 dose  
Start: S

**Pre-Medications**

**diphenhydrAMINE (BENADRYL) injection 25 mg**

Dose: 25 mg Route: intravenous once for 1 dose  
Start: S

Instructions:  
Administer via slow IV push 30 minutes prior to chemotherapy.

**diphenhydrAMINE (BENADRYL) 50 mg in sodium chloride 0.9% 50 mL IVPB**

Dose: 50 mg Route: intravenous once over 15 Minutes for 1 dose  
Start: S End: S 11:45 AM

Instructions:  
Administer 30 minutes prior to chemotherapy.

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

**diphenhydrAMINE (BENADRYL) tablet 25 mg**

Dose: 25 mg Route: oral once for 1 dose  
Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

**diphenhydrAMINE (BENADRYL) tablet 50 mg**

Dose: 50 mg Route: oral once for 1 dose



Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

**famotidine (PEPCID) injection 20 mg**

Dose: 20 mg                      Route: intravenous                      once for 1 dose  
Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

**famotidine (PEPCID) tablet 20 mg**

Dose: 20 mg                      Route: oral                      once for 1 dose  
Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

**acetaminophen (TYLENOL) tablet 650 mg**

Dose: 650 mg                      Route: oral                      once for 1 dose  
Offset: 0 Hours

Instructions:  
Administer 30 minutes prior to chemotherapy.

Chemotherapy

**PAClitaxel (TAXOL) 80 mg/m2 in sodium chloride (NON-PVC) 0.9 % 250 mL chemo IVPB**

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

Instructions:  
Administer through a 0.22 micron filter and non-PVC tubing set.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	PACLITAXEL 6 MG/ML CONCENTRATE, IN TRAVENOUS	Medications	80 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		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:

Weight > 72 kg

Weight <= 72 kg

Modifications:

Set dose to 480 mcg

Set dose to 300 mcg