

## IP RITUXIMAB 375 / BORTEZOMIB (CYCLE 2 AND BEYOND)

Types: ONCOLOGY TREATMENT  
Synonyms: RITUX, LYMP, 375, BORT, VELC

Cycle 2	Repeat 1 time	Cycle length: 35 days
<b>Day 1</b> Perform every 1 day x1		
Provider Communication		
<b>ONC PROVIDER COMMUNICATION 5</b> Interval: Once Occurrences: -- Comments: Use baseline weight to calculate dose. Adjust dose for weight gains/losses of greater than or equal to 10%.		
Labs		
<input checked="" type="checkbox"/> <b>CBC WITH PLATELET AND DIFFERENTIAL</b> Interval: Once Occurrences: --		
<input checked="" type="checkbox"/> <b>COMPREHENSIVE METABOLIC PANEL</b> Interval: Once Occurrences: --		
<input checked="" type="checkbox"/> <b>MAGNESIUM LEVEL</b> Interval: Once Occurrences: --		
<input type="checkbox"/> <b>LDH</b> Interval: Once Occurrences: --		
<input type="checkbox"/> <b>URIC ACID LEVEL</b> Interval: Once Occurrences: --		
Provider Communication		
<b>ONC PROVIDER COMMUNICATION 58</b> Interval: Once Occurrences: -- Comments: Prior to beginning Rituxan infusion, please check if a Hepatitis B and C serology has been performed within the past 6 months. Hepatitis B and C serologies results: Push F2:11554001 drawn on ***.		
Nursing Orders		
<b>TREATMENT CONDITIONS 10</b> Interval: Once Occurrences: -- Comments: Day 1: HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 50,000; Hemoglobin LESS than 8.		
Line Flush		
<b>sodium chloride 0.9 % flush 20 mL</b> Dose: 20 mL Route: intravenous PRN Start: S		
Nursing Orders		
<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.		
Chemotherapy		
<b>bortezomib (VelCADE) 1.6 mg/m2 in sodium chloride 0.9 % chemo injection</b> Dose: 1.6 mg/m2 Route: subcutaneous once for 1 dose		

Start: S End: S

Instructions:

DRUG IS AN IRRITANT. Administer drug slowly to prevent burning upon administration. A minimum of 72 hours between doses is recommended.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	BORTEZOMIB 3.5 MG SOLUTION FOR INJECTION	Medications	1.6 mg/m2	Main Ingredient	No
	SODIUM CHLORIDE 0.9 % INJECTION SOLUTION	Base		Always	Yes

Rituximab Pre-Medications

**acetaminophen (TYLENOL) tablet 650 mg**

Dose: 650 mg Route: oral once for 1 dose

Start: S

Instructions:

Give 30 minutes before rituximab infusion.

**diphenhydramine (BENADRYL) injection 25 mg**

Dose: 25 mg Route: intravenous once for 1 dose

Start: S

Instructions:

Give 30 minutes before rituximab infusion.

**sodium chloride 0.9 % infusion 500 mL**

Dose: 500 mL Route: intravenous continuous

Start: S

Pharmacy Consult

**PHARMACY CONSULT TO SCREEN FOR RAPID RITUXIMAB INFUSION**

Interval: -- Occurrences: --

Chemotherapy

⊙ **RiTUXImab (PF) (RITUXAN) in sodium chloride 0.9% NON-INITIAL INFUSION IVPB**

Dose: -- Route: intravenous once for 1 dose  
Offset: 2 Hours

Instructions:

Initiate infusion rate at a 100 mg/hour. In the absence of infusion toxicity (SBP within 20 mmHG of baseline, PULSE between 60 and 120 and TEMP less than 38 degrees C, and no symptoms), increase rate by 100 mg/hour increments at 30 minute intervals, to a maximum rate of 400 mg/hour.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	RITUXIMAB 10 MG/ML CONCENTRATE, INTRAVENOUS	Medications		Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base		Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS SOLUTION	Base		No	Yes

○ **RiTUXImab (PF) (RITUXAN) 375 mg/m2 in sodium chloride 0.9% 250 mL RAPID INFUSION RATE IVPB**

Dose: 375 mg/m2      Route: intravenous      once over 90 Minutes for 1 dose  
Offset: 2 Hours

**Instructions:**

**RAPID INFUSION RATE:** Initiate infusion at a rate of 100mL/hour. After 30 minutes, in the absence of infusion reactions (SBP within 20 mmHg of baseline, PULSE between 60 and 120 and Temp less than 38 degrees C, and no symptoms), increase the infusion rate to 200mL/hour. This infusion should take 90 minutes to administer.

**Reaction grades:**

**Grade 3 Reaction:** Prolonged (e.g., not rapidly responsive to symptomatic medication and/or brief interruption of infusion); recurrence of symptoms following initial improvement; hospitalization indicated for clinical sequelae (e.g., renal impairment, pulmonary infiltrates).

**Grade 4 Reaction:** Life-threatening consequences; urgent intervention indicated (e.g., vasopressors or ventilator support).

<b>Ingredients:</b>	<b>Name</b>	<b>Type</b>	<b>Dose</b>	<b>Selected</b>	<b>Adds Vol.</b>
	RITUXIMAB 10 MG/ML CONCENTRATE, INTRAVENOUS SOLUTION	Medications	375 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		No	Yes

**Rituximab Instructions**

**VITAL SIGNS - T/P/R/BP PER UNIT PROTOCOL**

Interval: Once      Occurrences: --  
Comments:      1) During Rituximab infusion:  
-Vitals every 15 minutes during 1st hour of infusion, THEN  
-Every 30 minutes for 1 hour, THEN  
-Every hour until end of infusion  
-Call MD if SBP less than 90, pulse less than 60 or greater than 120, temperature greater than 38.5 degrees C

**ONC NURSING COMMUNICATION 26**

Interval: Once      Occurrences: --  
Comments:      2) Infuse antibody via pump  
3) If any of the following occurs: FEVER (T greater than 38.5 degrees C), RIGORS, HYPOTENSION (30mm Hg decrease from baseline), and / or MUCOSAL CONGESTION / EDEMA, HOLD infusion until improvement of symptoms (When symptoms improve, resume infusion at HALF the previous rate)

**meperidine (DEMEROL) injection 25 mg**  
 Dose: 25 mg                      Route: intravenous                      once PRN  
 Start: S

**diphenhydramine (BENADRYL) injection 25 mg**  
 Dose: 25 mg                      Route: intravenous                      once PRN  
 Start: S

**hydrocortisone sodium succinate (Solu-CORTEF) injection 100 mg**  
 Dose: 100 mg                      Route: intravenous                      once PRN

**famotidine (PEPCID) injection 20 mg**  
 Dose: 20 mg                      Route: intravenous                      once PRN  
 Start: S

Rituximab Additional Orders

**epinephrine (ADRENALIN) 1 mg/1 mL injection 0.3 mg**  
 Dose: 0.3 mg                      Route: intramuscular                      once 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.

**Days 8,15,22**

Perform every 7 days x3

Chemotherapy

**bortezomib (VelCADE) 1.6 mg/m2 in sodium chloride 0.9 % chemo injection**  
 Dose: 1.6 mg/m2                      Route: subcutaneous                      once for 1 dose  
 Start: S                      End: S

Instructions:  
 DRUG IS AN IRRITANT. Administer drug slowly to prevent burning upon administration. A minimum of 72 hours between doses is recommended.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	BORTEZOMIB 3.5 MG SOLUTION FOR INJECTION	Medications	1.6 mg/m2	Main Ingredient	No
	SODIUM CHLORIDE 0.9 % INJECTION SOLUTION	Base		Always	Yes