

IP RITUXIMAB 375 / BORTEZOMIB (CYCLE 1 ONLY)

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

Cycle 1	Repeat 1 time	Cycle length: 35 days
Day 1 Perform every 1 day x1		
Provider Communication		
ONC PROVIDER COMMUNICATION 5 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"/> CBC WITH PLATELET AND DIFFERENTIAL Interval: Once Occurrences: --		
<input checked="" type="checkbox"/> COMPREHENSIVE METABOLIC PANEL Interval: Once Occurrences: --		
<input checked="" type="checkbox"/> MAGNESIUM LEVEL Interval: Once Occurrences: --		
<input type="checkbox"/> LDH Interval: Once Occurrences: --		
<input type="checkbox"/> URIC ACID LEVEL Interval: Once Occurrences: --		
Provider Communication		
ONC PROVIDER COMMUNICATION 58 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		
TREATMENT CONDITIONS 21 Interval: Until discontinued Occurrences: -- Comments: HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 50,000.		
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.		
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

Rituximab Pre-Medications

acetaminophen (TYLENOL) tablet 650 mg

Dose: 650 mg Route: oral once for 1 dose

Start: S
Instructions:
Give 60 minutes before infusion.

diphenhydramine (BENADRYL) injection 25 mg

Dose: 25 mg Route: intravenous once for 1 dose

Start: S
Instructions:
Give 30 minutes before 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) 375 mg/m2 in sodium chloride 0.9% INITIAL INFUSION RATE IVPB

Dose: 375 mg/m2 Route: intravenous once for 1 dose
Offset: 60 Minutes

Instructions:
Initiate infusion at rate of 50 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), then increase infusion rate by 50 mg/hour every 30 minutes, to a maximum rate of 400 mg/hour.

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	RITUXIMAB 10 MG/ML CONCENTRATE, INTRAVENOUS	Medications	375 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS SOLUTION	Base		Yes	Yes
	DEXTROSE 5 % IN WATER (D5W) INTRAVENOUS	Base		No	Yes

SOLUTION

○ **RiTUXimab (PF) (RITUXAN) in sodium chloride 0.9% NON-INITIAL INFUSION IVPB**

Dose: -- Route: intravenous once for 1 dose
 Offset: 60 Minutes

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: 60 Minutes

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).

Ingredients:	Name	Type	Dose	Selected	Adds Vol.
	RITUXIMAB 10 MG/ML CONCENTRATE, INTRAVENOUS	Medications	375 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS	QS Base	250 mL	Yes	Yes

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

Rituximab Instructions

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

Interval: Until discontinued	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: Until discontinued	Occurrences: --
Comments:	2) Infuse antibody via pump 3) If any of the following occurs: FEVER (temperature greater than 38.5 degrees Celsius), 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)

Rituximab Infusion Reaction Orders

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

Provider Communication

ONC PROVIDER COMMUNICATION 58

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

TREATMENT CONDITIONS 21

Interval: Until discontinued

Occurrences: --

Comments:

HOLD and notify provider if ANC LESS than 1000; Platelets LESS than 50,000.

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.

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 SODIUM CHLORIDE 0.9 % INJECTION SOLUTION

Medications

Base

1.6 mg/m2

Main No
Ingredient

Always Yes

Rituximab Pre-Medications

acetaminophen (TYLENOL) tablet 650 mg

Dose: 650 mg

Route: oral

once for 1 dose

Start: S

Instructions:

Give 60 minutes before infusion.

diphenhydramine (BENADRYL) injection 25 mg

Dose: 25 mg

Route: intravenous

once for 1 dose

Start: S

Instructions:

Give 30 minutes before 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: 30 Minutes

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

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	RITUXIMAB 10 MG/ML CONCENTRATE, INTRAVENOUS	Medications	375 mg/m2	Main Ingredient	Yes
	SODIUM CHLORIDE 0.9 % INTRAVENOUS	QS Base	250 mL	Yes	Yes

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

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Dose: 100 mg	Route: intravenous	once PRN
Start: S		
famotidine (PEPCID) injection 20 mg		
Dose: 20 mg	Route: intravenous	once PRN
Start: S		

Rituximab Additional Orders

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Dose: 0.3 mg	Route: intramuscular	once PRN
Start: S		