

Regimen Reference Order – LYMP – oBINutuzumab + bendamustine

ARIA: LYMP – [oBINutuzumab + bendamustine]

Planned Course: Every 28 days for 6 cycles

Indication for Use: Non-Hodgkin Lymphoma

CVAD: At Provider’s Discretion

Proceed with treatment if:

Day 1

ANC equal to or greater than $1 \times 10^9/L$ AND Platelets equal to or greater than $75 \times 10^9/L$

❖ **Contact Hematologist if parameters not met**

SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements

Drug	Dose	CCMB Administration Guideline
allopurinol*	300 mg	Orally once daily for 10 days to begin 3 days prior to Cycle 1 and at provider’s discretion for subsequent cycles *Only patients at risk of tumor lysis syndrome will be prescribed allopurinol

Treatment Regimen – LYMP – oBINutuzumab + bendamustine

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Cycle 1		
Day 1		
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to oBINutuzumab <i>*Nursing Alert: oBINutuzumab starts 1 hour after completion of dexamethasone infusion</i>
diphenhydrAMINE	50 mg	IV in normal saline 50 mL over 15 minutes 30 minutes prior to oBINutuzumab
acetaminophen	650 mg	Orally 30 minutes prior to oBINutuzumab
oBINutuzumab	100 mg	IV in normal saline 100 mL following administration rates below: <ul style="list-style-type: none"> • 0 to 60 minutes – 6 mL/hour • 60 to 120 minutes – 12 mL/hour • 120 minutes onward – 24 mL/hour <i>* Alert: Pharmacy to ensure final volume in bag = 100 mL (1mg/mL final concentration)</i> <i>*Nursing Alert: Line will be primed with oBINutuzumab</i>
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
bendamustine	90 mg/m ²	IV in normal saline 500 mL over 1 hour <i>Concentration dependent drug. Pharmacy will adjust diluent volume to ensure drug stability</i>
normal saline	100 mL	IV over 12 minutes

Day 2		
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to oBINutuzumab <i>*Nursing Alert: oBINutuzumab starts 1 hour after completion of dexamethasone infusion</i>
diphenhydrAMINE	50 mg	IV in normal saline 50 mL over 15 minutes 30 minutes prior to oBINutuzumab
acetaminophen	650 mg	Orally 30 minutes prior to oBINutuzumab
oBINutuzumab	900 mg	IV in normal saline 250 mL following administration rates below: <ul style="list-style-type: none"> • 0 to 30 minutes – 14 mL/hour • 30 to 60 minutes – 28 mL/hour • 60 to 90 minutes – 42 mL/hour • 90 to 120 minutes – 56 mL/hour • 120 to 150 minutes – 69 mL/hour • 150 to 180 minutes – 83 mL/hour • 180 to 210 minutes – 97 mL/hour • 210 to 240 minutes – 111 mL/hour <i>*Alert: Pharmacy to ensure final volume in bag = 250 mL (3.6 mg/mL final concentration)</i> <i>*Nursing Alert: Line will be primed with oBINutuzumab</i>
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
bendamustine	90 mg/m ²	IV in normal saline 500 mL over 1 hour <i>Concentration dependent drug. Pharmacy will adjust diluent volume to ensure drug stability</i>
normal saline	100 mL	IV over 12 minutes
Days 8 and 15		
dexamethasone	20 mg	ONLY to be given if patient had a grade 3 or 4 infusion-related reaction with their previous oBINutuzumab infusion or if their lymphocyte count prior to Day 1 of current cycle was greater than $25 \times 10^9/L$ IV in normal saline 50 mL over 15 minutes 1 hour prior to oBINutuzumab <i>*Nursing Alert: oBINutuzumab starts 1 hour after completion of dexamethasone infusion</i>
diphenhydrAMINE	50 mg	ONLY to be given if patient experienced any infusion-related reaction with previous oBINutuzumab infusion IV in normal saline 50 mL over 15 minutes 30 minutes prior to oBINutuzumab
acetaminophen	650 mg	Orally 30 minutes prior to oBINutuzumab
oBINutuzumab	1000 mg	IV in normal saline 250 mL following administration rates below: <ul style="list-style-type: none"> • 0 to 30 minutes – 25 mL/hour • 30 to 60 minutes – 50 mL/hour • 60 to 90 minutes – 75 mL/hour • 90 minutes onwards – 100 mL/hour <i>*Alert: Pharmacy to ensure final volume in bag = 250 mL (4 mg/mL final concentration)</i> <i>*Nursing Alert: Line will be primed with oBINutuzumab</i>

Cycles 2 to 6		
Day 1		
dexamethasone	12 mg or 20 mg	12mg IV in normal saline 50mL over 15 minutes. Can be given 30 minutes pre-treatment OR 20mg IV in normal saline 50 mL over 15 minutes 1 hour prior to oBINutuzumab if patient had a grade 3 or 4 infusion-related reaction with their previous oBINutuzumab infusion or if their lymphocyte count prior to Day 1 of current cycle is greater than $25 \times 10^9/L$ (starts 1 hour after completion of dexamethasone infusion)
diphenhydrAMINE	50 mg	ONLY to be given if patient experienced any infusion-related reaction with previous oBINutuzumab infusion IV in normal saline 50 mL over 15 minutes 30 minutes prior to oBINutuzumab
acetaminophen	650 mg	Orally 30 minutes prior to oBINutuzumab
oBINutuzumab	1000 mg	IV in normal saline 250 mL following administration rates below: <ul style="list-style-type: none"> • 0 to 30 minutes – 25 mL/hour • 30 to 60 minutes – 50 mL/hour • 60 to 90 minutes – 75 mL/hour • 90 minutes onwards – 100 mL/hour <p><i>*Alert: Pharmacy to ensure final volume in bag = 250 mL (4 mg/mL final concentration)</i></p> <p><i>*Nursing Alert: Line will be primed with oBINutuzumab</i></p>
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
bendamustine	90 mg/m ²	IV in normal saline 500mL over 1 hour <i>Concentration dependent drug. Pharmacy will adjust diluent volume to ensure drug stability</i>
normal saline	100 mL	IV over 12 minutes
Day 2		
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
dexamethasone	12 mg	Orally 30 minutes pre-chemotherapy
bendamustine	90 mg/m ²	IV in normal saline 500 mL over 1hour <i>Concentration dependent drug. Pharmacy will adjust diluent volume to ensure drug stability</i>
normal saline	100 mL	IV over 12 minutes
All doses will be automatically rounded that fall within the DSG Approved Dose Bands. See LYMP DSG – Dose Banding document for more information		

Flush after each medication:

- 50 mL over 6 minutes (500 mL/hr)

In the event of an infusion-related hypersensitivity reaction, refer to the 'Hypersensitivity Reaction Standing Order'

REQUIRED MONITORING

All Cycles

- CBC, biochemistry as per physician order

Cycle 1, Day 1

- Full vital signs (temperature, heart rate, respiration, blood pressure and O₂ saturation)
 - at baseline, then
 - blood pressure and pulse every 15 minutes for 1 hour, then
 - blood pressure and pulse every 30 minutes for 1 hour, then
 - blood pressure every hour until infusion complete
- No observation period is required
- Patient can be discharged from treatment room if stable whether they had a reaction or not

Cycle 1, Day 2 and subsequent infusions

- Full vital signs (temperature, heart rate, respiration, blood pressure and O₂ saturation) prior to each dose of oBINutuzumab and as clinically indicated
- No observation period is required
- Patient can be discharged from treatment room if stable whether they had a reaction or not

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
ondansetron	8 mg	Orally once evenings of bendamustine administration and then every 12 hours as needed thereafter
dexamethasone	8 mg	Orally once daily on Days 3 and 4
valACYclovir	500 mg	Orally once daily (at physician's discretion)

DISCHARGE INSTRUCTIONS

- Instruct patient to continue taking anti-emetic(s) at home
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

ADDITIONAL INFORMATION

- Administering nurse must document any infusion related-reactions with any dose of oBINutuzumab
- For Cycle 1, Days 1 and 2, oBINutuzumab administration is 6 to 8 hours on average. Treatment should be booked at earliest morning appointment
- Administration site restrictions are in place for oBINutuzumab. Cycle 1, Days 1 and 2 must be administered at CCMB MacCharles or Tache in Winnipeg