

Regimen Reference Order – LYMP - GD-CARBO

ARIA: LYMP – [GD-CARBO]

Planned Course: Every 21 days to a maximum of 6 cycles

Indication for Use: Relapsed/Refractory Non-Hodgkin's or Hodgkin's Lymphoma

CVAD: At Provider's Discretion

Proceed with treatment if:

- ANC equal to or greater than $1 \times 10^9/L$ AND Platelets equal to or greater than $50 \times 10^9/L$
 - ❖ 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 - GD-CARBO

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
Day 1		
aprepitant	125 mg	Orally 1 hour pre-chemotherapy
ondansetron	16 mg	Orally 30 minutes pre-chemotherapy
dexamethasone	40 mg	IV in normal saline 50 mL over 15 minutes
gemcitabine	1000 mg/m ²	IV in normal saline 250 mL over 30 minutes
CARBOplatin	AUC 5 mg/mL.min; maximum dose 750 mg (see table below)	IV in D5W 250 mL over 30 minutes
Day 8		
dexamethasone	8 mg	Orally 30 minutes pre-chemotherapy
gemcitabine	1000 mg/m ²	IV in normal saline 250 mL over 30 minutes

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

REQUIRED MONITORING

All Cycles

Day 1

- CBC, biochemistry as per physician order

Day 8

- No bloodwork required before Day 8

Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
aprepitant	80 mg	Orally once daily on Days 2 and 3
dexamethasone	40 mg	Orally once daily on Days 2, 3 and 4
metoclopramide	10 – 20 mg	Orally every 4 hours as needed for nausea and vomiting

DISCHARGE INSTRUCTIONS

- dexamethasone is an anti-lymphoma agent in this treatment regimen. Remind patient to take dexamethasone at home
- 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

- CARBOplatin dose considerations:
 - CCMB Lymphoproliferative DSG uses **actual body weight** to calculate GFR
 - CCMB Lymphoproliferative DSG uses a maximum CARBOplatin dose of 750 mg for this regimen
 - If calculated CARBOplatin dose differs **more than 10%** from prescribed CARBOplatin dose, contact the prescriber

CARBOplatin Dosing Calculations per CCMB Lymphoproliferative DSG

Calculation of CARBOplatin dose: (max.750 mg)

Dose (mg) = target AUC (GFR + 25)

GFR = $N \times (140 - \text{age in years}) \times \frac{\text{Actual Body Weight (kg)}}{\text{serum creatinine in } \mu\text{mol/L}}$ = ___ mL/min

N = 1.23 in males

N = 1.04 in females

$$\begin{array}{|c|} \hline \text{AUC} \\ \text{(mg/mL.min)} \\ \hline 5 \\ \hline \end{array} \times \begin{array}{|c|} \hline \text{GFR} + 25 \\ \text{(mL/min)} \\ \hline \text{---} + 25 \\ \hline \end{array} = \begin{array}{|c|} \hline \text{Total Dose} \\ \text{(mg)} \\ \hline \text{---} \\ \hline \end{array}$$

AUC= Area Under Curve

The estimated creatinine clearance is based on limited evidence. Sound clinical judgment and interpretation of the estimation are required, because the equation above may not be appropriate for some patient populations (for example, acute renal failure).