

## Regimen Reference Order – LYMP – PEP-C

**Planned Course:** Induction (1 cycle): Once daily until WBC less than  $3 \times 10^9/L$  then hold cyclophosphamide, etoposide and procarbazine until Maintenance begins

Maintenance starts at count recovery (until disease progression or unacceptable toxicity): Cycle length determined by blood counts

predniSONE starts with Induction and is taken continuously throughout

**Indication for Use:** Lymphoma Relapsed/Refractory

**Proceed with Induction and Maintenance treatment if:**

- WBC equal to or greater than  $3 \times 10^9/L$
- Platelets equal to or greater than  $50 \times 10^9/L$
- Hemoglobin greater than 80 g/L
- ❖ Contact Hematologist if parameters not met

### SEQUENCE OF MEDICATION ADMINISTRATION

#### Treatment Regimen – LYMP – PEP-C

Drug	Dose	CCMB Administration Guideline
<b>Induction</b>		
predniSONE	20 mg	Orally once daily in the morning after breakfast. Take with food. Continued regardless of blood counts
cyclophosphamide	50 mg	Orally once daily after lunch. Take with or without food
etoposide	50 mg	Orally once daily in the evening. Take on empty stomach
procarbazine	50 mg	Orally once daily at bedtime. Take with or without food
<b>Maintenance</b>		
predniSONE	20 mg	Orally once daily in the morning after breakfast. Take with food. Continued regardless of blood counts
cyclophosphamide	50 mg	Maintenance dose frequency is titrated to maintain a WBC of at least $3 \times 10^9/L$
etoposide	50 mg	
procarbazine	50 mg	

**All drugs are self-administered at home**

Maintenance dosing frequency to be determined by physician such as once daily, 5 days out of 7 days, every other day, twice weekly or once weekly

**cyclophosphamide (Procytox®) available dosage strengths: 25mg, 50 mg tablets**

**Classification: Cytotoxic, Hazardous**

**etoposide (Vepesid®) available dosage strength: 50 mg capsule**

**Classification: Cytotoxic, Hazardous**

**procarbazine (Matulane®) available dosage strength: 50 mg capsule**

**Classification: Cytotoxic, Hazardous**

## REQUIRED MONITORING

### Induction

- Weekly CBC with nurse assessment
- Electrolytes, creatinine, liver enzymes and LDH every 4 weeks

### Maintenance (if counts stable)

- CBC every 2 weeks with nurse assessment
- Electrolytes, creatinine, liver enzymes and LDH every 4 weeks

## Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
ondansetron	8 mg	Orally 30 minutes prior to procarbazine

## INSTRUCTIONS FOR PATIENT

- Instruct patient to:
  - Maintain oral intake of 2000 mL (8 glasses) of fluid daily at home
  - Report hematuria or dysuria
- Patients should notify clinic prior to starting any new medication. Medications in this regimen have potential for drug-drug interactions
- Avoid grapefruit or grapefruit juice
- Drinking alcohol while taking procarbazine can cause a severe adverse reaction
- Avoid certain food which contain tyramine (e.g. deli meats, aged cheese) as they may interact with procarbazine

## ADDITIONAL INFORMATION

- All oral agents as part of this regimen (predniSONE, cyclophosphamide, etoposide, and procarbazine) will be dispensed by CancerCare Manitoba Pharmacy