

## Regimen Reference Order – CLL – fludarabine (IV)

ARIA: - CLL – [fludarabine (IV)]

Planned Course: Every 28 days for 6 cycles

Indication for Use: Chronic Lymphocytic Leukemia

CVAD: At Provider's Discretion

### **Proceed with treatment if:**

- ***Creatinine clearance greater than 30 mL/minute***

#### ***Cycle 1***

- ***Proceed with treatment regardless of CBC***

#### ***Cycle 2 onwards***

- ***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 <b>(Self-administered at home)</b> *Only patients at risk of tumor lysis syndrome will be prescribed allopurinol

### Treatment Regimen – CLL – fludarabine (IV)

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
<b>Days 1 to 5</b>		
fludarabine	25 mg/m <sup>2</sup>	IV in normal saline 50 mL over 30 minutes

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

## REQUIRED MONITORING

All Cycles

- CBC, serum creatinine, urea, liver enzymes, electrolytes, LDH, total bilirubin, uric acid and albumin as per Physician Orders

### Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
valACYclovir	500 mg	Orally once daily
sulfamethoxazole-trimethoprim	800/160 mg	Orally twice daily on Saturdays and Sundays ONLY
metoclopramide	10 – 20 mg	Orally every 4 hours as needed for nausea and vomiting

### DISCHARGE INSTRUCTIONS

- Instruct patient to continue taking anti-emetic(s) at home
- valACYclovir is prescribed for herpes zoster (shingles) prophylaxis
- sulfamethoxazole-trimethoprim DS is prescribed for *Pneumocystis jirovecii* pneumonia prophylaxis
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

### ADDITIONAL INFORMATION

- Patients on fludarabine should receive irradiated blood products
- valACYclovir and sulfamethoxazole-trimethoprim DS continue while on treatment and for 6 months after discontinuation of fludarabine due to risk of prolonged immunosuppression