

Regimen Reference Order – CLL – fludarabine (oral)

ARIA: - CLL – [fludarabine (oral)]

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 (Self-administered at home) *Only patients at risk of tumor lysis syndrome will be prescribed allopurinol |

Treatment Regimen – CLL – fludarabine (oral)

| Drug | Dose | CCMB Administration Guideline |
|--|---|---|
| Days 1 to 5 | | |
| fludarabine | 40 mg/m ² (rounded to nearest 10 mg tablet) | Orally once daily with or without food Swallow whole (Self-administered at home) |
| fludarabine (Fludara®) available dosage strength: 10 mg tablet | | |
| Classification: Cytotoxic, Hazardous | | |

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 |

INSTRUCTIONS FOR PATIENT

- 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
- Oral fludarabine is dispensed by CCMB pharmacy or Community Cancer Program (CCP) pharmacy