

## Regimen Reference Order – HEME – cladribine (systemic mastocytosis)

ARIA: HEME - [cladribine (mastocytosis)]

**Planned Course:** Once daily for 5 days (1 cycle = 28 to 84 days; cycle length to be determined by physician) to a maximum of 9 cycles

**Indication for Use:** Systemic mastocytosis

**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  $75 \times 10^9/L$**
- **Creatinine clearance is equal to or greater than 30 mL/minute**
- ❖ **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 – HEME – cladribine (systemic mastocytosis)

Establish primary solution 500 mL of: normal saline

Drug	Dose	CCMB Administration Guideline
<b>Days 1 to 5</b>		
cladribine	0.14 mg/kg	IV in normal saline 500 mL over 2 hours
All doses will be automatically rounded that fall within the DSG Approved Dose Bands. See HEME DSG – Dose Banding document for more information		

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

## REQUIRED MONITORING

Day 1

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

### Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
sulfamethoxazole-trimethoprim	800/160 mg	Orally twice daily on Saturdays and Sundays only
valACYclovir	500 mg	Orally once daily
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
- Remind patient to take valACYclovir (shingles prophylaxis) and sulfamethoxazole-trimethoprim (*Pneumocystis jirovecii* pneumonia prophylaxis) at home
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

### ADDITIONAL INFORMATION

- valACYclovir and sulfamethoxazole-trimethoprim DS continue during and for 3 months after last dose of cladribine given due to risk of prolonged immunosuppression
- Patients on cladribine require irradiated blood products