

## Regimen Reference Order – LEUK – midostaurin

**Planned Course:** Induction (up to 2 cycles): midostaurin in combination with 7+3 chemotherapy

Consolidation (up to 4 cycles): midostaurin in combination with high dose cytarabine (HIDAC)

**Indication for Use:** Acute Myeloid Leukemia (AML) FLT3 mutation positive

***Proceed with treatment if:***

- ❖ *midostaurin is given regardless of blood counts*

### SEQUENCE OF MEDICATION ADMINISTRATION

Treatment Regimen – LEUK - midostaurin		
Drug	Dose	CCMB Administration Guideline
<b>Induction</b>		
Patients will be admitted to Health Sciences Centre for induction treatment. Follow inpatient orders		
<b>Consolidation</b>		
cytarabine		Refer to applicable HIDAC consolidation orders: (LEUK – [cytarabine HIDAC 6 (AML)], LEUK – [cytarabine HIDAC 9 (AML)], or LEUK – [cytarabine HIDAC 18 (AML)])
<b>Days 8 to 21</b>		
midostaurin	50 mg	Orally twice daily with food (12 hour interval)
midostaurin (Rydapt®) available dosage strength: 25 mg capsule		
Classification: Cytotoxic, Hazardous		

### REQUIRED MONITORING

#### Monitoring for HIDAC

Refer to applicable HIDAC Consolidation orders:

- LEUK – [cytarabine HIDAC 6 (AML)]; OR
- LEUK – [cytarabine HIDAC 9 (AML)]; OR
- LEUK – [cytarabine HIDAC 18 (AML)]

#### EKG monitoring (midostaurin)

- EKG to be performed once per cycle (suggest day 15). Consider more frequent EKG monitoring In the setting of interacting medications (e.g. posaconazole or voriconazole), consider three times per week at physician's discretion

### Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
Not Applicable		

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## INSTRUCTIONS FOR PATIENT

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- Instruct patient to swallow midostaurin with a glass of water. Do not open, crush or chew capsules
- Patients should notify clinic prior to starting any new medication. midostaurin has potential for drug-drug interactions
- Avoid grapefruit or grapefruit juice
- Reinforce applicable safe handling precautions of medications, blood and body fluids for 48 hours after completion of chemotherapy

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## ADDITIONAL INFORMATION

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- QT prolongation has been associated with midostaurin
- If patient unwell on weekend, CCMB nursing to contact Leukemia/BMT physician on call through HSC paging
- In the outpatient setting, midostaurin will be dispensed by CCMB Pharmacy