

## Regimen Reference Order – iron sucrose desensitization

ARIA: SUPP - [iron sucrose 200 mg (desens)]

SUPP - [iron sucrose 300 mg (desens)]

**Planned Course:** As per Hematologist’s discretion

**Indication for Use:** Eligible patients with previous hypersensitivity reactions to iron sucrose

**Alert:** Desensitization protocol

**iron sucrose:**

- *iron sucrose desensitization is prepared in one bag to a final concentration of 1 mg/mL*
- *IV tubing is primed with iron sucrose*
- *iron sucrose is administered slowly following specified rate increases. iron sucrose infusion takes approximately 2.5 hours to complete*

**CVAD:** At Provider’s Discretion

**Blood work requirements:**

❖ *Refer to prescribed iron sucrose order*

### SEQUENCE OF MEDICATION ADMINISTRATION

Pre-treatment Requirements		
Drug	Dose	CCMB Administration Guideline
Not Applicable		

Treatment Regimen – iron sucrose desensitization		
Establish primary solution 500 mL of: normal saline		
Drug	Dose	CCMB Administration Guideline
montelukast	10 mg	Orally <b>1 hour</b> prior to iron sucrose
cetirizine	20 mg	Orally <b>1 hour</b> prior to iron sucrose
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes <b>1 hour</b> prior to iron sucrose <i>*Nursing Alert: iron sucrose starts 1 hour after completion of dexamethasone infusion</i>
<b>Wait 1 hour after completion of IV pre-medication(s) before starting iron sucrose</b>		

iron sucrose	Prescribed mg dose (usually 200-300 mg)	<p>IV in normal saline made up to a final concentration of 1 mg/mL following the administration rates below:</p> <p><b>Step 1:</b> 2 mL/hour for 15 minutes, then</p> <p><b>Step 2:</b> 4 mL/hour for 15 minutes, then</p> <p><b>Step 3:</b> 10 mL/hour for 15 minutes, then</p> <p><b>Step 4:</b> 20 mL/hour for 15 minutes, then</p> <p><b>Step 5:</b> 40 mL/hour for 15 minutes, then</p> <p><b>Step 6:</b> 80 mL/hour for 15 minutes, then</p> <p><b>Step 7:</b> 120 mL/hour for 15 minutes, then</p> <p><b>Step 8:</b> 200 mL/hour until infusion complete</p> <p><i>*Alert: Pharmacy to ensure final volume on label</i></p> <p><i>*Nursing Alert: IV tubing is primed with iron sucrose</i></p>
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In the event of an infusion-related hypersensitivity reaction, refer to the ‘Hypersensitivity Reaction Standing Order’

## REQUIRED MONITORING

All Cycles

- Full vital signs (temperature, heart rate, respiratory rate, blood pressure and O<sub>2</sub> saturation) at baseline and as clinically indicated
- Observe patient for 30 minutes after the iron sucrose infusion. Full vital signs prior to discharge

## Recommended Support Medications

Drug	Dose	CCMB Administration Guideline
None required		

## DISCHARGE INSTRUCTIONS

- Patients should be instructed to contact their cancer team immediately if symptoms of hypersensitivity occur after discharge

## ADDITIONAL INFORMATION

- Hematologist must write first prescription of iron sucrose desensitization protocol
- Support protocols are available under **iron sucrose 200 mg** and **iron sucrose 300 mg** in the “Desensitization” folder