

Regimen Reference Order – iron sucrose desensitization

To order this therapy in ARIA, refer to Additional Information below

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 1 hour prior to iron sucrose
cetirizine	20 mg	Orally 1 hour prior to iron sucrose
dexamethasone	20 mg	IV in normal saline 50 mL over 15 minutes 1 hour prior to iron sucrose <i>*Nursing Alert: iron sucrose starts 1 hour after completion of dexamethasone infusion</i>
Wait 1 hour after completion of IV pre-medication(s) before starting iron sucrose		

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>Step 1: 2 mL/hour for 15 minutes, then</p> <p>Step 2: 4 mL/hour for 15 minutes, then</p> <p>Step 3: 10 mL/hour for 15 minutes, then</p> <p>Step 4: 20 mL/hour for 15 minutes, then</p> <p>Step 5: 40 mL/hour for 15 minutes, then</p> <p>Step 6: 80 mL/hour for 15 minutes, then</p> <p>Step 7: 120 mL/hour for 15 minutes, then</p> <p>Step 8: 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 O₂ 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
- **ARIA ordering:** Support protocols are available under **iron sucrose 200 mg** and **iron sucrose 300 mg** in the “Desensitization” folder