

This document is to help guide the use of the provided GRH IV Iron Sucrose package. The documents included in the IV Iron Sucrose Package are:

1. Adult Outpatient Iron Sucrose Order set (page 2 and 3)

Use this document to help determine:

- (1) If the patient is a candidate for IV Iron therapy
- (2) If the IV Iron therapy will be paid for by GRH or by the patient

AND

to order IV Iron Sucrose to be administered at GRH. (Note: if the patient is to pay for the Iron Sucrose they will also require a separate outpatient prescription)

2. Form 1: Facilitating Patient Payment for IV Iron Sucrose (page 4)

This document provides guidance for payment options for patients that have to pay for their own Iron Sucrose.

3. Form 2: IV Iron Sucrose EAP request form (page 5)

This document can be used for patients who are ODB eligible to request Exceptional Access Program Coverage.

We suggest keeping these documents for your records to help you with ordering Iron Sucrose for patient's in the future, however if you need a new package or any of the forms listed above please contact Medical Day Unit at Grand River Hospital at 519-749-4300 ext 2126.

ROUTINE ORDERS

Adult Outpatient Iron Sucrose Order Set

Prescriber instructions: 1) The prescriber MUST check an empty box (☐) to activate the corresponding order. 2) An order with a black box ■ will be activated UNLESS the prescriber crosses out the complete order with a line and initials.					
Date: year/month/day	Time:	Weight (kg): _____ Height (cm): _____	Allergies: ☐ None ☐ Yes Review electronic record	*Order #	Initials
Required Criteria for Outpatient Administration of IV Iron Sucrose at GRH					
All of the following criteria must be met. Check all that apply.					
☐ Diagnosis of iron deficiency anemia: Hemoglobin (Hgb) level less than 120g/L in females or less than 130g/L in males					
AND					
☐ Low iron stores as demonstrated by: transferrin saturation (TSAT) less than 20% (0.20) AND/OR ferritin less than 15 mcg/L					
AND					
☐ Insufficient time (4 weeks or less) to evaluate efficacy of oral therapy for upcoming procedure (e.g prior to surgery) OR documented intolerance/inadequate response to appropriate trial of oral therapy OR inability to absorb oral iron					
Eligibility for insured services					
☐ GRH Pays - iron sucrose will be supplied at the appointment (IF administration of iron sucrose is an adjunct therapy for an INSURED HOSPITAL SERVICE, such as a surgical procedure, diagnostic test or treatment)					
☐ Patient Pays - patient must bring iron sucrose to appointment (IF sole reason for outpatient visit is iron sucrose administration even if being treated for iron-deficiency anemia and meets criteria above)					
NOTE: patient MUST be provided with a prescription to fill at a pharmacy and bring with them.					
Lab work and Diagnostics					
☐ CBC, Ferritin and Iron Studies at final scheduled appointment					
IV fluid					
☐ Peripheral saline lock					
☐ Sodium Chloride 0.9% 250mL at 150mL/hr					
Medication					
Premedication (consider if patient has had reaction during previous iron sucrose infusion)					
☐ Diphenhydramine 50mg IV x 1 ☐ prn for reaction ☐ pre infusion					
☐ Hydrocortisone 100mg IV x 1 ☐ prn for reaction ☐ pre infusion					
☐ Dimenhydrinate 50mg IV x 1 ☐ prn for reaction ☐ pre infusion					
☐ Acetaminophen 1000mg PO x 1 ☐ prn for reaction ☐ pre infusion					
Iron Sucrose					
☐ Iron sucrose 100mg IV every _____ (frequency) x _____ doses					
☐ Iron sucrose 200mg IV every _____ (frequency) x _____ doses					
☐ Iron sucrose 300mg IV every _____ (frequency) x _____ doses					
☐ Iron sucrose 400mg IV every _____ (frequency) x _____ doses					
Monitoring					
■ Monitor for signs and symptoms of hypersensitivity reactions for at least 30 minutes post infusion and until clinically stable					
☐ Patient has been provided with outpatient prescription for Iron Sucrose if applicable					

* Enter Order # and initial (by Nurse/Clerical)

Calculating Iron Replacement Requirements

Normal Hgb

Women: Greater than 120g/L

Men: Greater than 130g/L

1. Hgb deficit (g/L) = target Hgb – actual Hgb

Deficit = _____

2. Total iron dose required (mg) = (Hgb deficit x 20) + 500

Total Iron requirements= _____

IV Iron Sucrose Prescribing Guidelines (See GRH IV manual or Iron Sucrose Product Monograph for more detailed information)

- Administer in divided doses with a preferred maximum daily dose of 300mg and maximum dose of 1000mg in 14 days
- Dosage regimen once per week, but can give multiple weekly doses in certain circumstances
- Cannot administer more than one IV dose per day and preferable to wait 2 to 3 days between doses
- Consider initiating at lower doses for special patient populations such as elderly, pregnant women and renal patients to reduce infusion reactions

Oral Iron Therapy Considerations

- Parenteral and oral iron have equal efficacy at equivalent doses. IV administration may offer benefit in patients with absorption issues or who have been unable to tolerate a trial of multiple oral iron agents
- Low doses of 15-50mg of daily elemental iron orally have demonstrated improved tolerability over higher doses and equal efficacy when used over 2 months
- Consider contacting a community pharmacist to help guide oral iron therapy and aid in minimizing issues with tolerability

Oral Iron Product Review

Iron Salt	Product	Elemental Iron	ODB Coverage
Ferrous gluconate	300 mg tablet	35 mg per tablet	Yes
Ferrous sulfate	75 mg/mL liquid	15 mg/mL	Yes
Ferrous sulfate	300 mg tablet	60mg per tablet	No
Ferrous fumarate (eg. Palafer)	300 mg tablet	100 mg per tablet	Yes
Ferrous fumarate	60 mg/mL liquid	20 mg/mL	Yes
Heme iron polypeptide (Proferrin)		11 mg per tablet	No
Polysaccharide-iron complex (PIC) (Feramax)	40 mg tablet 150 mg tablet	40 mg per tablet 150 mg per tablet	No

Guidance for outpatient prescription

When providing an outpatient prescription please include as follows:

Iron sucrose _____ mg (dose) every _____ (frequency) x _____ (number of doses)

Form 1: Facilitating Patient Payment for IV Iron Sucrose

For patients obtaining their own supply of IV Iron Sucrose (Venofer) for administration at the Medical Day Unit at Grand River Hospital there are 4 potential options. See below for pricing and information regarding Health Care Centre Pharmacy dispensing.

1. Private insurance

Patients contact their private insurance provider to determine if they are eligible to have IV Iron Sucrose dispensed through their plan. The patient must do this on their own, but may need the drug identification number listed here (DIN: 02243716).

2. Exceptional Access Coverage

Physicians can apply for exceptional access for all ODB patients (including those on Trillium) for IV iron sucrose therapy. The Exceptional Access Form (Form 2) has been attached or can also be accessed from the Medical Day Unit at Grand River Hospital.

3. Patients pay cash

Patients can pay cash at their own community pharmacy or Health Care Centre Pharmacy at the hospital for their IV iron and pick the dose up prior to their scheduled appointment.

4. Special considerations

For patients that don't have private or EAP coverage but who are unable to afford their IV iron, we will discuss these cases on an individual basis to determine the best course of action. Please contact the Clinical Manager, Medical Day Unit; 519-749-4300 ext 3956.

Health Care Centre Pharmacy Information

Cost per dose of medication for cash paying patients (prices are subject to change)

Dose	Approximate Cost
100mg	\$53.00
200mg	\$96.00
300mg	\$140.00
400mg	\$183.00
500mg	\$227.00

Reasons to use HCCP for IV Iron

- Convenience – pick up your Iron on the way to your appointment
- Supply – HCCP will always have supply of IV Iron available for our Medical Day Unit Patients
- Quick and friendly service – HCCP will only need 30 minute notice to fill your IV Iron prescription

FORM 2: IV iron sucrose EAP request form

To be completed and submitted for Ontario Drug Benefit (ODB) patients (e.g. over 65 years, on social assistance, or covered through Trillium Drug Program)

Exceptional Access Program (EAP) Request for Iron Sucrose (Venofer) for the Treatment of Iron-Deficiency Anemia

Fax the completed form and/or any additional relevant information to (416) 327-7526 or toll free to 1-866-811-9908; OR send to EAPB Ontario Public Drug Programs, Exceptional Access Program Branch, 3rd Floor, 5700 Yonge Street, Toronto, ON, M2M 4K5

Section 1 – Prescriber Information			Section 2 – Patient Information		
First name	Initial	Last name	First name	Initial	Last name
Mailing Address			Health Number		
Street no.		Street name			
City		Postal code			
Fax no. ()		Telephone no. ()	Date of birth (yyyy/mm/dd)		

New request **Renewal of existing EAP approval** (specify EAP#) _____

Section 3 – Drug, Dose and Regimen Requested

Drug product: Iron sucrose (Venofer) 100mg/5mL vial(s)
 Dose: _____
 Frequency: _____
 Number of doses: _____

Section 4 – Laboratory Results (Attach a copy of the results or submit the following results indicated below)

Diagnosis of iron-deficiency anemia has been confirmed with documented bloodwork
 Hemoglobin: _____ g/L MCV: _____ fL Date collected: _____
 If Hemoglobin less than 120 g/L in females or less than 130 g/L in males or MCV less than 75fL or greater than 120fL, provide the following:

Date Drawn	Level	Date Drawn	Level
	Ferritin mcg/L		Serum Iron Levels mcg/dL
	TSAT %		Total iron binding capacity (TIBC) mcg/dL

Section 5 – Medication: Current and/or Previous

Patient has already been treated with at least one iron product as summarized below:

Medication and Name	Dose	Start Date	Duration
Oral Iron			
Oral Iron			
IV Iron			

AND
 Patient has demonstrated intolerance to oral iron therapy
 OR
 Patient has not responded to an adequate therapy with oral iron

The information on this form is collected under the authority of the *Personal Health Information Protection Act, 2001, S. O. 2001, c.3, Sched. A (PHIPA)* and Section 13 of the *Ontario Drug Benefit Act, R. S. O. 1990c.O.10* and will be used in accordance with PHIPA, as set out in the Ministry of Health and Long-Term Care "Statement of Information Practices", which may be accessed at www.health.gov.on.ca If you have any questions about the collection or use of this information, call the Ontario Drug Benefit (ODB) Help Desk at 1800-668-6641 or contact the Director, Exceptional Access program Branch (EAPB), Ministry of Health and Long-Term Care, 3rd floor, 5700 Yonge St., Toronto, Ontario M2M 4K5 \

Prescriber signature (mandatory)	CPSO number	Date
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