

Home Hemodialysis Standing Orders - Iron

Iron Sucrose (Venofer) (ICD10 - D63.1)

1. **Goal:** Iron saturation 30 - 50%; Ferritin 500 - 800 ng/ml.
2. **Labs:** (ICD10 = E83.10)
 - a. Draw iron studies (iron saturation and ferritin) monthly until TSAT \geq 25% then quarterly in January, April, July and October.
 - b. Draw iron studies (iron saturation and ferritin) monthly when EPO dose $>$ 15,000 units/week.
 - c. Iron labs must be drawn at least 7days after last IV iron dose or transfusion.
3. **ESA's:** Do not start ESA's until iron saturation is \geq 25%.
4. **Administration:** Give Venofer IV push over 2 minutes.
5. **Infection/Antibiotics:** HOLD IV iron if patient has signs of significant infection or is on antibiotics.
6. **Dosing:**
 - a. **Test Dose (First Dose Only):**
 - i. Administer Venofer test dose of 0.5 cc (100mg/5cc vial) over 3 minutes for the first dose only to assure no allergic reaction. Wait 3 minutes, and then give the remainder.
 - ii. Observe the patient in the dialysis unit for 30 minutes following the initial dose of IV iron to watch for possible drug reactions.
 - b. Patients transferring from in-center will be converted to Venofer per home dialysis programs iron protocol.
 - c. When possible give 2x/week doses on the first and last day of the week.
 - d. Based on patient's most recent iron studies give Venofer per tables below.
 - e. For high Hgb, refer to EPO S/O.

Patient Name _____ **NKC#** _____

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Home Hemodialysis Standing Orders - Iron

If	And	And		
New to HH Program	Ferritin	Iron Saturation	Timing	Venofer Dose
	< 800	< 25%	1 st week	Give 200 mg IV push x 2 doses. Each dose should be separated by at least 1 clinic day.
			2 nd week	Give 200 mg IV push x 2 doses. Each dose should be separated by at least 1 clinic day. Draw follow up iron studies 7 days after last dose and follow S/O.
			3 rd week	Give 200 mg IV push
		25 - 35%	1 st week	Give 200 mg IV push x 2 doses. Each dose should be separated by at least 1 clinic day.
			2 nd week	Draw follow up iron studies 7 days after last dose and follow S/O.
		36 - 50%	1 st week	Give 200 mg IV push
			2 nd week	Draw follow up iron studies 7 days after last dose and follow S/O.
		> 50%		Hold Venofer Redraw iron studies with next quarterly draw, and resume protocol.

If	And	And		
Maintenance HH Program	Ferritin	Iron Saturation		Venofer Dose
	< 800	< 25%		Give 200 mg IV push every 2 weeks
		25 - 50%		Give 200 mg IV push every month
		> 50%		Hold Venofer Redraw iron studies with next quarterly draw, and resume protocol.

If	And	And		Venofer Dose
All HH Program Patients	Ferritin	Iron Saturation		
	> 800	> 20%		Hold IV Venofer Redraw iron studies with next quarterly draw, and resume protocol.
		≤ 20%		Check with nephrologist

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7. Hemoglobin:

- a. If hemoglobin ≥ 12 , iron saturation $> 30\%$, and ferritin > 800 , hold Venofer.
- b. If hemoglobin ≥ 12 , iron saturation $\leq 30\%$, and ferritin ≤ 800 , contact MD for direction.
- c. If Hemoglobin ≥ 12 , iron saturation $\leq 30\%$, and ferritin > 800 contact MD for directions.

Physician Name (Please Print) RN Name (Please Print)

Physician signature RN signature Date
(see Initial order)

Patient Name _____ **NKC#** _____