Navigating Iron Deficiency Anemia: My IV Iron Treatment Guide

What should I expect when being treated with IV iron?





1. Achebe M, DeLoughery TG. Clinical data for intravenous iron-debunking the hype around hypersensitivity. Transfusion. 2020;80(6):1154-1159. 2 Monoferric (ferric derisomaltose) prescribing information. Pharmacosmos Therapeutics, Inc. January 2020. 3. Injectafer (ferric carboxymaltose) prescribing information. American Regent, Inc. April 2021. 4. Feraheme (ferumoxytol) prescribing information, AMAG Pharmaceuticals, Inc. February 2018, 5. Venofer (iron sucrose) prescribing information. Vifor (International) Inc. October 2020. **6.** Ferrlecit (ferric gluconate) prescribing information. Sanofi-Aventis US, LLC. March 2022. **7.** InFed (iron dextran) prescribing information. Allergan USA. September 2021. 8. Iron Deficiency Anemia. In: Barnard NDN, ed. Nutrition Guide for Clinicians. Physicians Committee for Responsible

Medicine; 2020. https://nutritionguide.pcrm.org/nutritionguide/view/Nutrition_Guide_for_Clinicians/1342090/all/Iron_ Deficiency_Anemia. Accessed July 22, 2022. 9. Kumar A, Sharma E, Marley A, Samaan MA, Brookes MJ. Iron deficiency anaemia: pathophysiology, assessment, practical management. BMJ Open Gostroenterol. 2022;9:e000759. 10. Anemia Iron-Deficiency Anemia. NHLBI, NHL Updated March 24, 2022. www.nhlbi.nih.gov/health/anemia/iron-deficiency-anemia#:--:text=Undiagnosed%20or%20untreated%20iron%2Ddeficiency.their%20treatments%20to%20work%20 poorly. Accessed July 22, 2022. 11. IV Iron Products. Iron Corner. Society for the Advancement of Blood Management, Inc. 2020. https://sabm.org/wp-content/uploads/2biii-IV-Iron-Products.pdf. Accessed July 22, 2022

PHARMACOSMOS T H E R A P E U T I C S



Navigating Iron Deficiency Anemia: My IV Iron Treatment Guide

What is iron deficiency anemia (IDA) and how common is it?^{8,9}

- Low levels of iron in the body (iron deficiency) and low levels of red blood cells (anemia)
- IDA occurs in about 30% of people in the world

What are the causes of IDA?9,10

- Increased iron needs for specific populations, including pregnant women
- Low amounts of iron in the diet
- Decreased ability of the intestine to take in iron caused by certain medications, stomach surgeries, digestive conditions, and infections

Blood loss caused by

certain medications (ie,

- What can I do to increase mv iron intake?^{8,10} Talk to my healthcare provider about
- taking vitamin A and/or C supplements to increase iron absorption
- Consume foods high in iron:
 - Fruits and green Lean meats leafy vegetables and fish
 - Beans and peas Enriched whole grains and

blood thinners, ibuprofen, or high-dose aspirin), medical conditions (ie, kidney problems, heavy menstrual bleeding, or ulcers), or surgery

 Chronic conditions, including intestinal infections, kidney disease, cancer, inflammatory bowel disease, and congestive heart failure

What are the symptoms of IDA?9,10

- Fatigue
- Shortness of breath
- Difficulty breathing
- Dizziness
- Lightheadedness
- Headache Nausea
- Stomach discomfort
- Constipation
- items such as ice, paper, dirt, etc

What tests can determine if I have IDA?^{8,9}

Blood tests	Blood test values that may suggest IDA	
Hemoglobin (Hb)	Men	Women
	Less than 13 g/dL	Less than 12 g/dL
Transferrin saturation (TSAT)	Less than 20%	
Ferritin	Without inflammation	With inflammation*
	Less than 30 µg/L	Less than 100 µg/L
*Certain inflammatory health conditions impact iron stores, increasing ferritin levels. In patients with these		

conditions, ferritin less than 100 µg/L often indicates IDA.

Why am I being prescribed IV iron treatment?^{9,11}

- I have IDA and iron tablets or capsules did not work well enough or caused side effects
- I have IDA with chronic kidney disease

How can IV iron help me?⁹

- Replenish my iron stores when iron tablets or capsules were either not effective or not tolerated
- Improve my IDA symptom of fatigue

PHARMACOSMOS T H E R A P E U T I C S

What IV iron therapies are available to treat IDA?^{1-7,11}

- Ferric derisomaltose Iron sucrose
- Ferric carboxymaltose Ferric aluconate
- Ferumoxytol
 - Low molecular weight iron dextran

Choosing a treatment with my doctor

What do you consider the best treatment for my IDA and why?

My IDA Treatment Action Plan

- The IV iron treatment my doctor and I have decided is best for me is:
 - Ferric derisomaltose (Monoferric)
 - Iron sucrose (Venofer) • Ferric gluconate (Ferrlecit)
 - Ferric carboxymaltose (Injectafer) • Ferumoxytol (Feraheme)
- Low molecular weight iron dextran (Infed)
- Does this treatment require a test dose?
- How long will the infusion take?
- How often will I have to come for an infusion?
- What are the side effects of this treatment?
- How often will I need to have blood work/lab tests done and when can I expect to see improved values?
- When should I see improvements in my symptoms?
- How much will this treatment cost?
- What financial resources are available?
- What patient/caregiver support is available?

My Care Team:

Contact Information for My Care Team (e-mail; phone number; portal):

Contributing Advisors

Ginna L. Granroth, PA-C, MS, ACLS **Physician Assistant Clinical Coordinator** Mayo Clinic Phoenix, AZ

Nicole Messier, RN, BSN, OCN, ONN-CG Upper Gastrointestinal Clinical Program Coordinator/Nurse Navigator University of Vermont Medical Center Burlington, VT



• Tofu cereals

• Weight loss



- Pale appearance
- Restless legs

Fast heart rate

• Chest pain

Cravings to chew non-food



Navigating Iron Deficiency Anemia: My IV Iron Treatment Guide

A Resource for Your Patients with IDA

The Navigating Iron Deficiency Anemia: My IV Iron Treatment Guide patient resource aims to empower patients and/or caregivers to actively engage in the discussion of iron deficiency anemia (IDA) and the intravenous (IV) iron treatment decision-making process. Ensuring patients are educated on IDA and actively involved in the decision-making process allows for rapport-building and receptivity to IV iron treatment. These factors impact patient experience, health literacy, and safety, in addition to treatment compliance. Arming patients with knowledge and treatment discussion topics further promotes shared decision-making.

How to Use This Resource

This patient engagement tool is intended to be used by:

- Navigators, nurses, and other members of the healthcare team as a discussion starter with patients to educate on IV iron therapy, and
- 2) Patients with IDA as a reference guide throughout their IV iron treatment journey.

<section-header><section-header><section-header><complex-block><section-header><complex-block>

The **front page** is to be utilized by care staff to facilitate the expectations of iron infusion therapy—prior to, during, and following treatment. The **back page** provides patient education on IDA and suggested questions for patients and/or caregivers to ask regarding their specific IV iron treatment at the time of treatment selection with their healthcare provider.

Your Partner in Patient Education

Navigators, nurses, and healthcare team members support patients on IV iron therapy by offering key assistance along the way. This assistance may be provided through patient education, advocacy, coordination of care, and emotional support for the patients and caregivers throughout their IDA journey. Although every IDA treatment journey is unique, all patients will benefit from the holistic support and resources provided by care teams, including the **Navigating Iron Deficiency Anemia: My IV Iron Treatment Guide** resource.



Ginna L. Granroth, PA-C, MS, ACLS Physician Assistant Clinical Coordinator Mayo Clinic, Phoenix, AZ

Contributing Advisors



Nicole Messier, RN, BSN, OCN, ONN-CG Upper Gastrointestinal Clinical Program Coordinator/Nurse Navigator University of Vermont Medical Center, Burlington, VT