

IBD en Anemie

Laboratory measures	IDA	ACD	IDA and ACD
Serum ferritin	↓	↑	↑ or normal
Serum iron	↓	↓	↓
Transferrin	↑	↓ or normal	↓
Transferrin saturation	↓	↓	↓
Mean corpuscular volume	↓	↓ or normal	↓ or normal
Hemoglobin	↓	↓	↓
sTfR	↑	↓ or normal	↑ or normal
sTfR-F index	High (>2)	Low (<1)	High (>2)
CHr (pg)	<29	<29	<29
Percentage of hypochromic red blood cells	>5	>5	NA
Zinc protoporphyrin (μmol/mol heme)	>40	>40	>40
Cytokine levels	Normal	↑	↑
C-reactive protein	Normal	↑	↑
Hepcidin	↓	↑	↑ or ↓

Abbreviations: ACD, anemia of chronic disease; CHr, reticulocyte hemoglobin content; IDA, iron deficiency anemia; NA, not available; sTfR, serum transferrin receptor; sTfR-F, serum transferrin receptor:log ferritin.

Berekening ijzerdeficit: Ganzoni formule:

Total iron deficit (mg): BW (kg) x (Target Hb – actual Hb) (g/l) x 0,24 + storage iron (mg)

Gemiddelde storage iron: 500mg

Vb.: man van 70 kg, met Hb van 9 g/dl

Deficit = 70 x 40 x 0,24 + 500 = 1200 mg

Cave: vaak onderschatting bij IBD

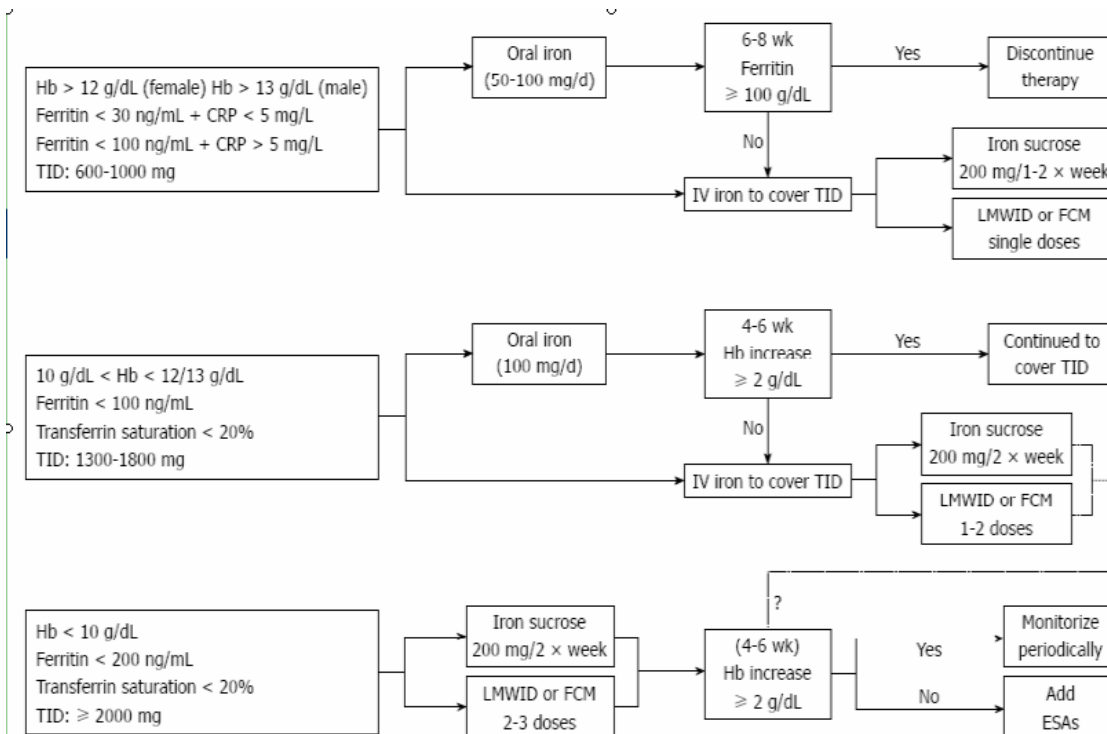


Figure 1 A tentative algorithm for iron replacement therapy in patients with inflammatory bowel disease. Hb: Hemoglobin; TID: Total iron deficit; CRP: C-reactive protein; LMWID: Low molecular weight iron dextran; FCM: Ferric carboxymaltose; ESA: Erythropoiesis stimulating agent.