

## An Example of a Laboratory Testing Algorithm for Anemia

Irwin Gross, M.D. Last Update: January 2019

NOTE: If Hemoglobin is **greater than or equal to 13 gm/dL**, no further evaluation is required. However, if the ferritin level is known to be less than 100 ng/dL or the transferrin saturation is known to be less than 20% with a ferritin less than 300 ng/dL, then consider iron therapy.

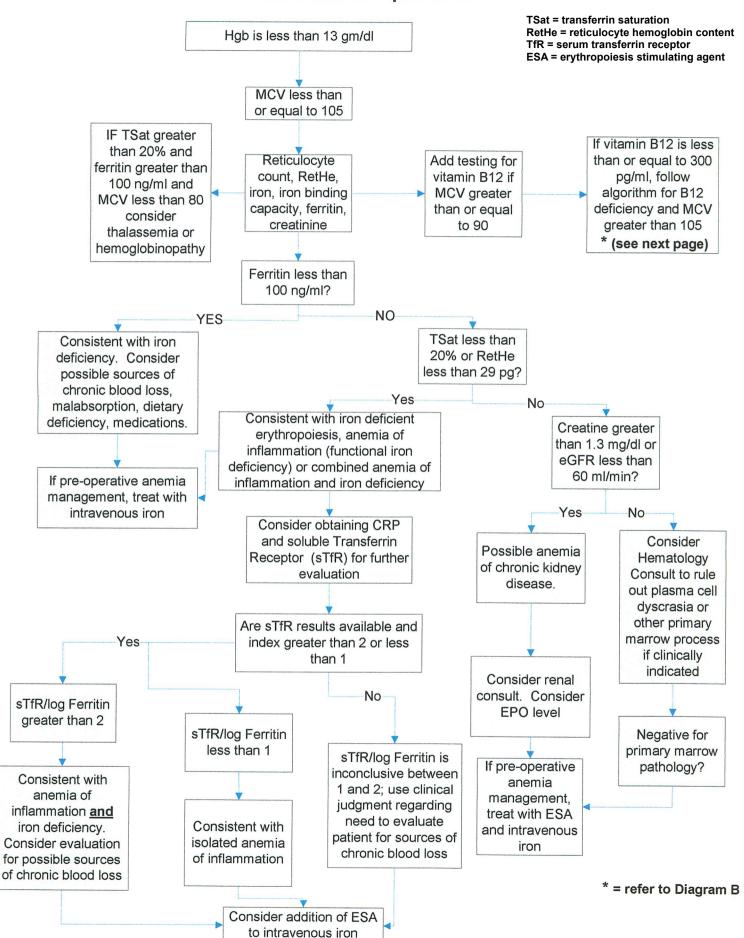
NOTE: If Hemoglobin is **less than 13 gm/dL**, the patient should be evaluated according to this testing algorithm. Additional laboratory studies may be ordered by the patient blood management provider. There may be a recommendation to postpone surgery with a referral back to the primary care provider or hematologist for further evaluation.

To enter the testing algorithm for anemia:

If Hgb is less than 13 gm/dL AND MCV is less than or equal to 105 fl: see Flow Diagram A.

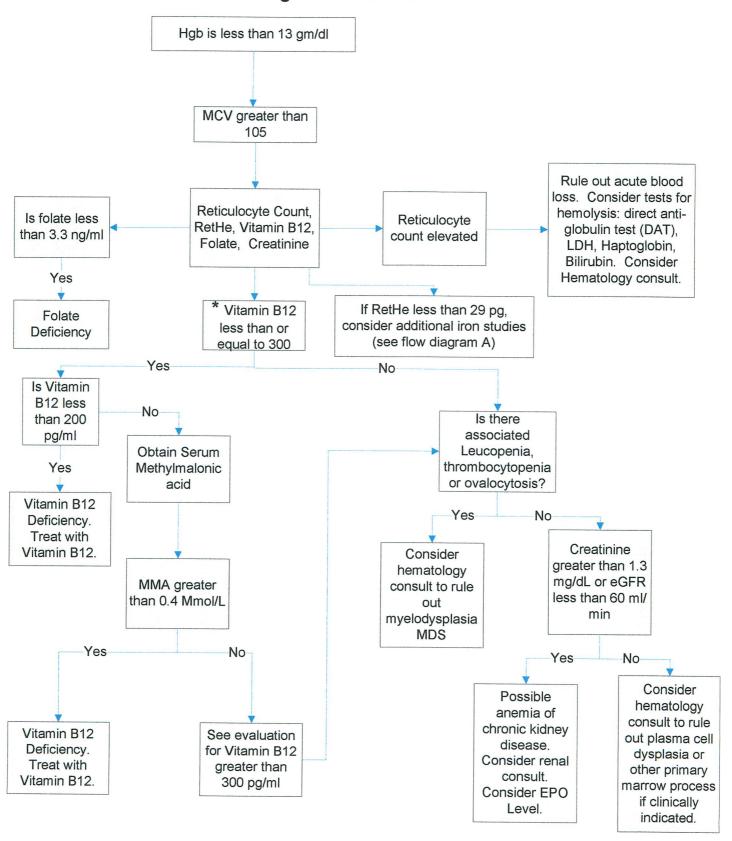
If Hgb is less than 13 gm/dL AND MCV is greater than 105 fl: see Flow Diagram B.

## Flow Diagram A MCV Less than or equal to 105



<sup>&</sup>quot;This algorithm is intended to provide general information to healthcare professionals and other interested persons. Professionals seeking additional information, and individuals seeking personal medical advice should obtain it from a qualified physician."

## Flow Diagram B MCV greater than 105



<sup>\*</sup> begin here if patient with MCV less than 105 have vitamin B12 less than or equal to 300 pg/ml

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