

An Example of a Laboratory Testing Algorithm for Anemia

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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.**