

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 250 ng/dl, then consider iron therapy.

NOTE: *If Hemoglobin is less than 10 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.

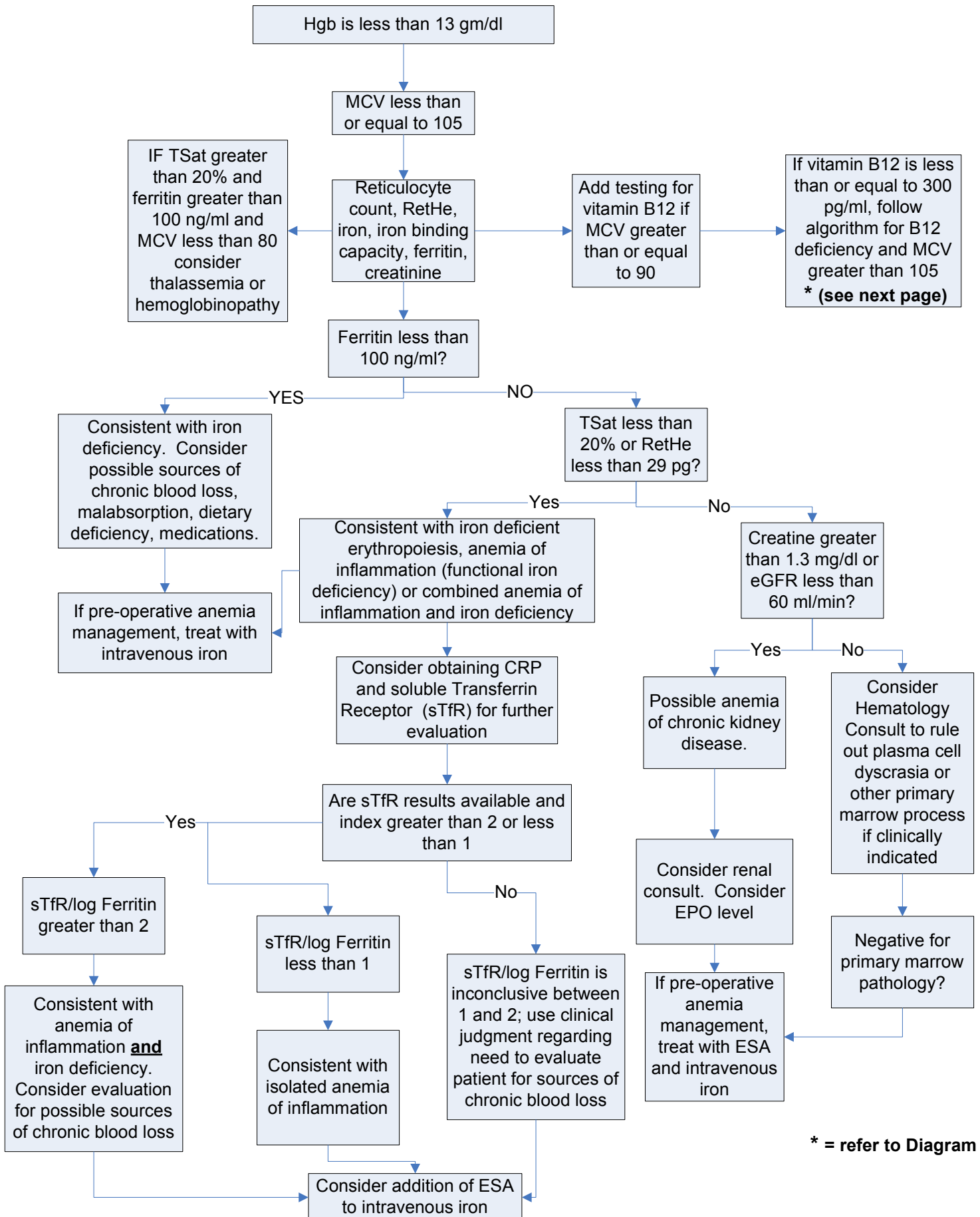
To enter the testing algorithm for anemia

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.

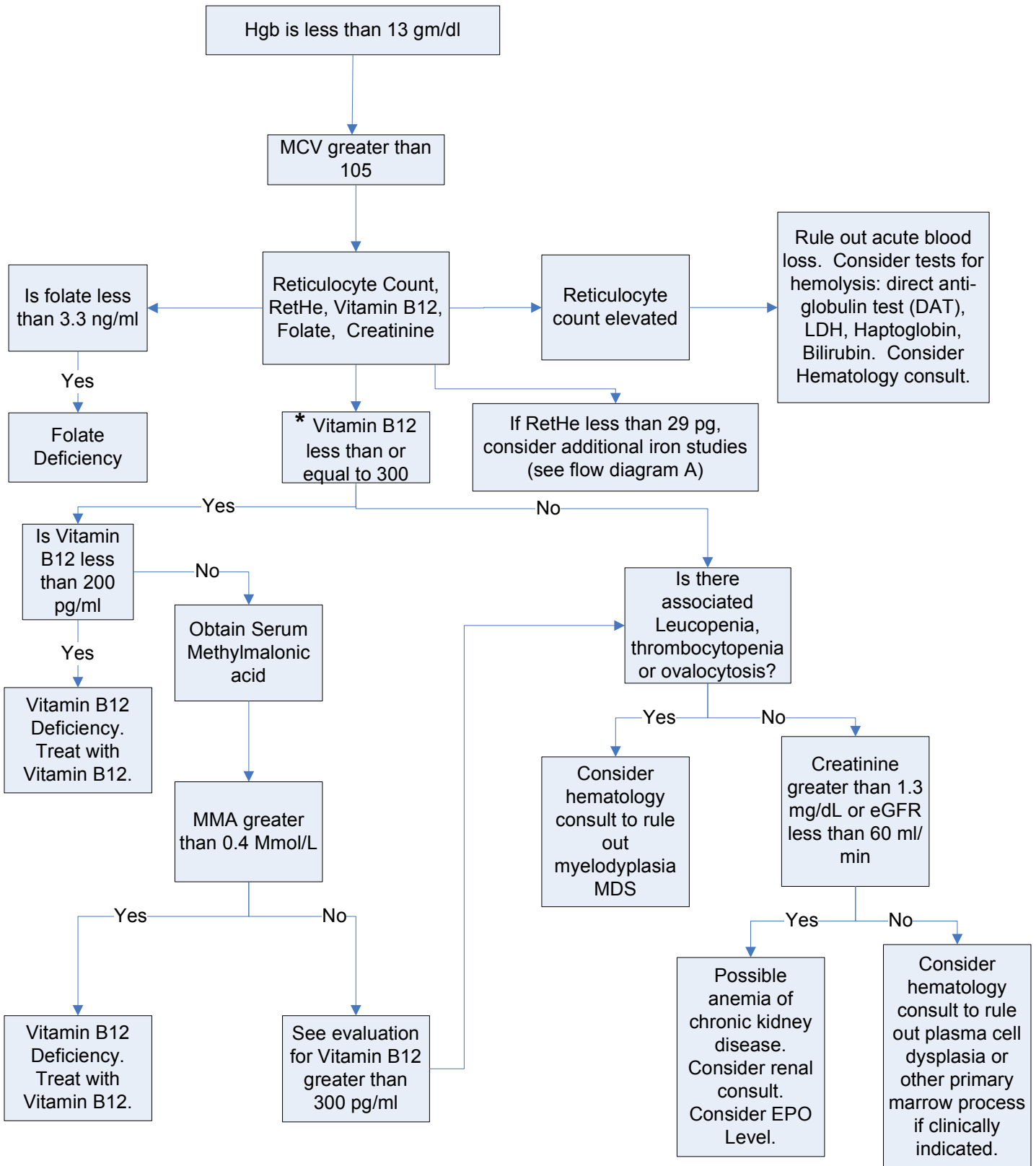
Flow Diagram A

MCV Less than or equal to 105



* = refer to Diagram B

Flow Diagram B MCV greater than 105



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