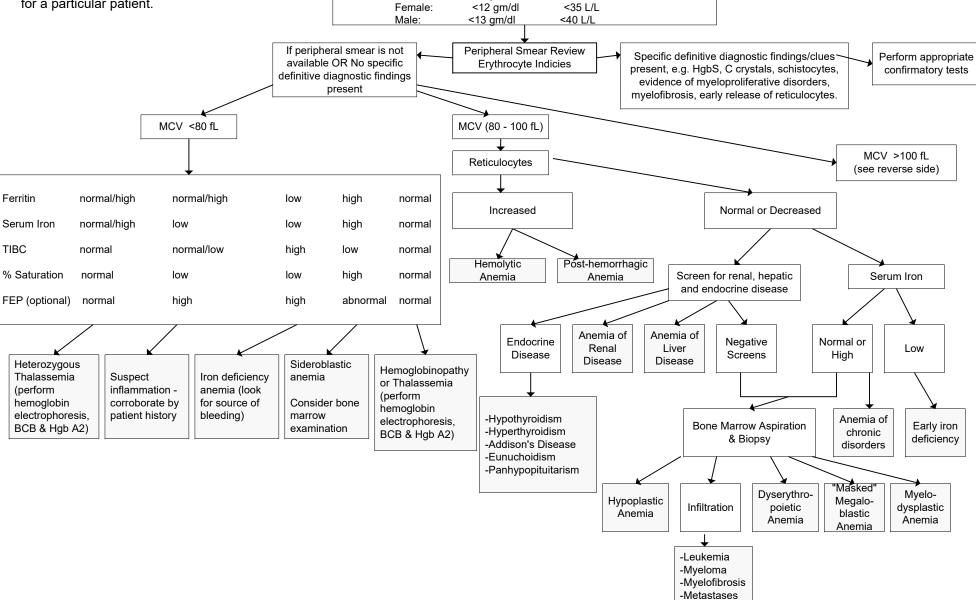
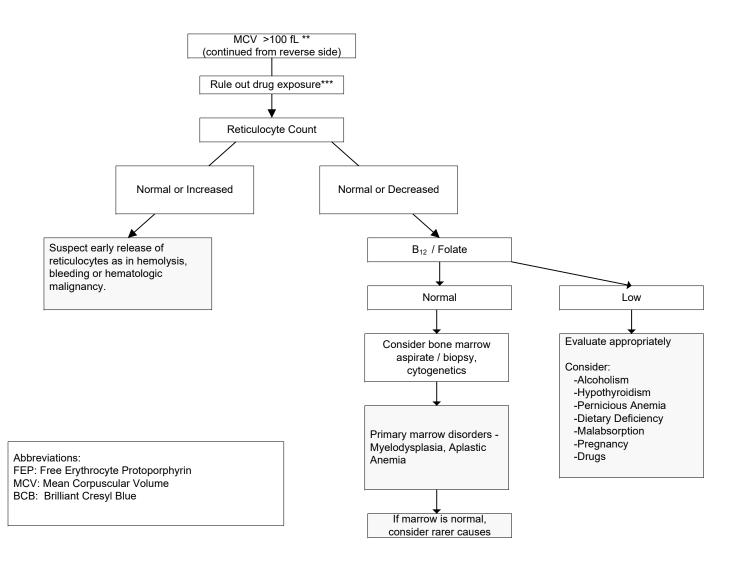
Laboratory Evaluation of Anemia in Adults FOR EDUCATIONAL PURPOSES ONLY Washington State Clinical Laboratory Advisory Council Establish that anemia is present after correlation with history and physical The individual clinician is in the best position to determine which tests are most appropriate Hemoglobin Hematocrit for a particular patient. <12 gm/dl <35 L/L Female: Male: <13 gm/dl <40 L/L If peripheral smear is not Peripheral Smear Review available OR No specific **Erythrocyte Indicies** definitive diagnostic findings present





**Artifactual macrocytosis , determined by automated counters, may be caused by cold agglutinins, hyperglycemia, marked leukocytosis, RBC clumping, intracellular hypersensitivity.

***Some drugs that may cause macrocytosis: alcohol, chemotherapy drugs, zidovudine, anticonvulsants, oral contraceptives, triamterene, sulfasalazine, sulfamethoxazole, trimethoprim, colchicine, PASA, neomycin, nitrous oxide

References:

1. Beuerlein, Frank. Testing Strategies for Anemias. Laboratory Mangement. December 1988. 2. Lee, G. Richard, Bithell, Thomas C., Foerster, John, Athens, John, Lukens, John. Wintrobe's Clinical Hematology, Edition 10, 1999.

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