

ADULT HAEMATOLOGY GP Pathway Guides

DRAFT V.3 16th April 2020

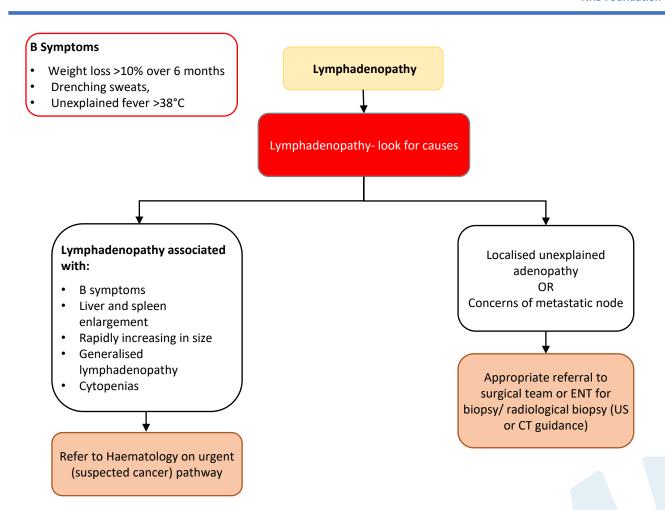


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Lymphadenopathy





Causes:

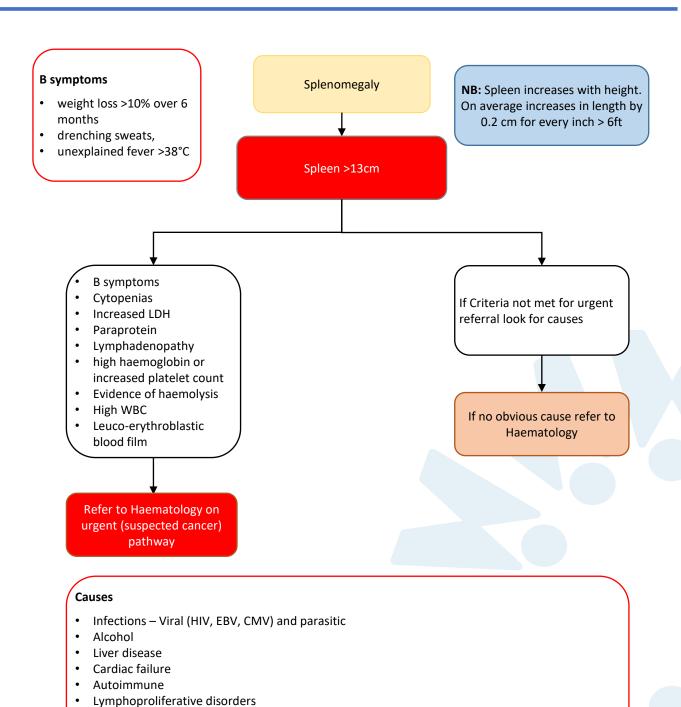
- Acute and chronic bacterial infections
- Syphilis
- Auto immune conditions
- Malignancy (haematological/ metastatic)
- Viral infections (including HIV, EBV, CMV)

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Splenomegaly





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Haemolysis

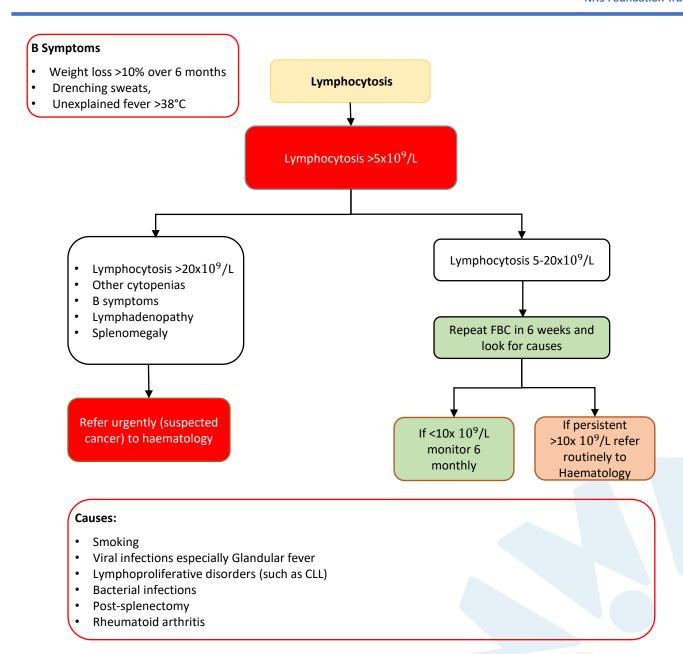
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Myeloproliferative disorders (such as CML or myeloproliferative disorders)

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Lymphocytosis



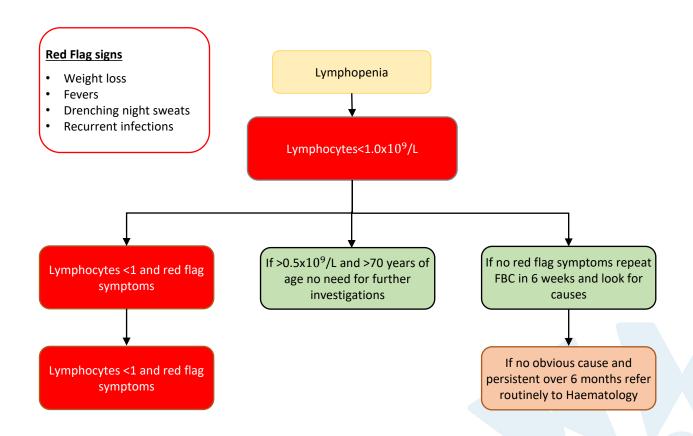


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Lymphopenia





Causes:

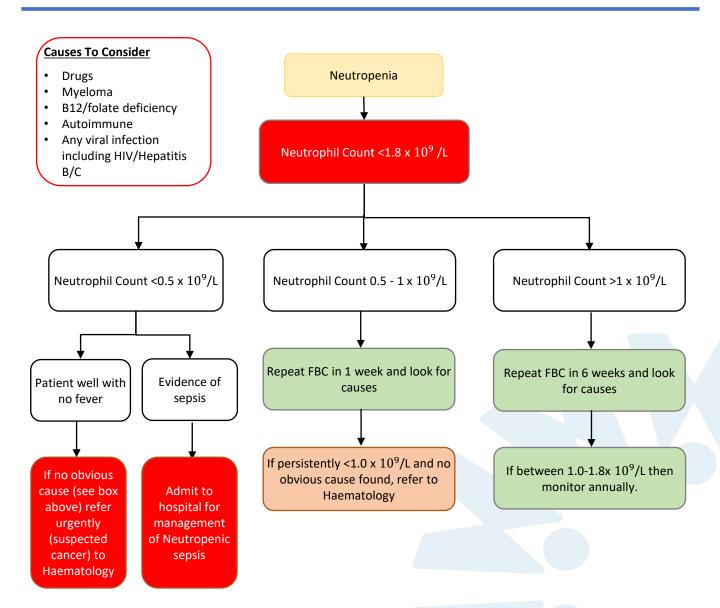
- Elderly patients
- · Infections including HIV, hepatitis B and C
- Excess alcohol
- Malnutrition
- Medications-steroids, chemotherapy
- Systemic immune conditions
- Systemic illness(renal, cardiac, liver failure, malignancy)
- Lymphoma

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Neutropenia





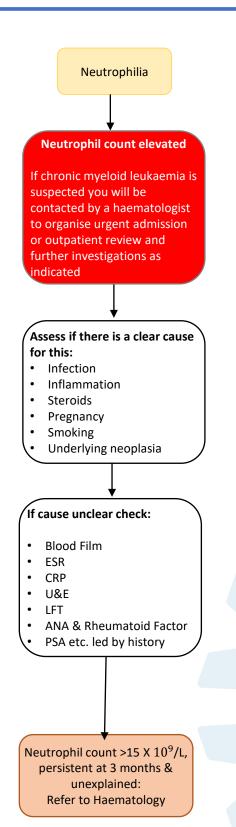
Note:

- A neutrophil count of between 1-5 2.0×10^9 /l whilst below the normal range is unlikely to be of any clinical significance.
- People of Afro-Caribbean or Middle Eastern ethnicity have a lower normal range for the neutrophil count (constitutional or ethnic neutropenia) $1 1.8 \times 10^9$ /l. This is of no clinical consequence. Only refer if their neutrophils are $<1.0 \times 10^9$ /l on repeat testing.

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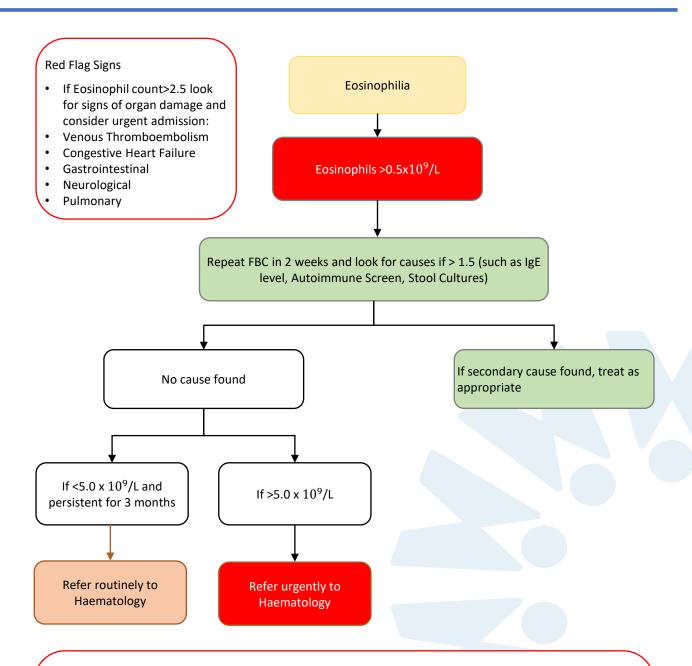




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Eosinophilia





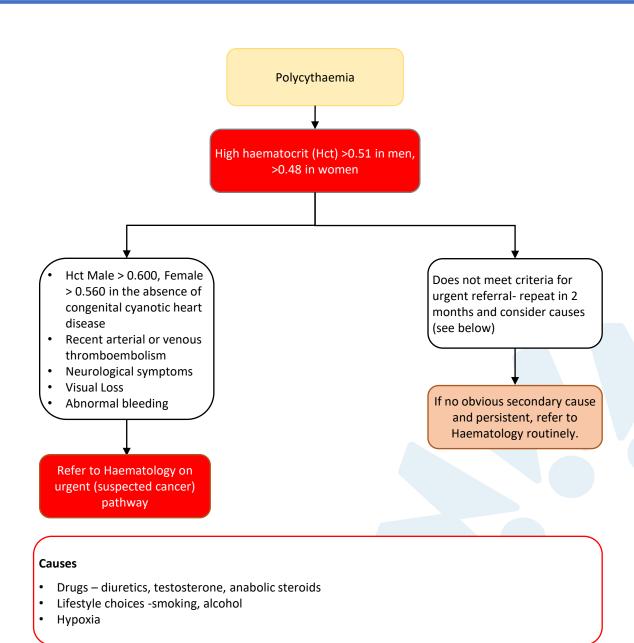
Causes

- Asthma / atopic dermatitis / acute urticarial
- Infections: especially those due to parasites (most commonly helminthes hookworm, schistosomiasis but also giardiasis or other protozoal infections and strongyloides)
- Drugs (penicillins, carbamazepine, sulphonamides are common but any drug is a possible cause)
- Connective tissue disease (rheumatoid arthritis, polyarteritis nodosa, Wegener's granulomatosis)
- Solid malignancy (breast, renal and lung cancer)
- Respiratory disease (Churg-Strauss syndrome, bronchiectasis, cystic fibrosis)
- Myeloproliferative disorders

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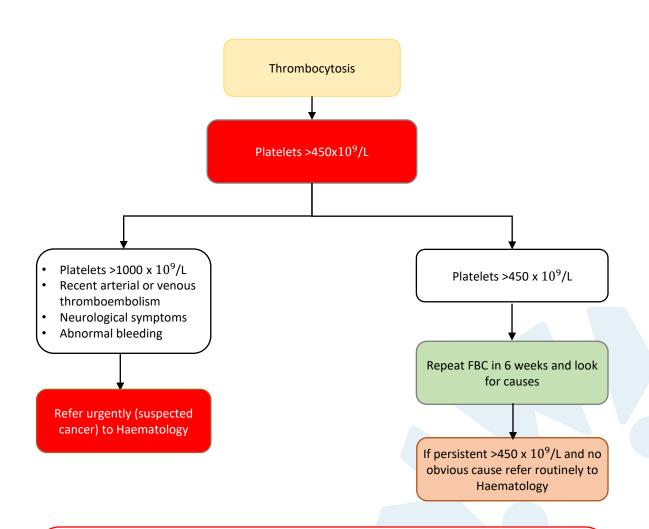
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Causes

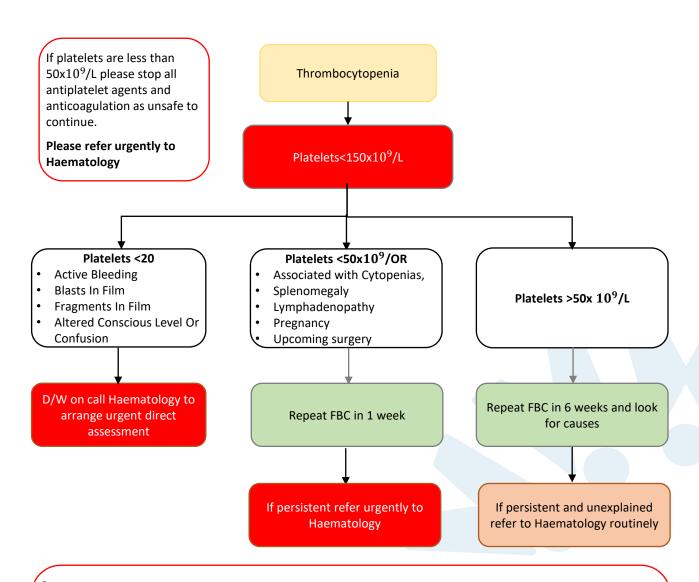
- Iron Deficiency Anaemia
- Inflammation
- Infection
- Post-Splenectony and Hyposplenism (e.g. Coeliac Disease)
- Myeloproliferative Disorders
- Post-Operatively

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Thrombocytopenia





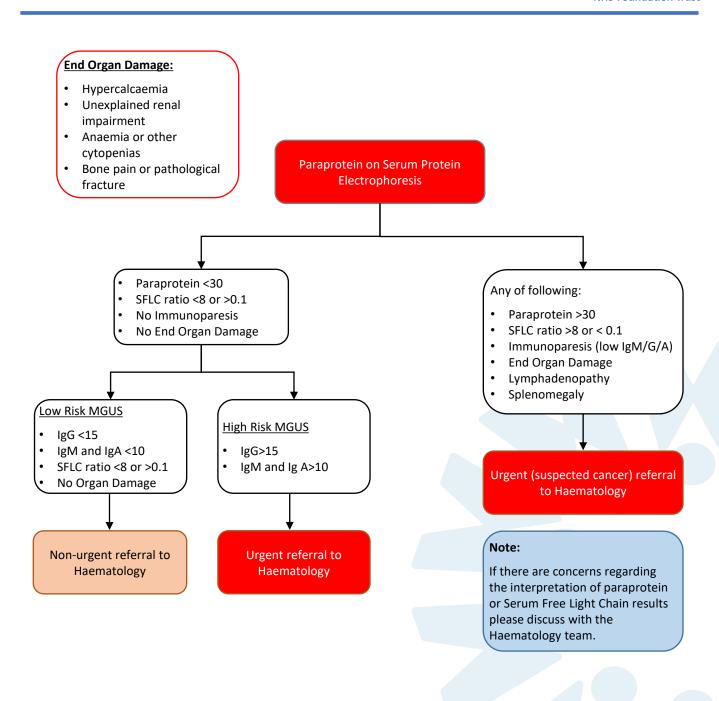
Causes

- Spurious result from clumping please look at blood film report and repeat using citrated sample
- Immune thrombocytopenic purpura (ITP)
- Alcohol
- Liver dysfunction
- Medications
- B12/folate deficiency
- HIV/Hepatitis B/C
- Bone marrow failure/infiltration

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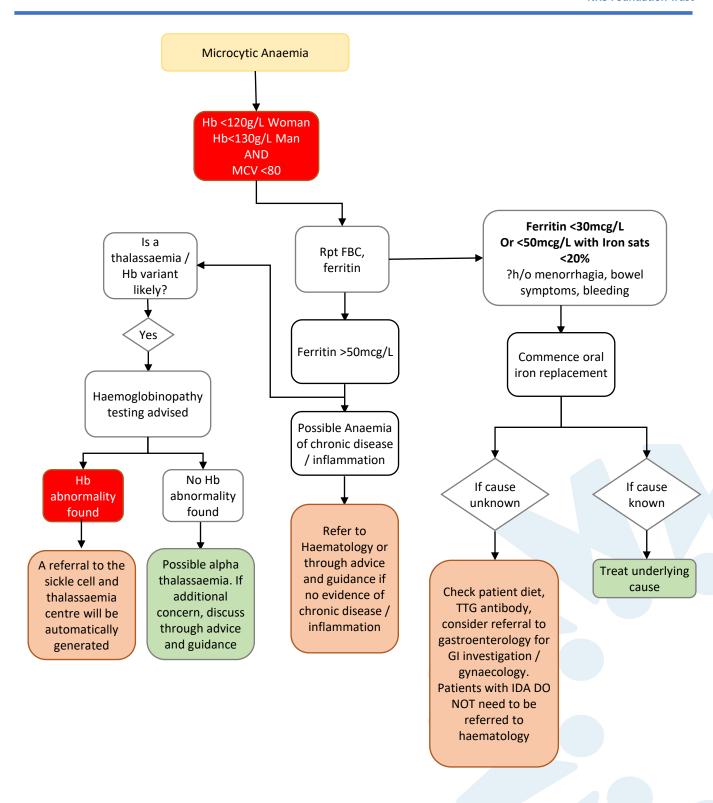
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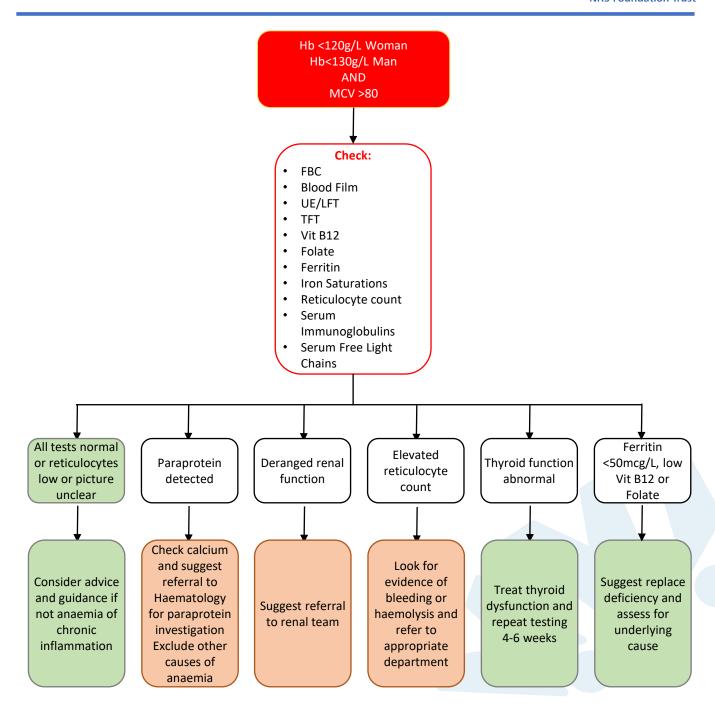




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Normocytic or Macrocytic Anaemia



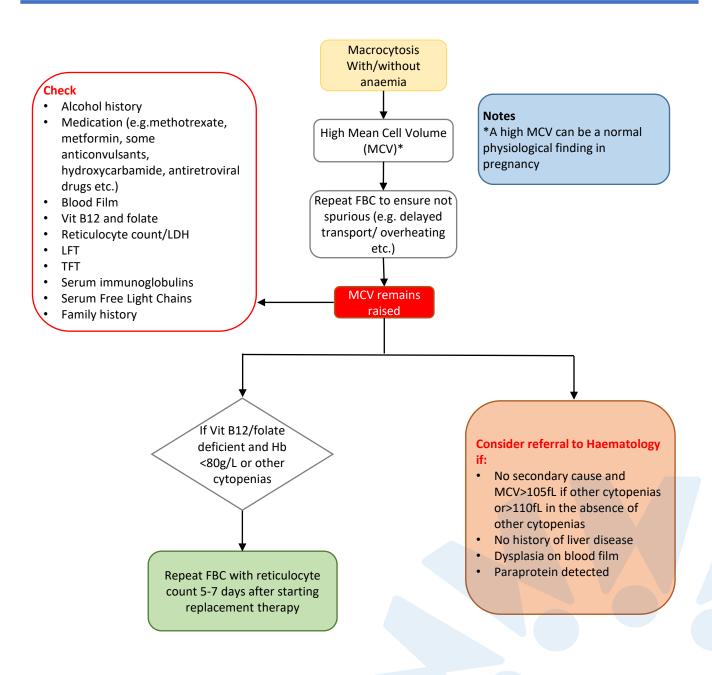


Note: Markers of haemolysis include a raised reticulocyte count and high bilirubin and LDH.

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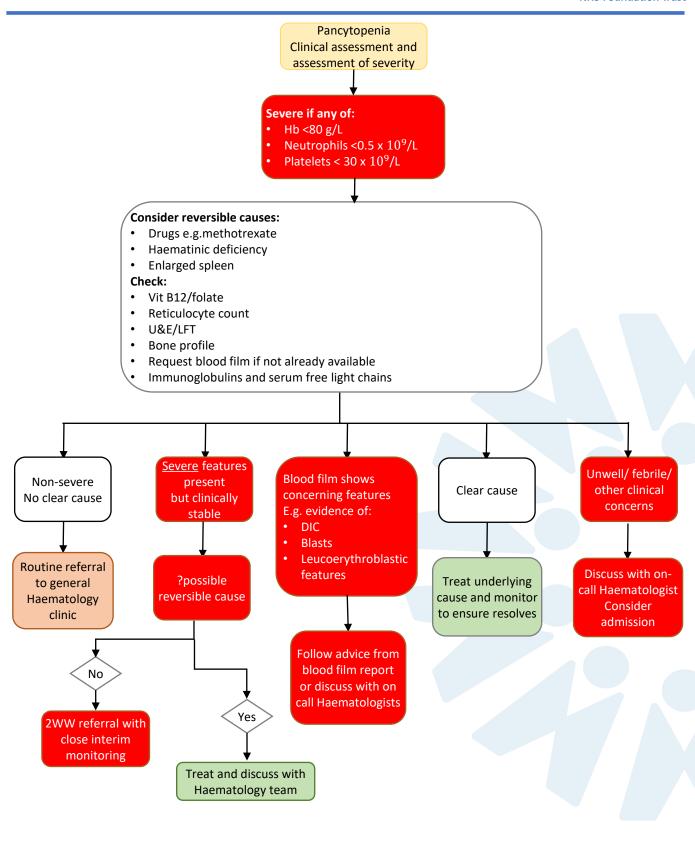
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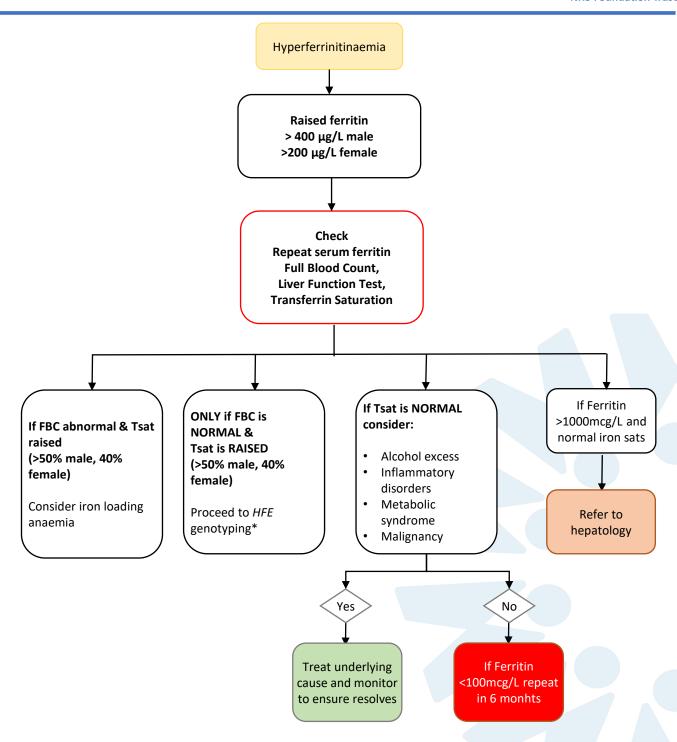
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*Note: it is recommended to screen ADULT first degree relatives (siblings) of known C282Y HOMOZYGOTES ONLY for genetic haemochromatosis due to their increased risk for C282Y homozygosity. Screening should be performed by iron studies and ferritin, with genetic testing reserved for those with abnormal results. HFE testing can be performed in primary care and does not require referral to haematology or clinical genetics (see text).

HFE testing in children is inappropriate as this is an adult onset condition

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