

# HAEMATOLOGY GP Pathway Guides

V.4 11 February 2021



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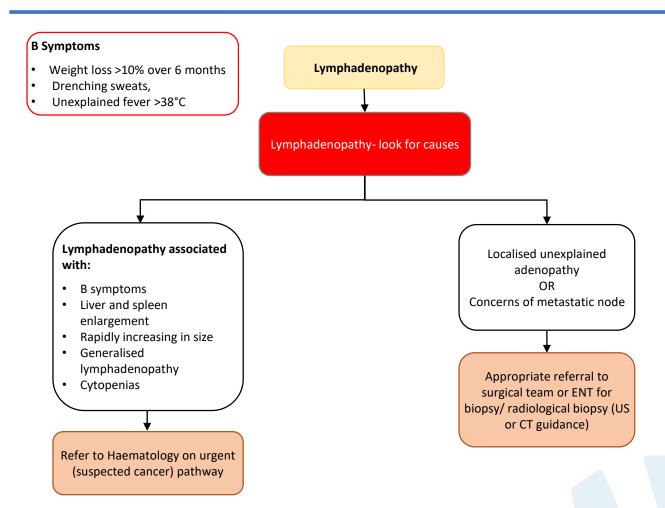
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Please note there is also a Manchester Anaemia Guide-Please click the link below to see the Manchester Anaemia Guide in full

https://mft.nhs.uk/app/uploads/2018/09/anaemia-v3.pdf

# Lymphadenopathy





### Causes:

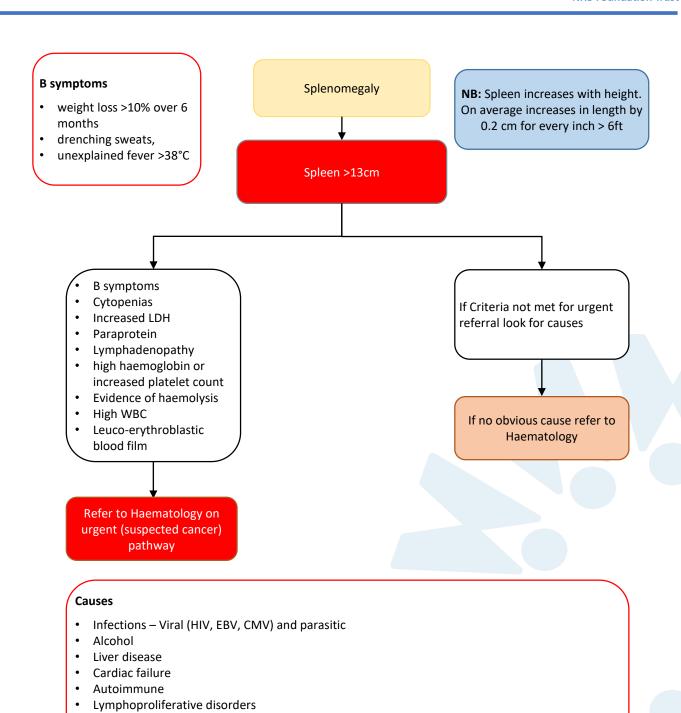
- Acute and chronic bacterial infections
- Syphilis
- · Auto immune conditions
- Malignancy (haematological/ metastatic)
- Viral infections (including HIV, EBV, CMV)

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# **Splenomegaly**





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Haemolysis

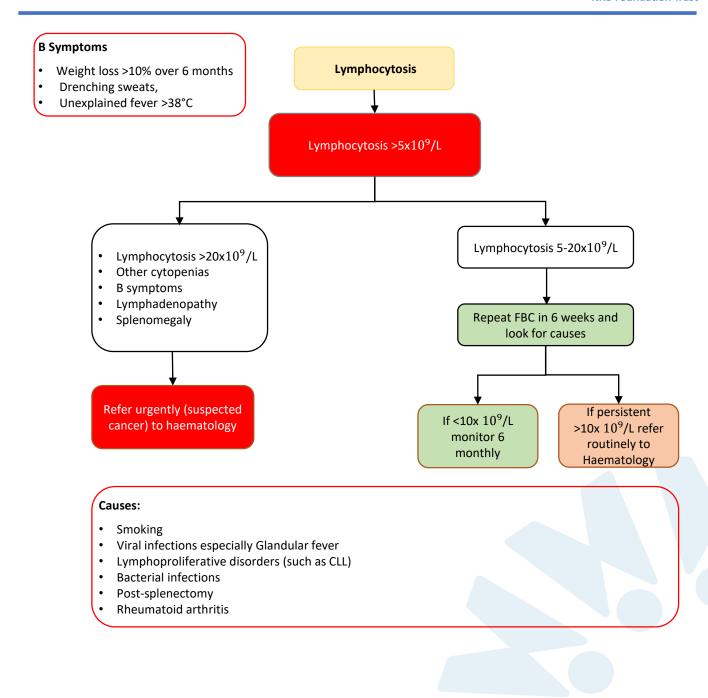
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Myeloproliferative disorders (such as CML or myeloproliferative disorders)

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# Lymphocytosis



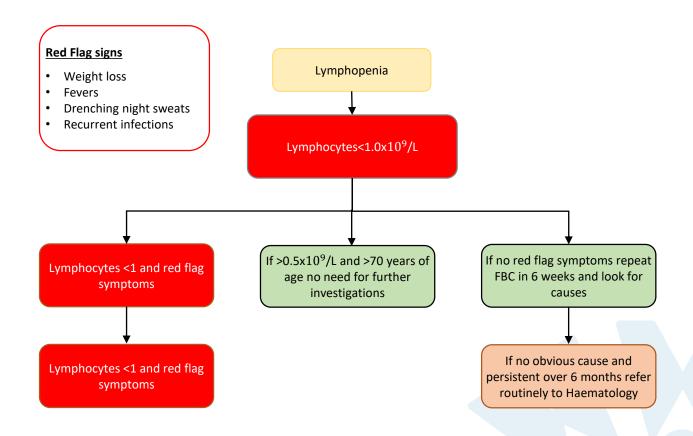


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# Lymphopenia





### Causes:

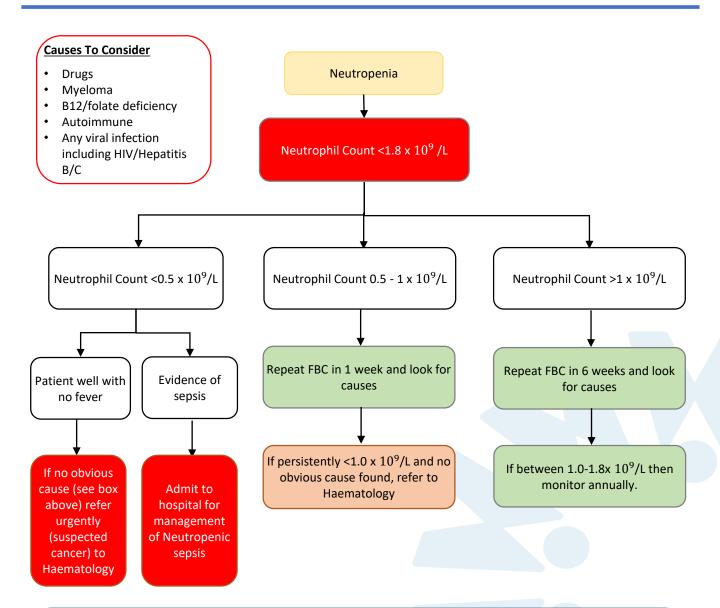
- Elderly patients
- Infections including HIV, hepatitis B and C
- Excess alcohol
- Malnutrition
- · Medications-steroids, chemotherapy
- Systemic immune conditions
- Systemic illness(renal, cardiac, liver failure, malignancy)
- Lymphoma

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## Neutropenia





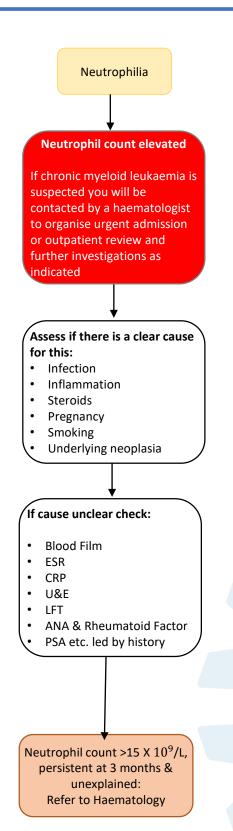
### Note:

- A neutrophil count of between 1-5  $2.0 \times 10^9$ /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 x  $10^9$ /l on repeat testing.

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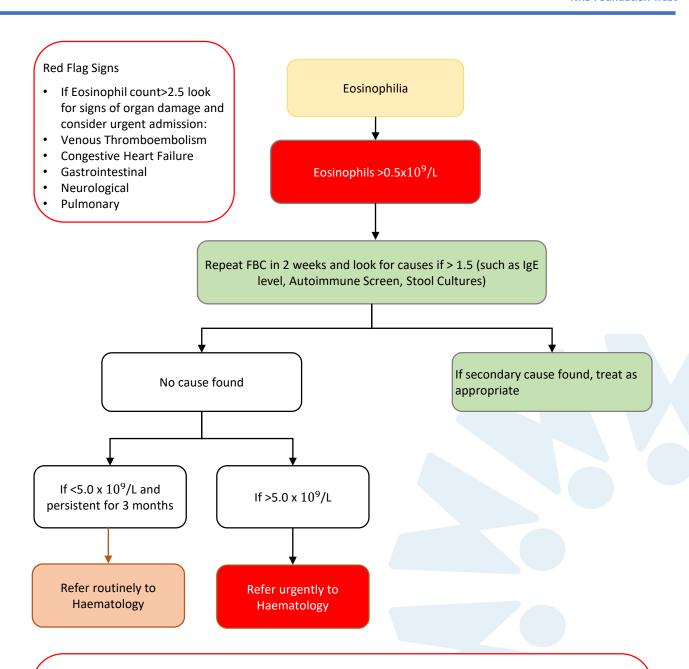




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# **Eosinophilia**





### Causes

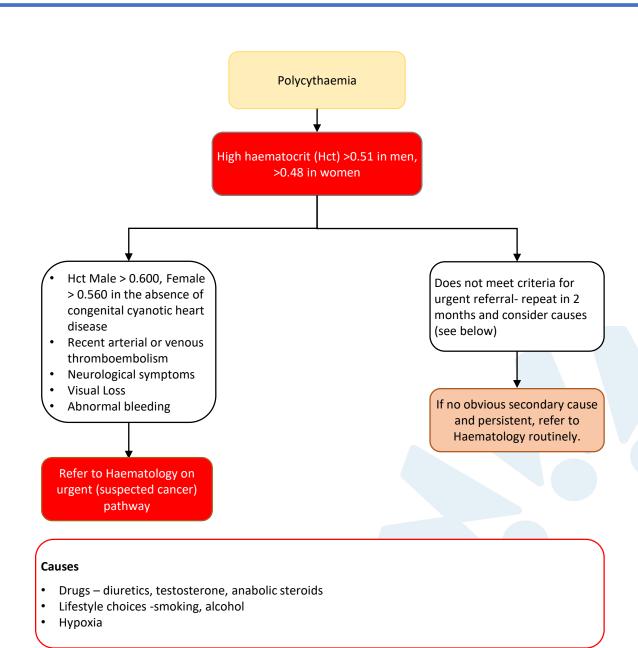
- · Asthma / atopic dermatitis / acute urticarial
- Infections: especially those due to parasites (most commonly helminthes hookworm, schistosomiasis but also giardiasis or other protozoal infections and strongyloides)
- · Drugs (penicillins, carbamazepine, sulphonamides are common but any drug is a 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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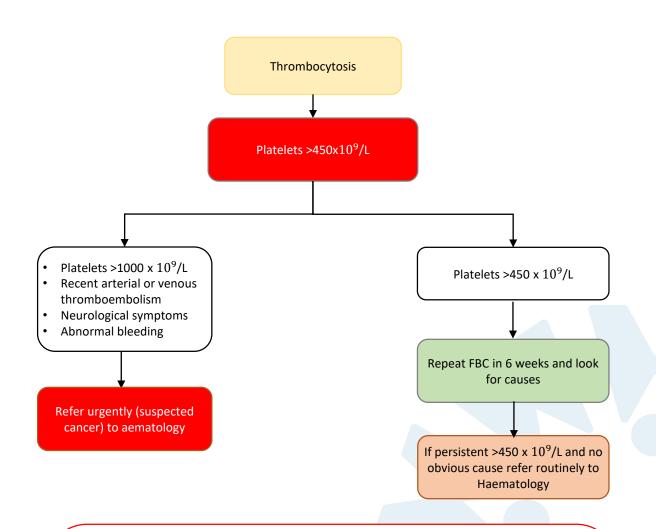
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### Causes

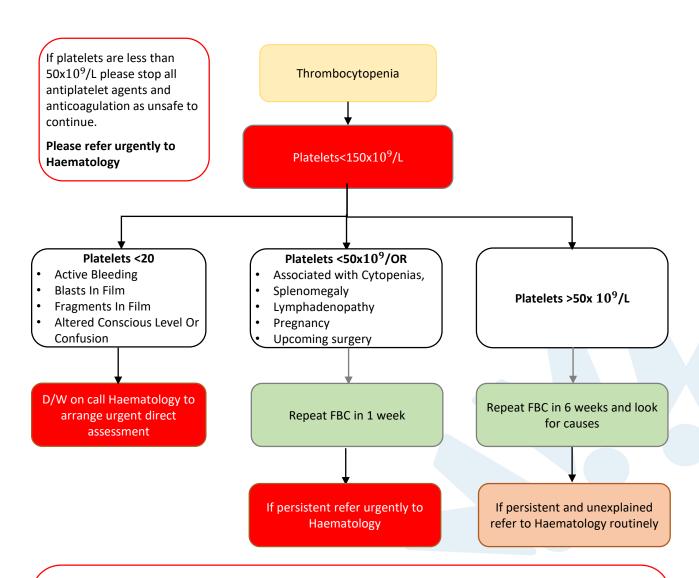
- · Iron Deficiency Anaemia
- Malignancies especially the LEGO cancers (lung, endometrium, gastric and oesophageal)
- Inflammation
- Infection
- Post-Splenectony and Hyposplenism (e.g. Coeliac Disease)
- Myeloproliferative Disorders
- Post-Operatively

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# **Thrombocytopenia**





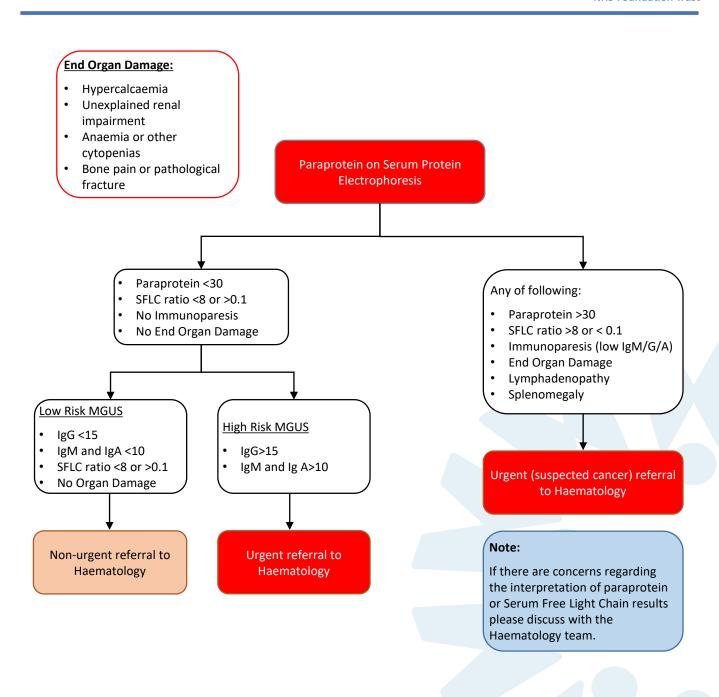
### Causes

- 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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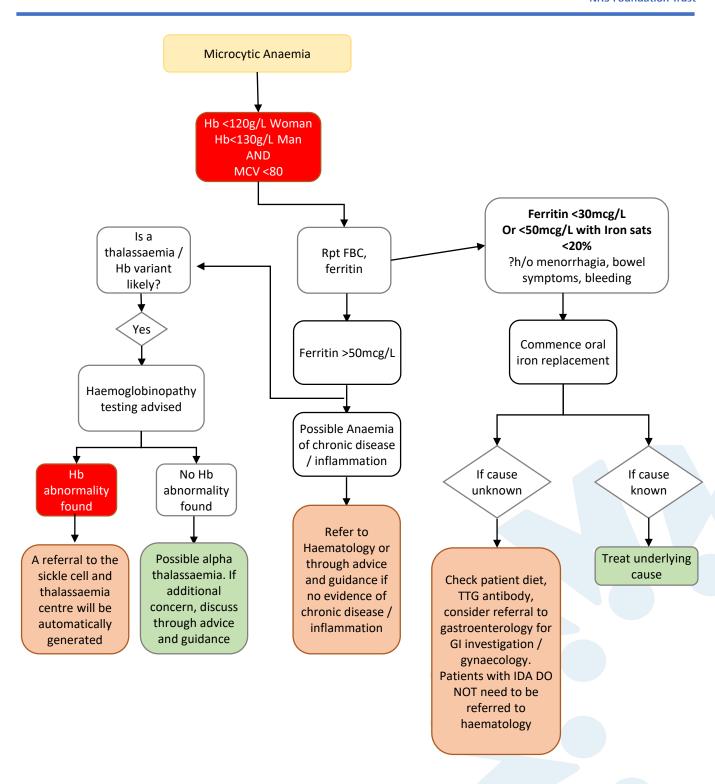
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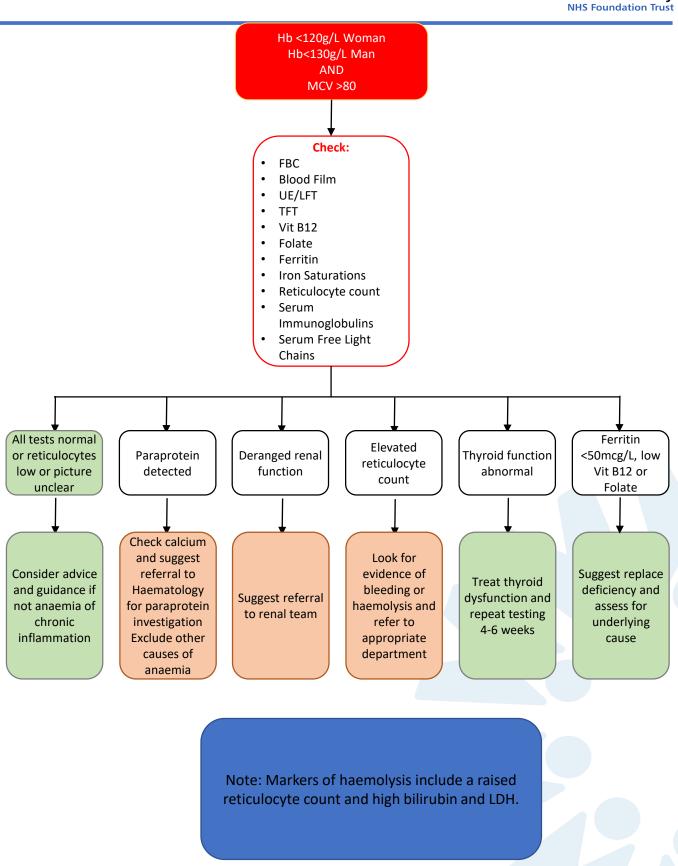




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# **Normocytic or Macrocytic Anaemia**

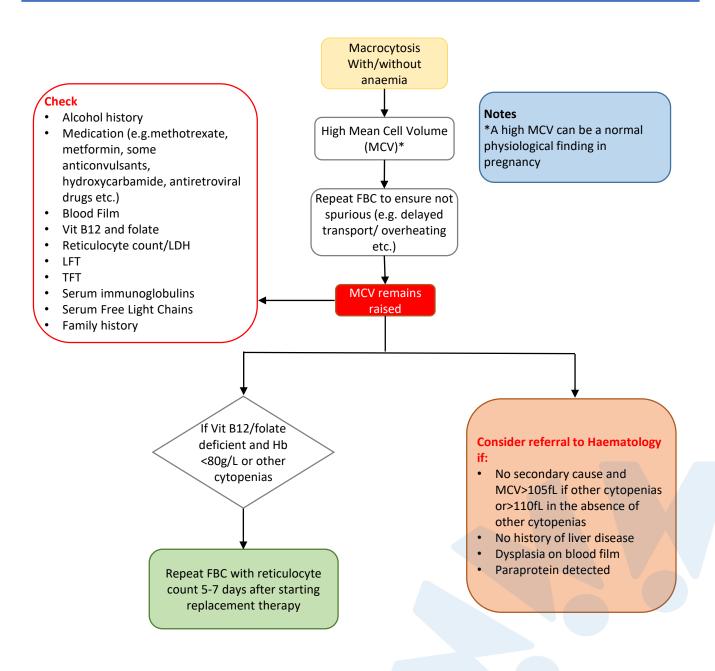




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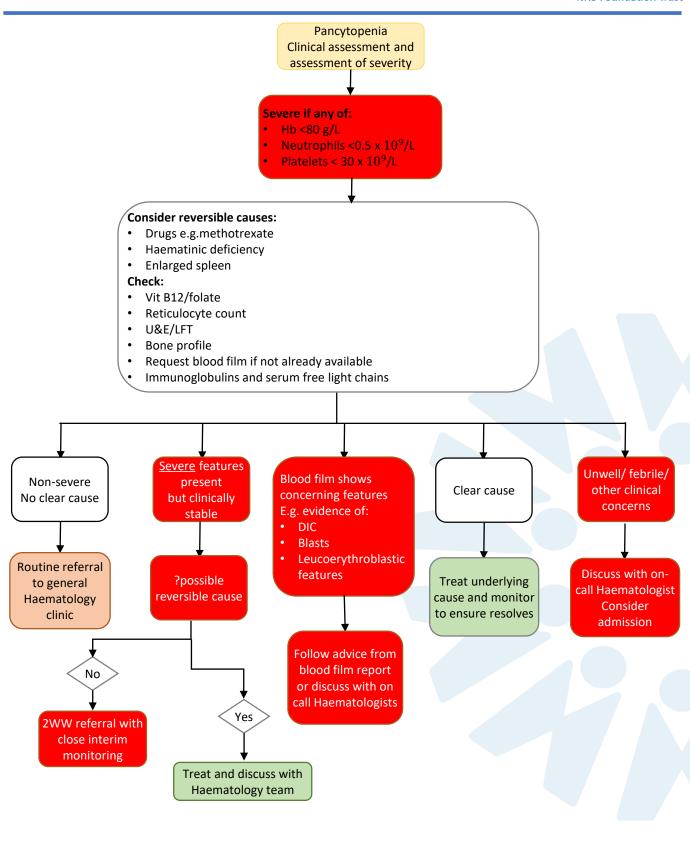
More information on treating B12/folate can be found In the Manchester Anaemia Guide:

https://mft.nhs.uk/app/uploads/2018/09/anaemia-v3.pdf

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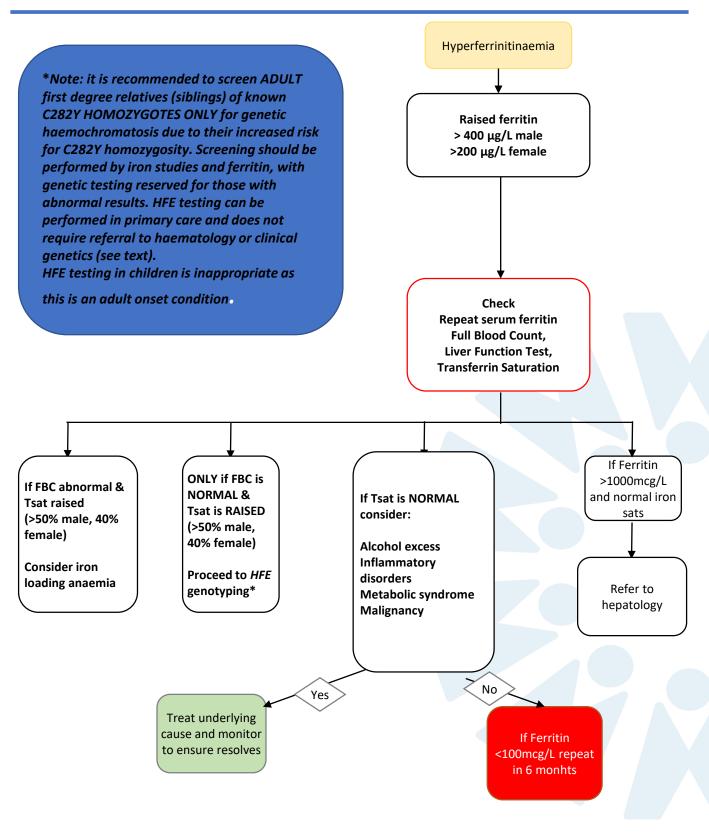




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# Hyperferritinaemia





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