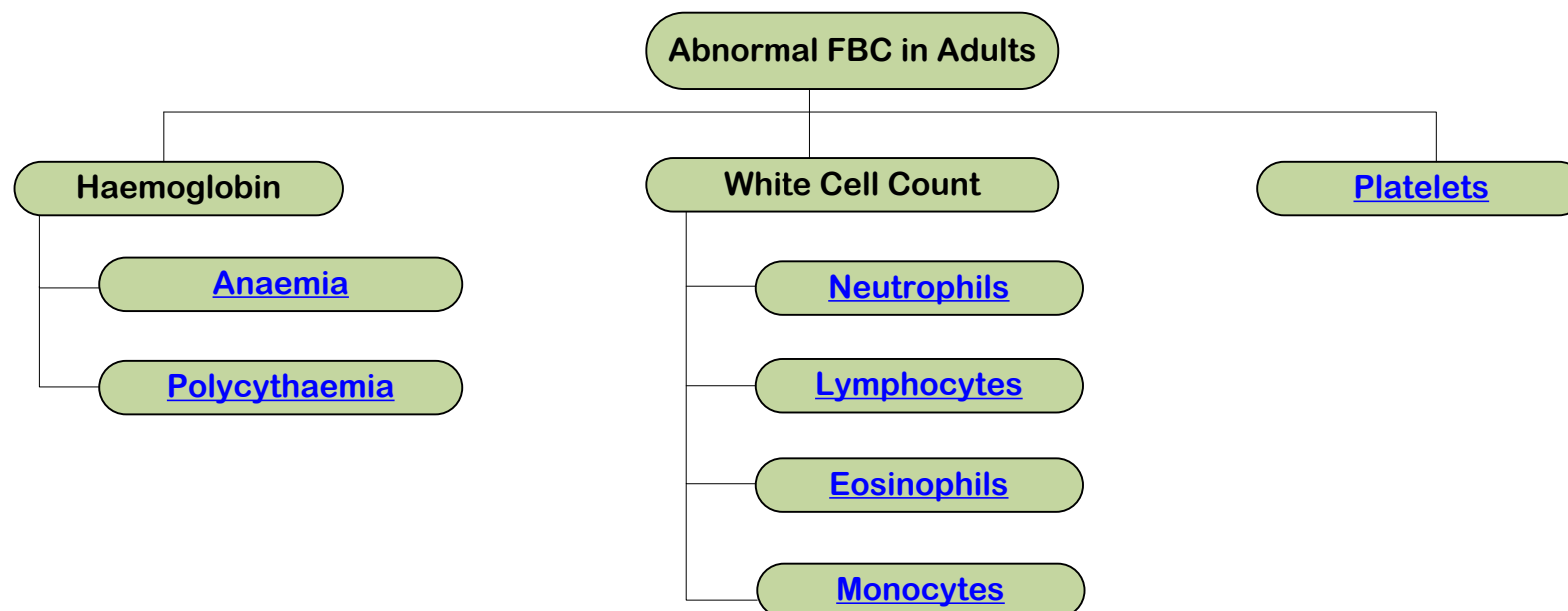


Abnormal FBC Results Guidance

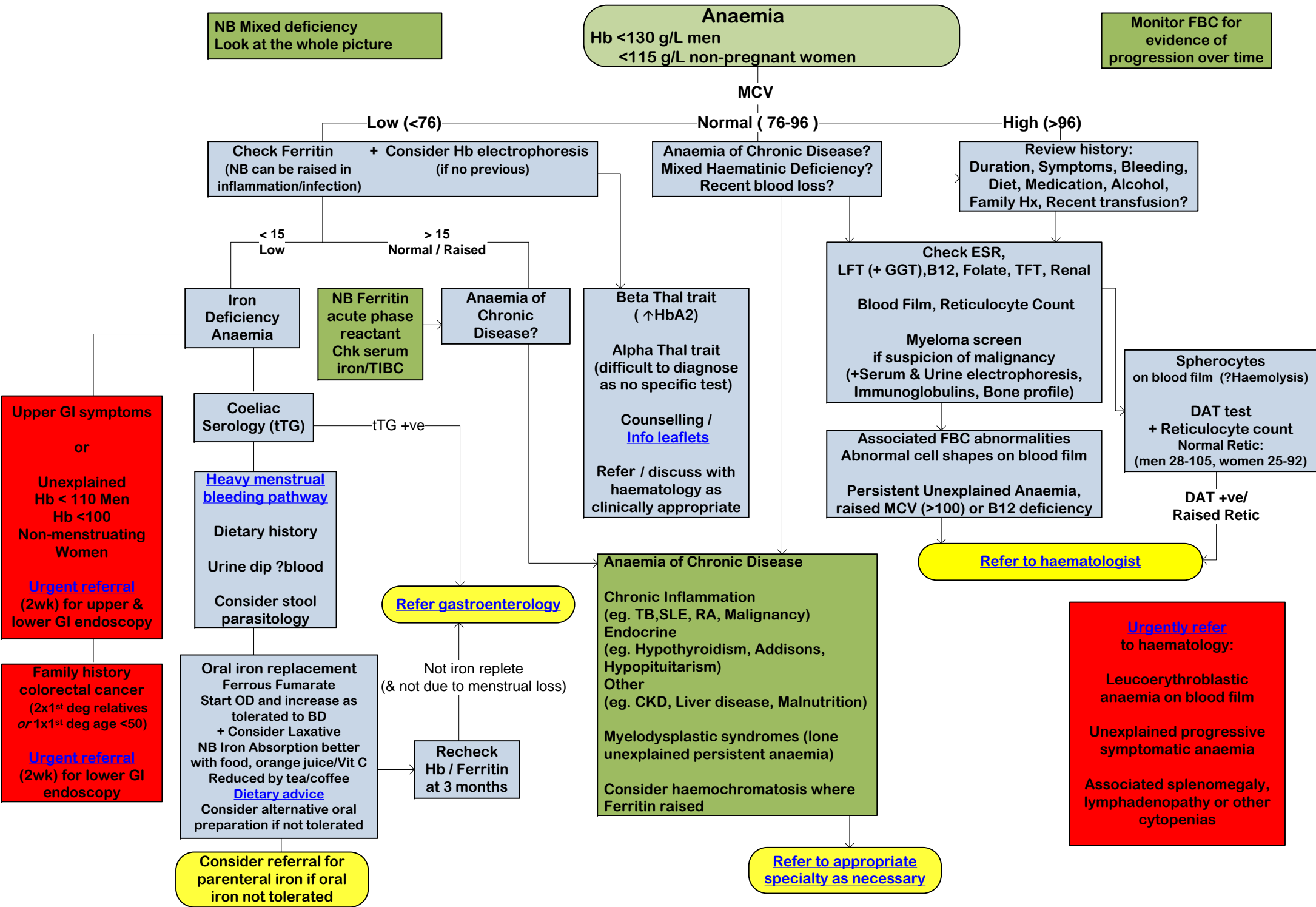
This guidance has been developed from published guidance, in collaboration with local Haematologists and Gastroenterology, in response to frequently asked questions on interpreting FBCs.

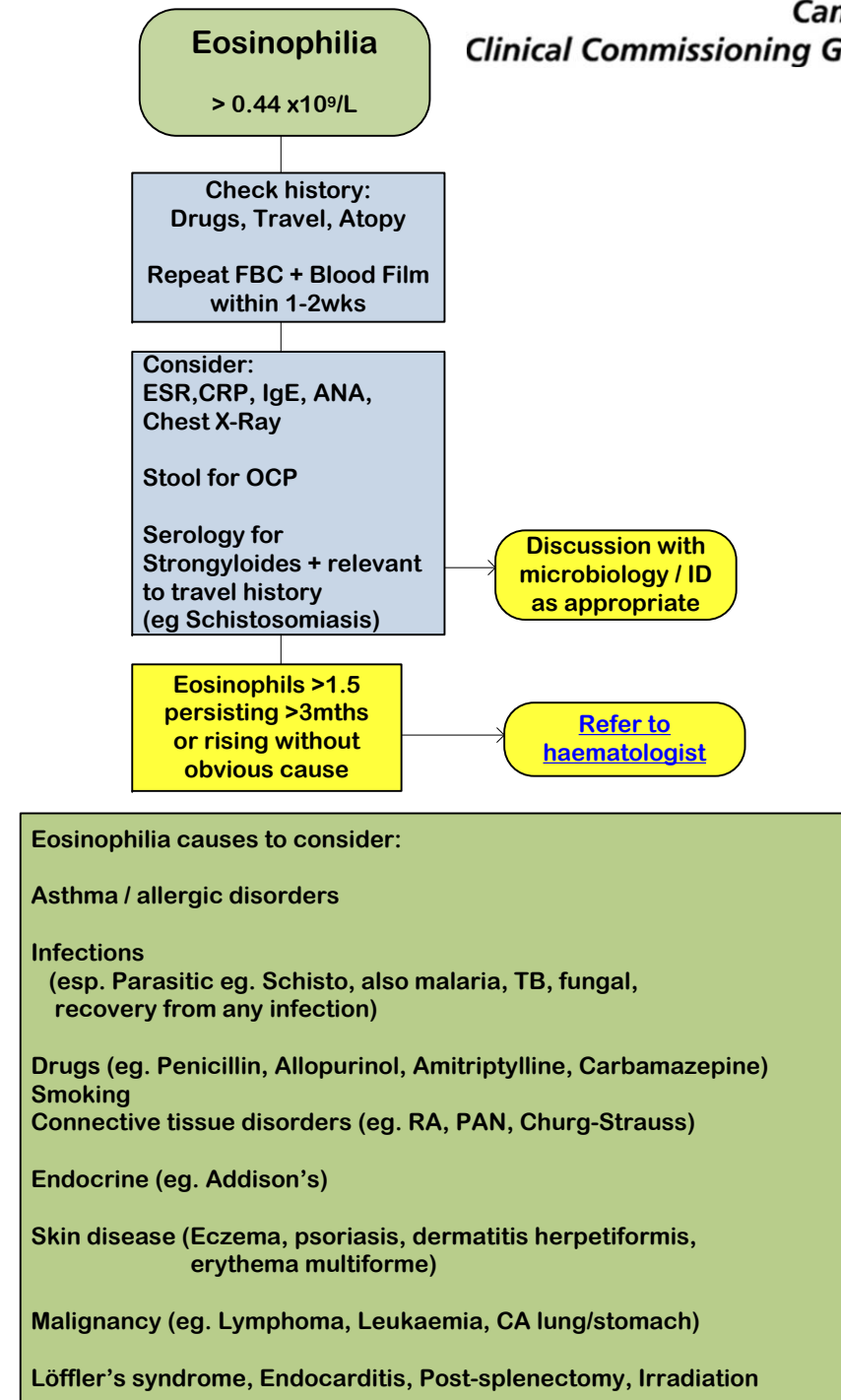
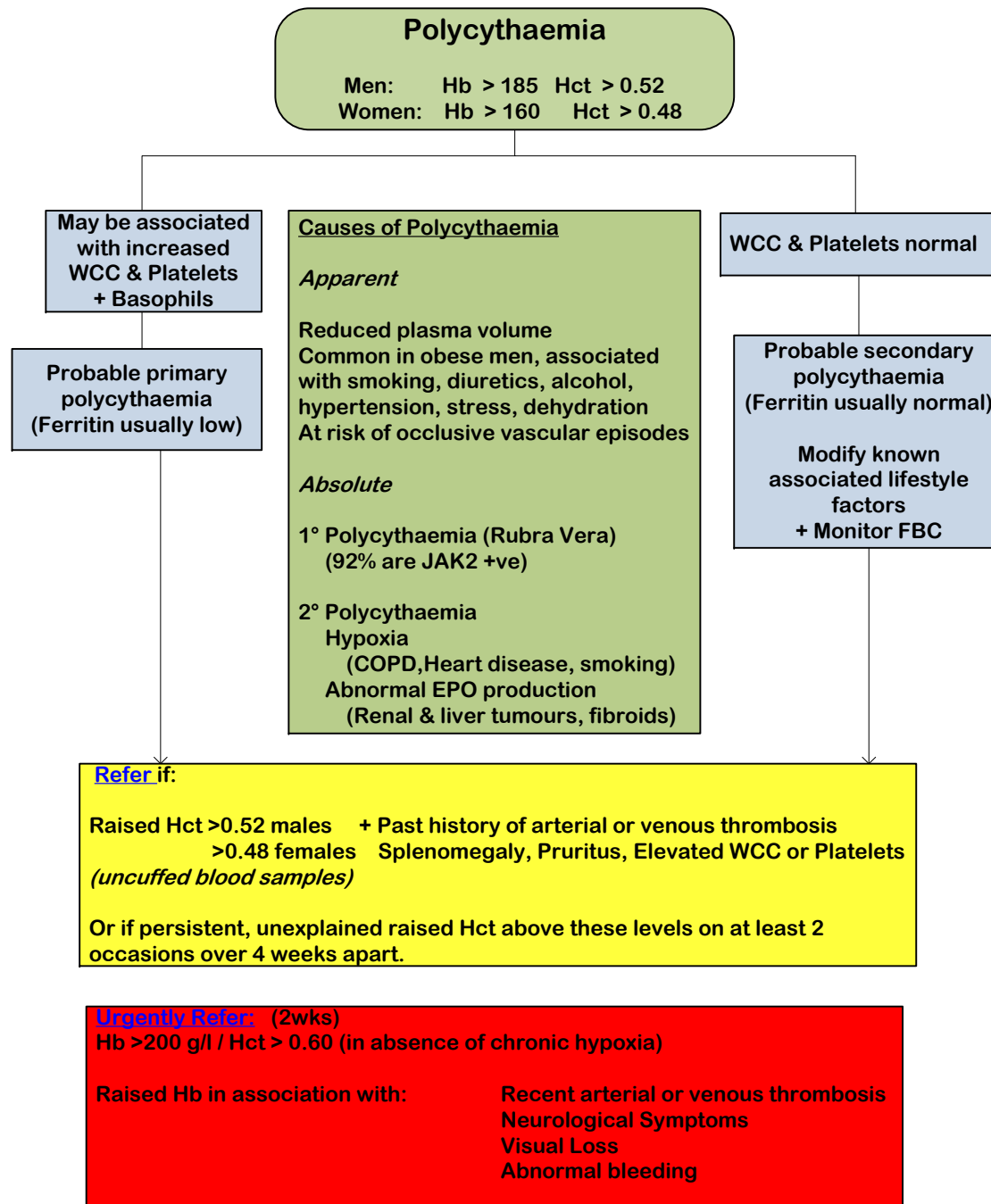
This guidance is to assist GPs in decision making and is not intended to replace clinical judgment.

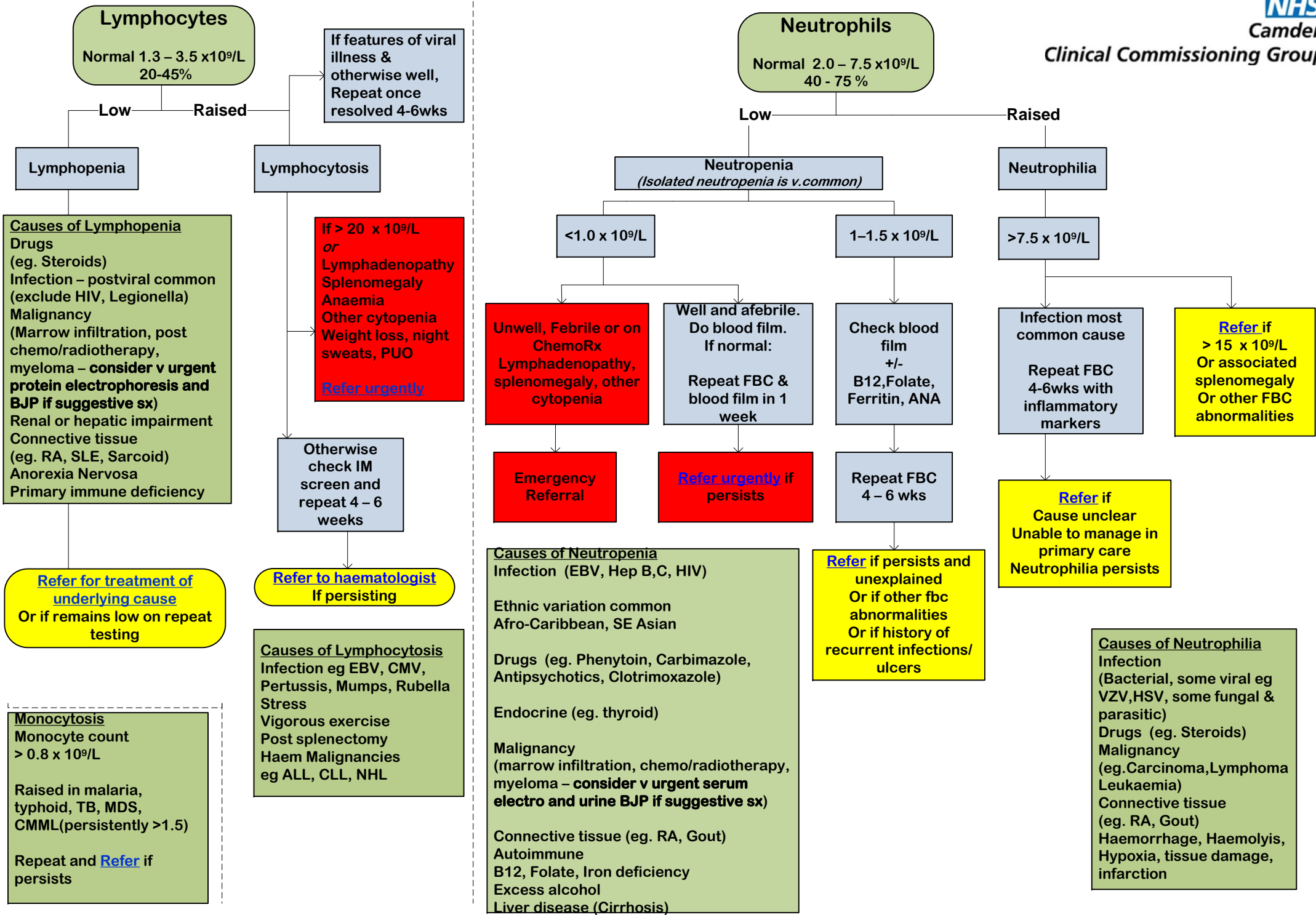
You may also want to seek further specific guidance [using the 'Advice and Guidance' service](#).



NB – Abnormalities affecting more than one cell type are more likely to be due to bone marrow causes rather than reactive. Always consider earlier referral when the patient is unwell.







Check history: travel, drugs, alcohol
 Ask about bleeding history:
 Spontaneous skin/mucosal bleeding, bruising, GI bleeding, epistaxis, gums, menorrhagia.
 Post dental / surgical haemorrhage
 Haemarthroses / muscle haematomas

Platelets
 Normal 150 - 400 x10⁹/L

Thrombocytopenia
 < 150
 Often artefact
 Repeat with blood film

Thrombocytosis
 > 400

< 50 x10⁹/L

50-100 x10⁹/L

100-150 x10⁹/L

Check for hepato/splenomegaly or neuro symptoms
 Check CRP, Blood film, Ferritin

If asymptomatic repeat after 4-6 wks

Urgently Refer:
 Abnormal Bleeding
 Neurological symptoms
 Plt > 1000 x10⁹/L
 Or > 600 x10⁹/L with recent thrombosis or at high risk thromboembolism or CVD
 Or Splenomegaly
 Other symptoms suggestive malignancy
 Other significantly abnormal FBC indices

Urgent Outpatient Referral
 If < 20 x10⁹/L or any bleeding
 Refer for same day assessment

Otherwise Refer
 If persists > 4-6 weeks and unexplained

If other cytopenia, splenomegaly, lymphadenopathy, pregnancy, upcoming surgery
Urgent Outpatient Referral

Repeat monthly & Refer if progressive decrease, other FBC abnormalities or if unwell

< 450 x10⁹/L

> 450 x10⁹/L

No further action required

Thrombocytosis
 1° - Myeloproliferative (likely if splenomegaly and plt >1000)
 2° - More common Reactive (Infection, inflammation haemorrhage, exercise, tissue damage, post-surgery, haemolysis)
 Malignancy
 Hyposplenism/Splenectomy
 Iron deficiency

Treat 2° causes
 Check Hb/Ferritin (Polycythaemia?)

Refer haematology if persistent unexplained > 600 x10⁹/L on at least 2 occasions 4-6 weeks apart
 Or 450-600 x10⁹/L in association with other FBC abnormalities

Thrombocytopenia
 Viral infection including EBV (usually resolves within few weeks)
 Also HIV, Malaria, TB
 Drugs (NSAIDs, Heparin, Digoxin, Quinine, anti-epileptics, antipsychotics, PPIs)
 Alcohol
 Malignancy
 Liver & Renal disease
 Aplastic anaemias, B12/Folate deficiency
 Autoimmune / ITP / SLE