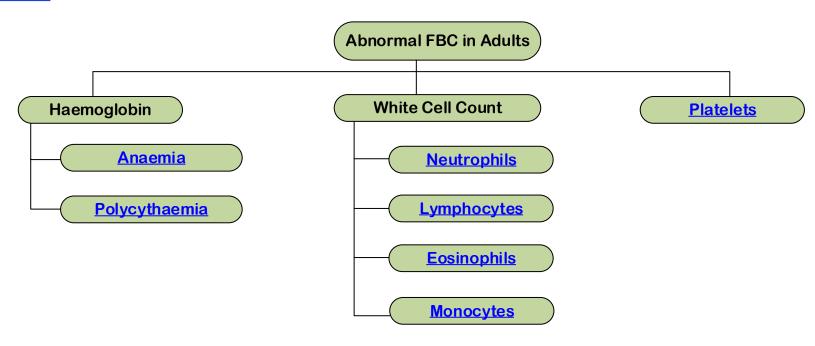
## **Abnormal FBC Results Guidance**

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.

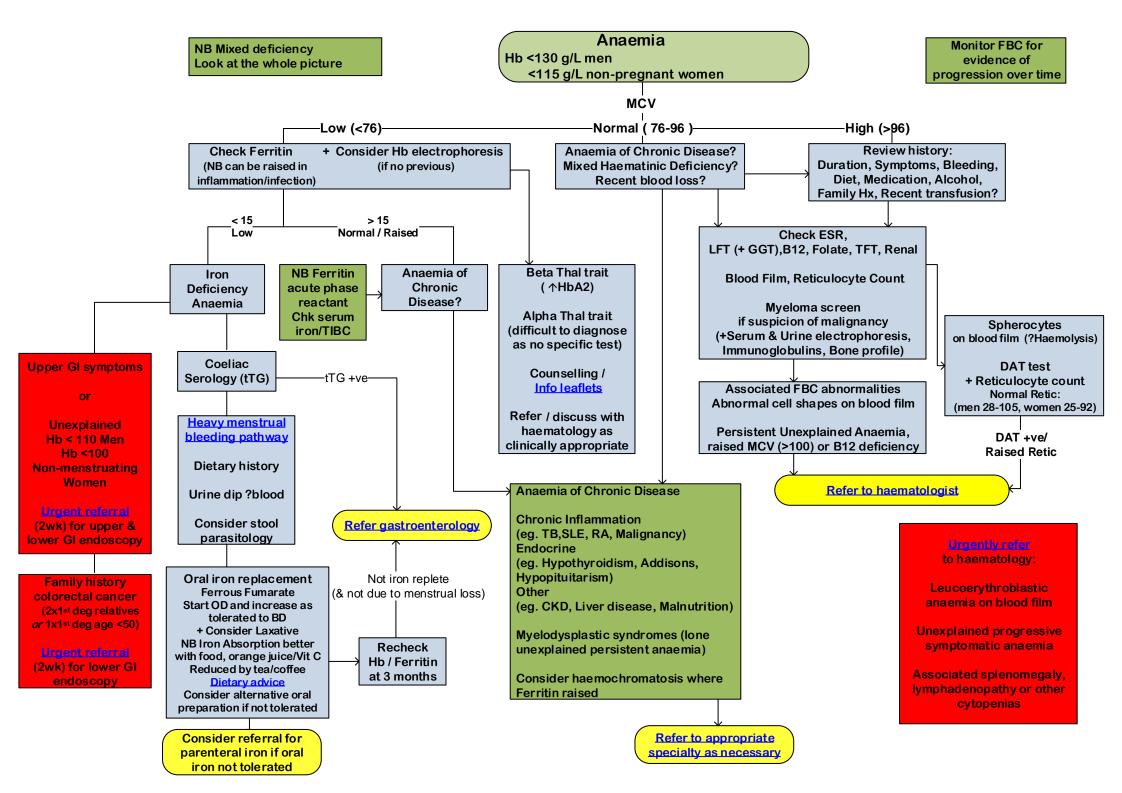
You may also want to seek further specific guidance <u>using the 'Advice</u> and Guidance' service.





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.



## **Polycythaemia** Men: Hb > 185 Hct > 0.52 Women: Hb > 160 Hct > 0.48 May be associated Causes of Polycythaemia with increased WCC & Platelets normal **WCC & Platelets Apparent** + Basophils Reduced plasma volume Probable secondary Common in obese men, associated Probable primary polycythaemia with smoking, diuretics, alcohol, polycythaemia (Ferritin usually normal) hypertension, stress, dehydration (Ferritin usually low) At risk of occlusive vascular episodes Modify known associated lifestyle **Absolute** factors + Monitor FBC 1° Polycythaemia (Rubra Vera) (92% are JAK2 +ve) 2° Polycythaemia Hypoxia (COPD, Heart disease, smoking) **Abnormal EPO production** (Renal & liver tumours, fibroids) Refer if: Raised Hct >0.52 males + Past history of arterial or venous thrombosis >0.48 females Splenomegaly, Pruritus, Elevated WCC or Platelets (uncuffed blood samples) Or if persistent, unexplained raised Hct above these levels on at least 2 occasions over 4 weeks apart. Urgently Refer: (2wks) Hb >200 g/l / Hct > 0.60 (in absence of chronic hypoxia)

Recent arterial or venous thrombosis

**Neurological Symptoms** 

Abnormal bleeding

**Visual Loss** 

Raised Hb in association with:

## Eosinophilia Clinical Commissioning Group > 0.44 x109/L Check history: Drugs, Travel, Atopy Repeat FBC + Blood Film within 1-2wks Consider: ESR, CRP, IgE, ANA, **Chest X-Ray** Stool for OCP Serology for Discussion with Strongyloides + relevant microbiology / ID to travel history as appropriate (eg Schistosomiasis) Eosinophils >1.5 persisting >3mths Refer to or rising without hae matologist obvious cause Eosinophilia causes to consider: Asthma / allergic disorders Infections (esp. Parasitic eg. Schisto, also malaria, TB, fungal, recovery from any infection) Drugs (eg. Penicillin, Allopurinol, Amitriptylline, Carbamazepine) **Smoking** Connective tissue disorders (eg. RA, PAN, Churg-Strauss) Endocrine (eg. Addison's) Skin disease (Eczema, psoriasis, dermatitis herpetiformis, erythema multiforme) Malignancy (eg. Lymphoma, Leukaemia, CA lung/stomach) Löffler's syndrome, Endocarditis, Post-splenectomy, Irradiation

