

Pancytopenia

Pancytopenia is when there is a reduction in all 3 cell lines in the blood count

Consider reversible causes

Drugs eg methotrexate

Haematinic deficiency

Hypersplenism / liver disease

Investigations

- Vitamin B12/folate
- Reticulocytes
- UEs/LFT
- Bone profile
- Blood film if not already available
- Myeloma screen
- Autoimmune screen

Management

If film shows blasts, leucoerythroblastic or patient unwell / febrile/ bleeding symptoms – discuss directly with oncall haematologist

Assess severity

- Severe if

Hb < 80g/l or Neutrophils < $0.5 \times 10^9/l$ or Platelets < $30 \times 10^9/l$



- Non severe and no clear cause – routine referral to haematology
- Severe but stable – if no clear cause refer on 2 week wait

If possible cause treat and discuss with haematology

If clear cause eg B12 deficiency treat and monitor to ensure resolution