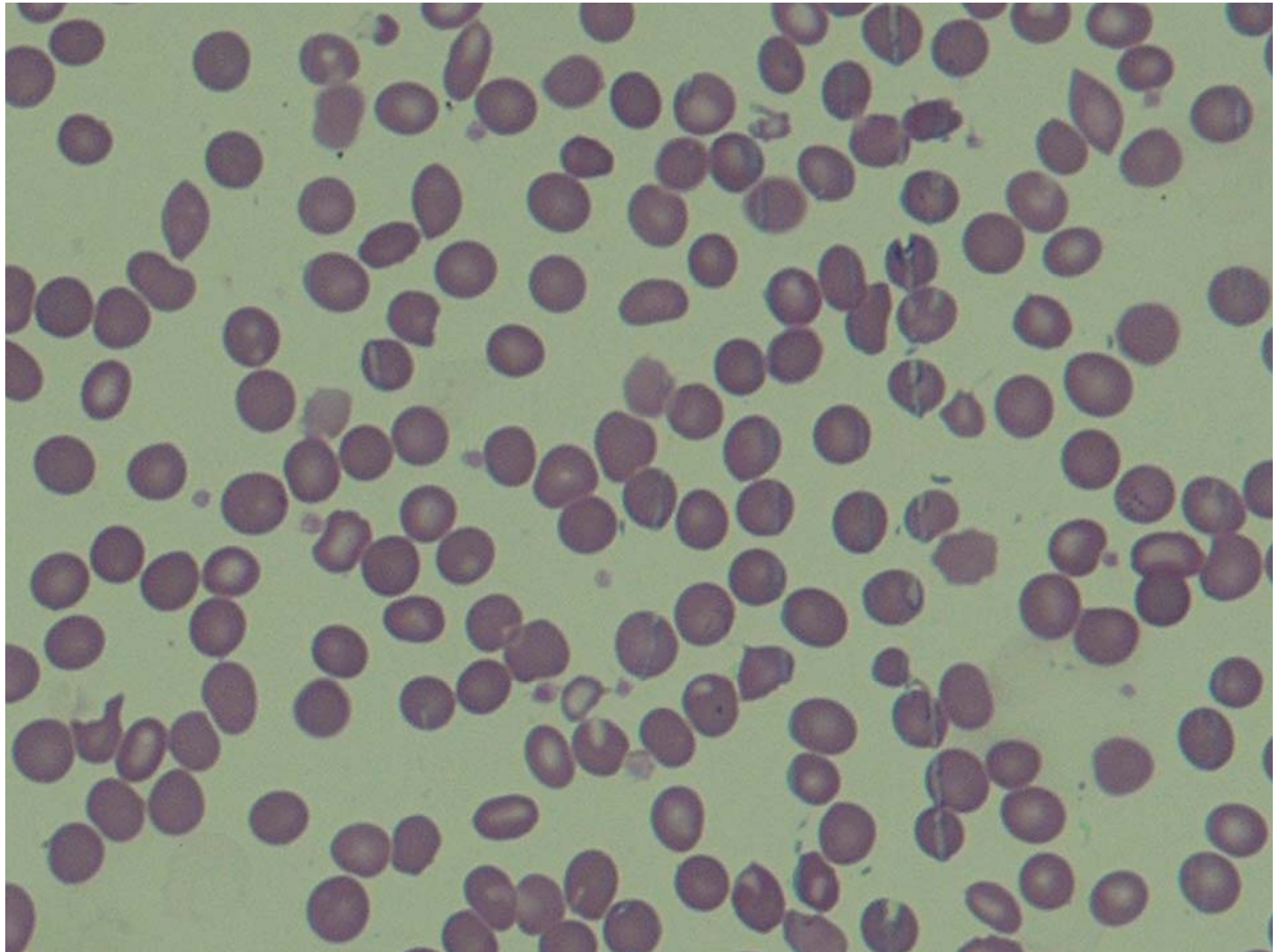


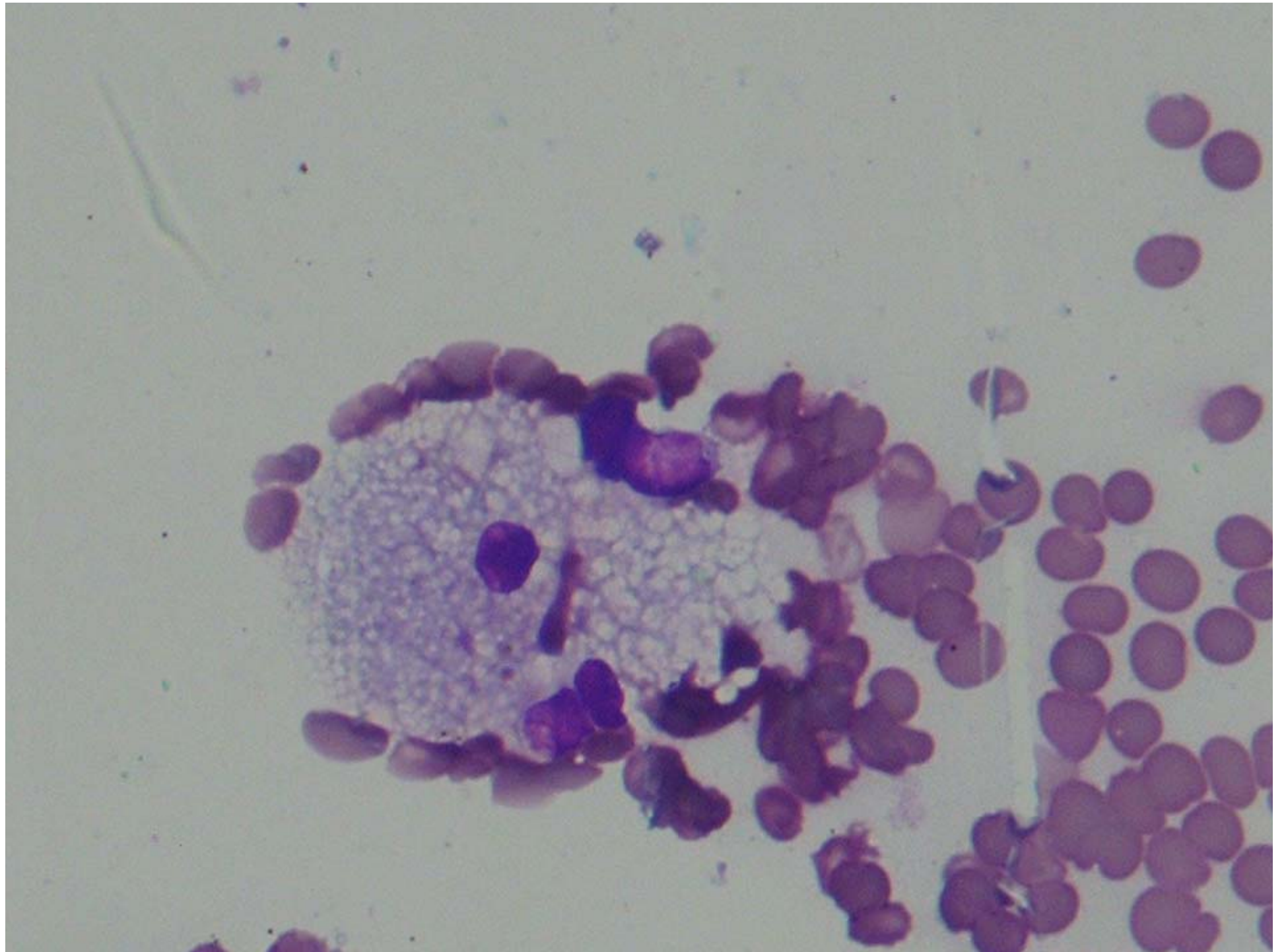
A few cases

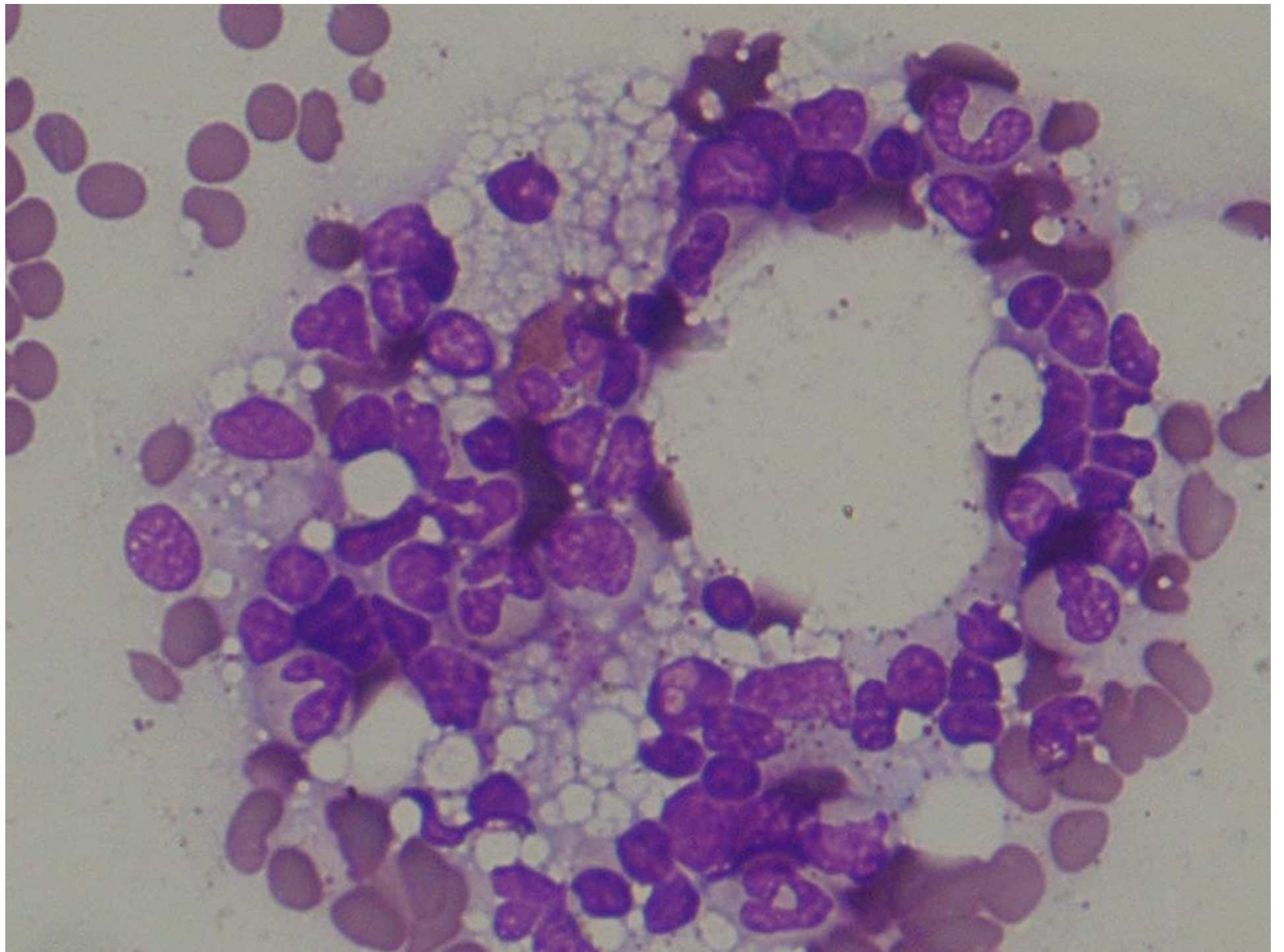
- 10 m old male child
- Diarrhoea 7 months
- Fever 7 months
- Delayed milestones
- Lymph nodes: Bilateral cervical 1x1 cm
- Liver: 6 cm
- Spleen: 10 cm

### **Peripheral blood**

- Hb: 10.0 g/dl
- TLC:  $8.2 \times 10^9/L$
- Platelets:  $246 \times 10^9/L$







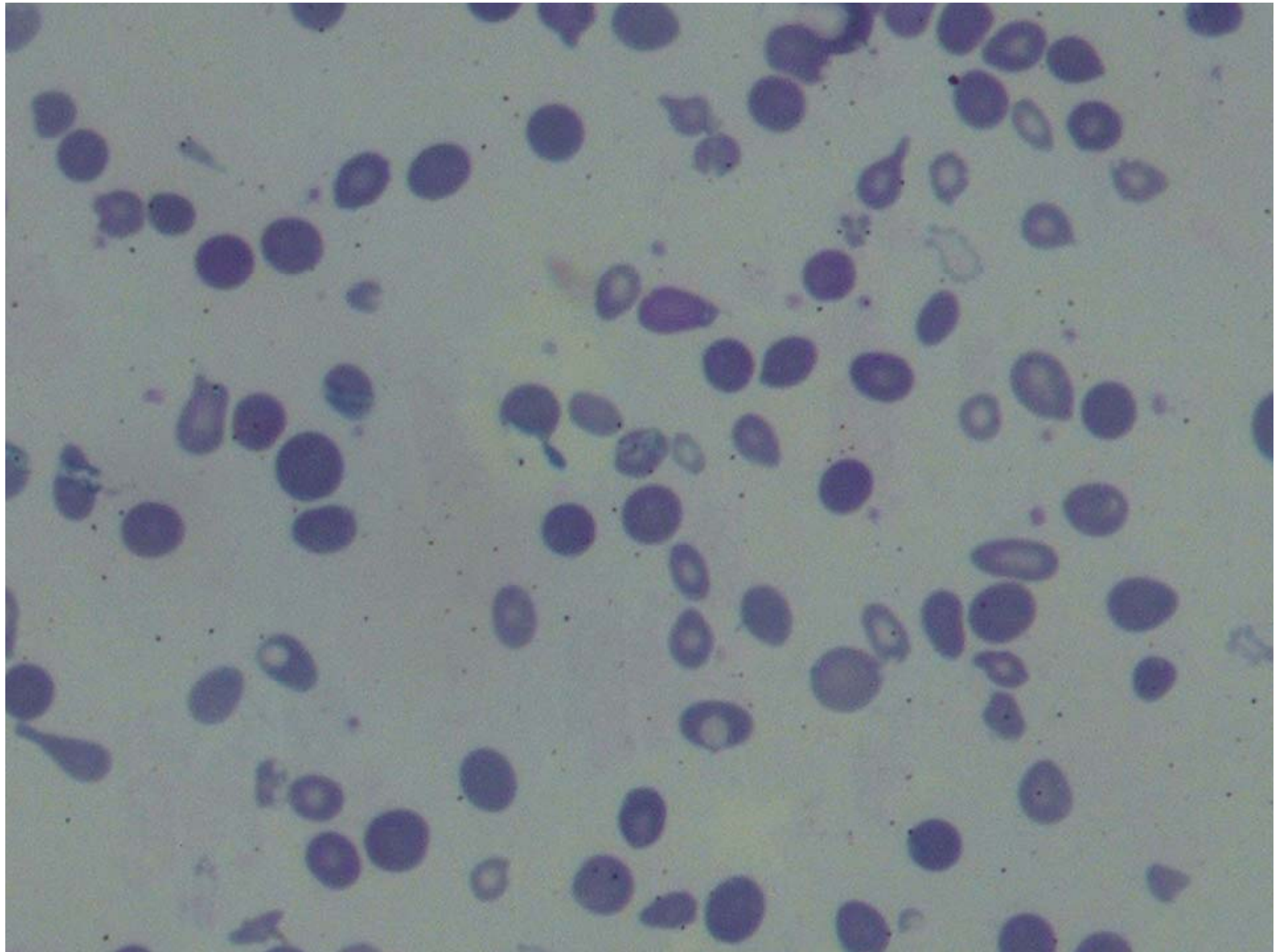
# Diagnosis

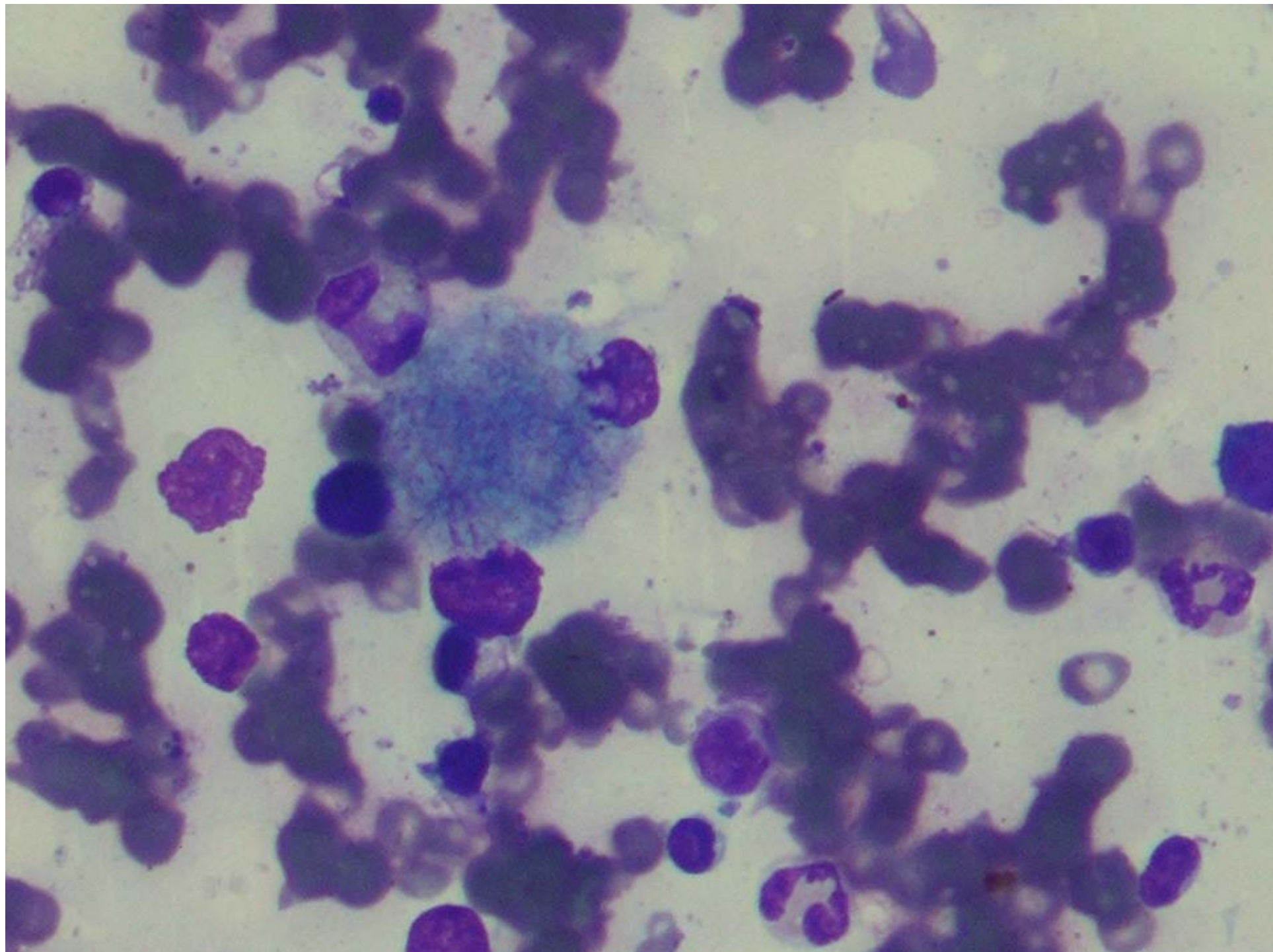
- Niemann Pick Disease

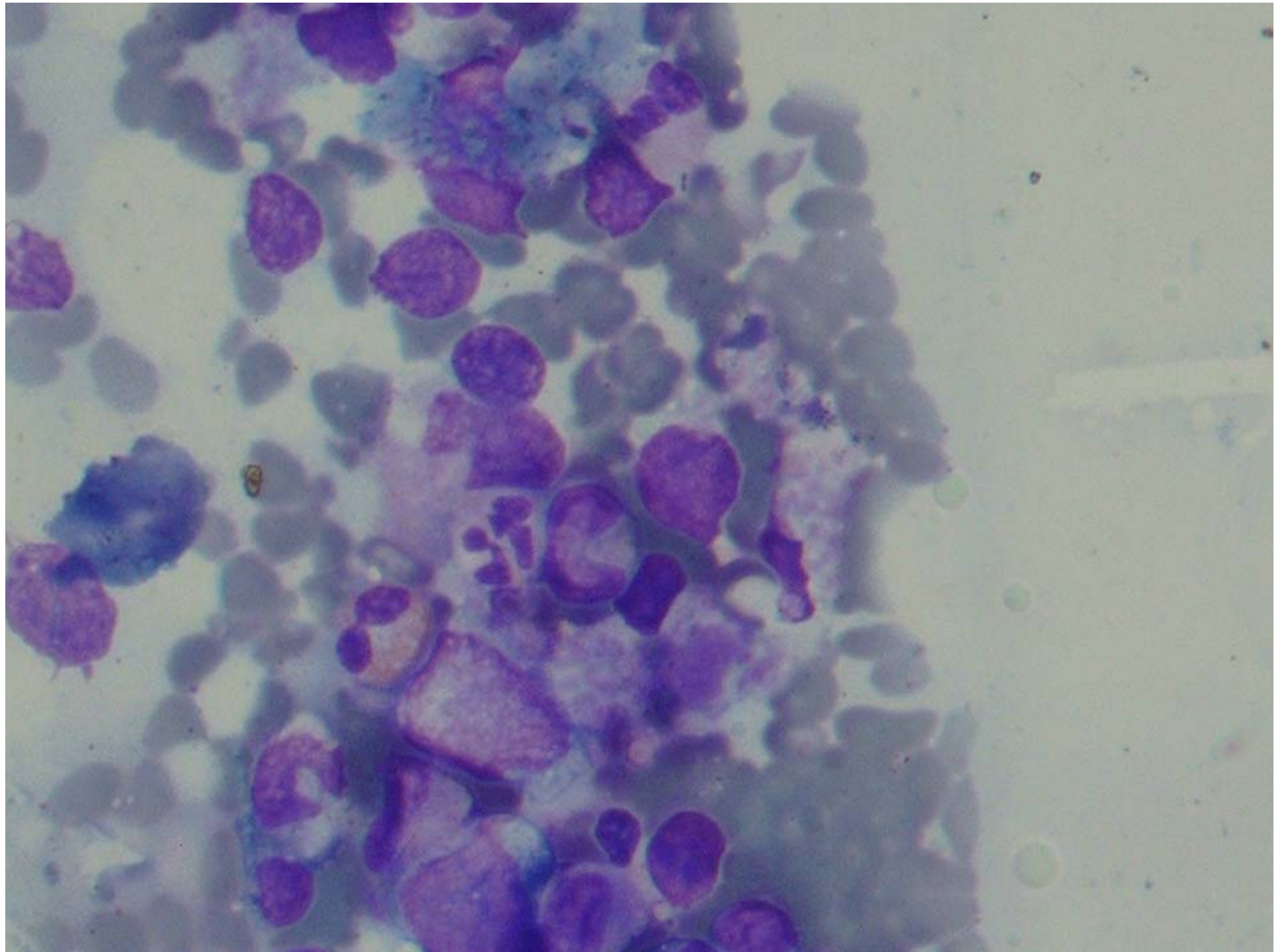
- 19 yrs old female patient
- Ill health since late childhood
- Weakness 3 yrs
- Abd. discomfort 2 yrs
- LN<sup>o</sup>
- Liver: 2 cm
- Spleen: 8 cm

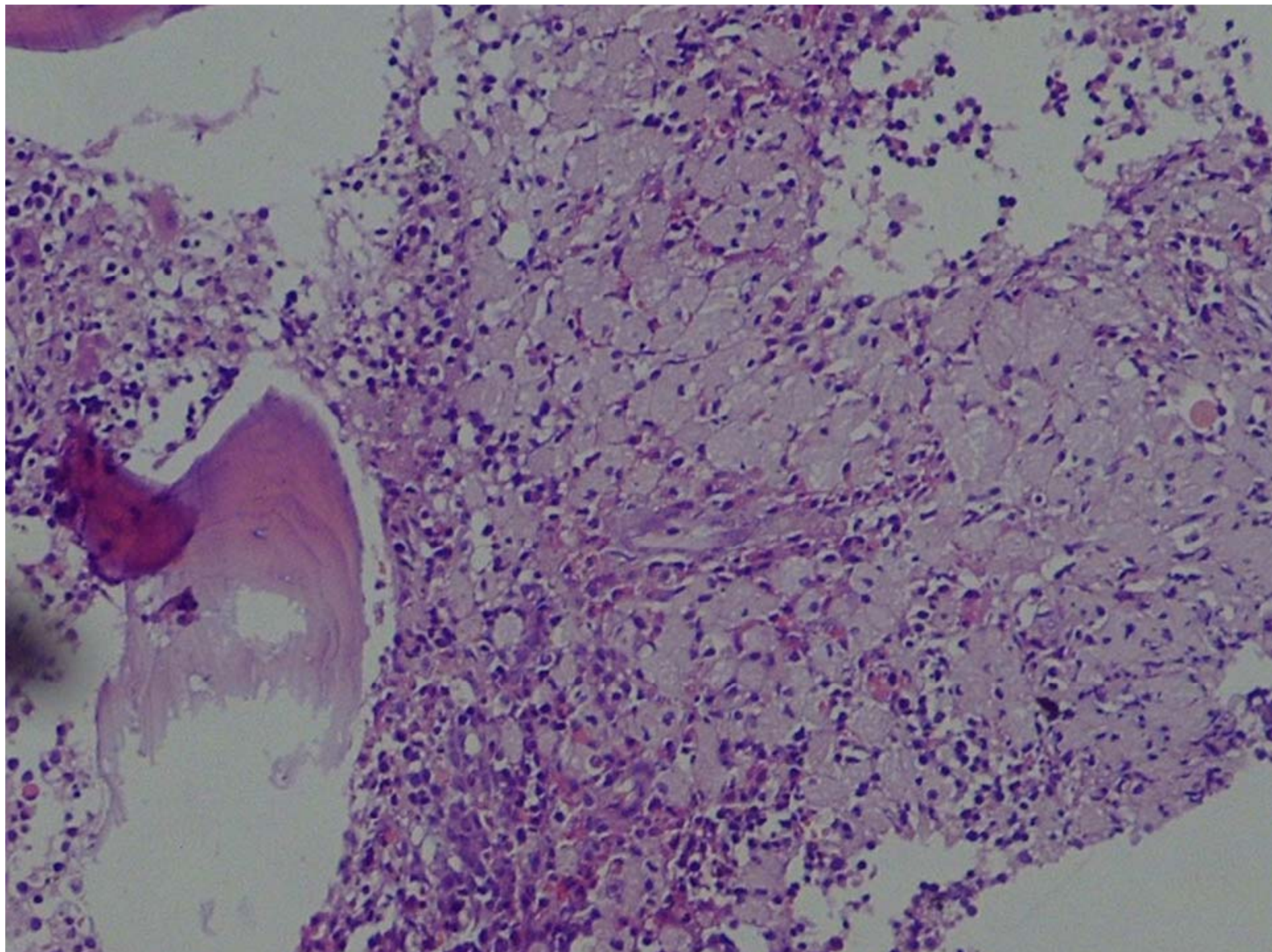
### **Peripheral Blood**

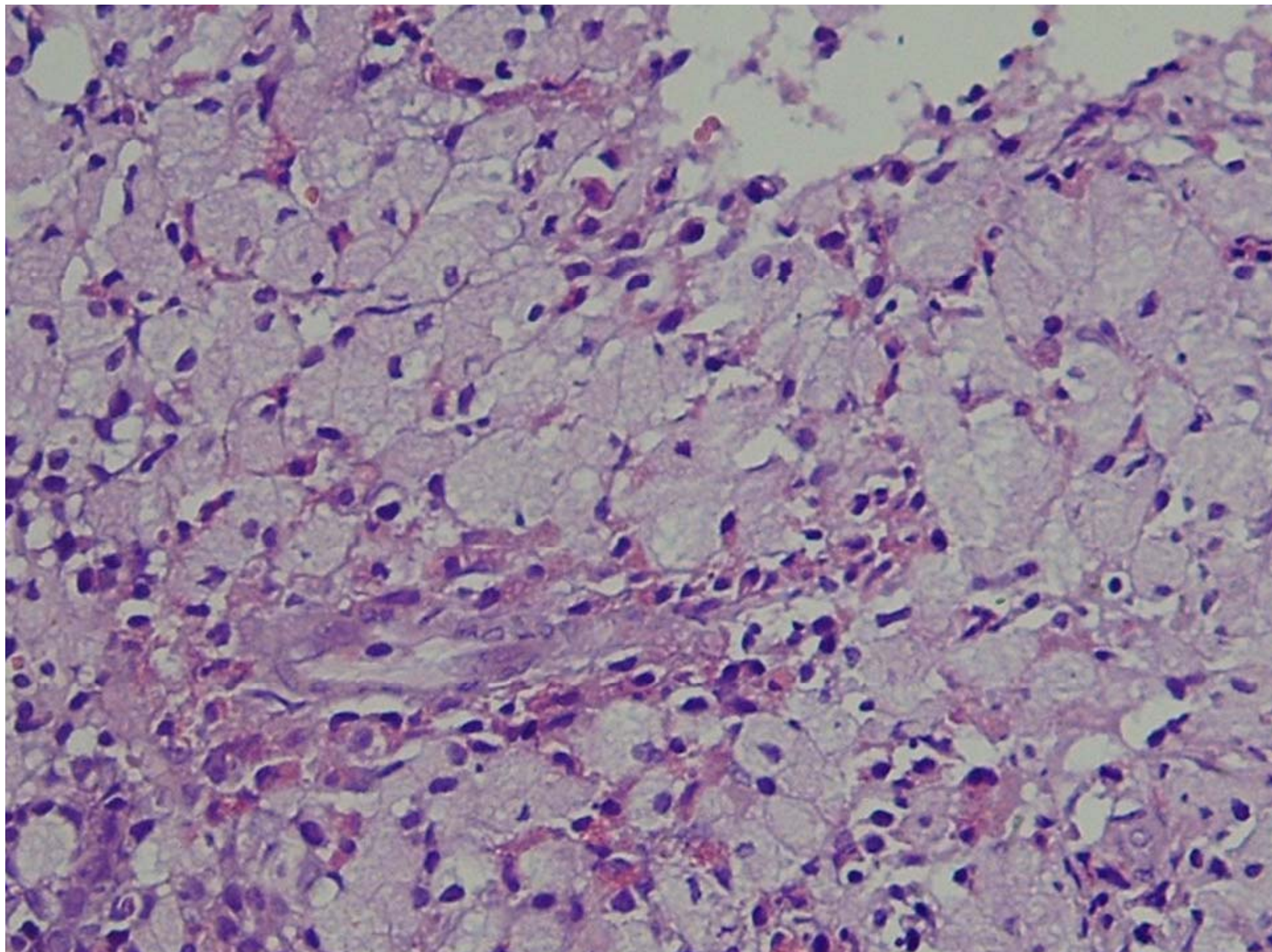
- Hb: 9.0 g/dl
- TLC: 4.6 X 10<sup>9</sup>/L
- Platelets: 109 X 10<sup>9</sup>/L







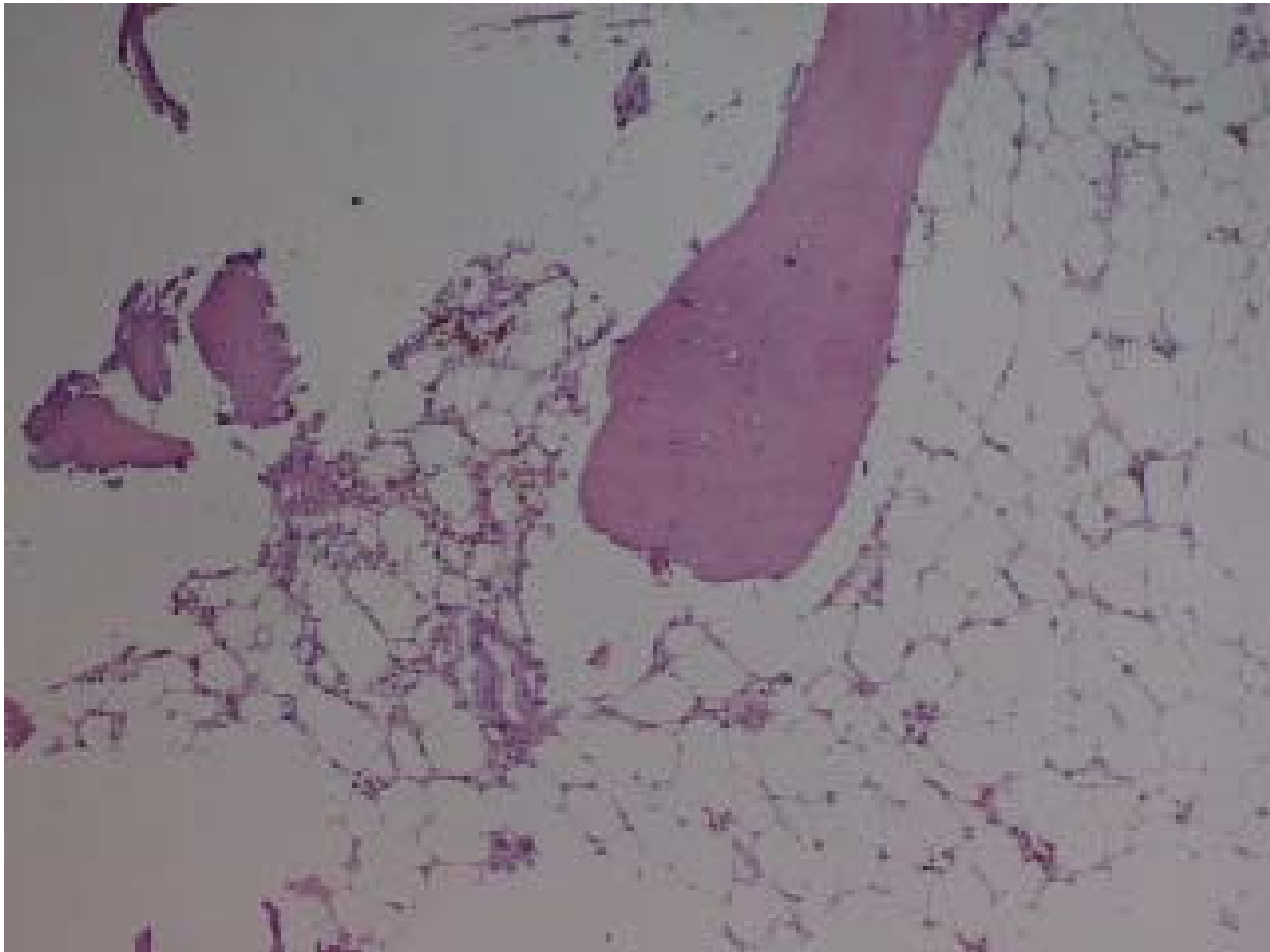




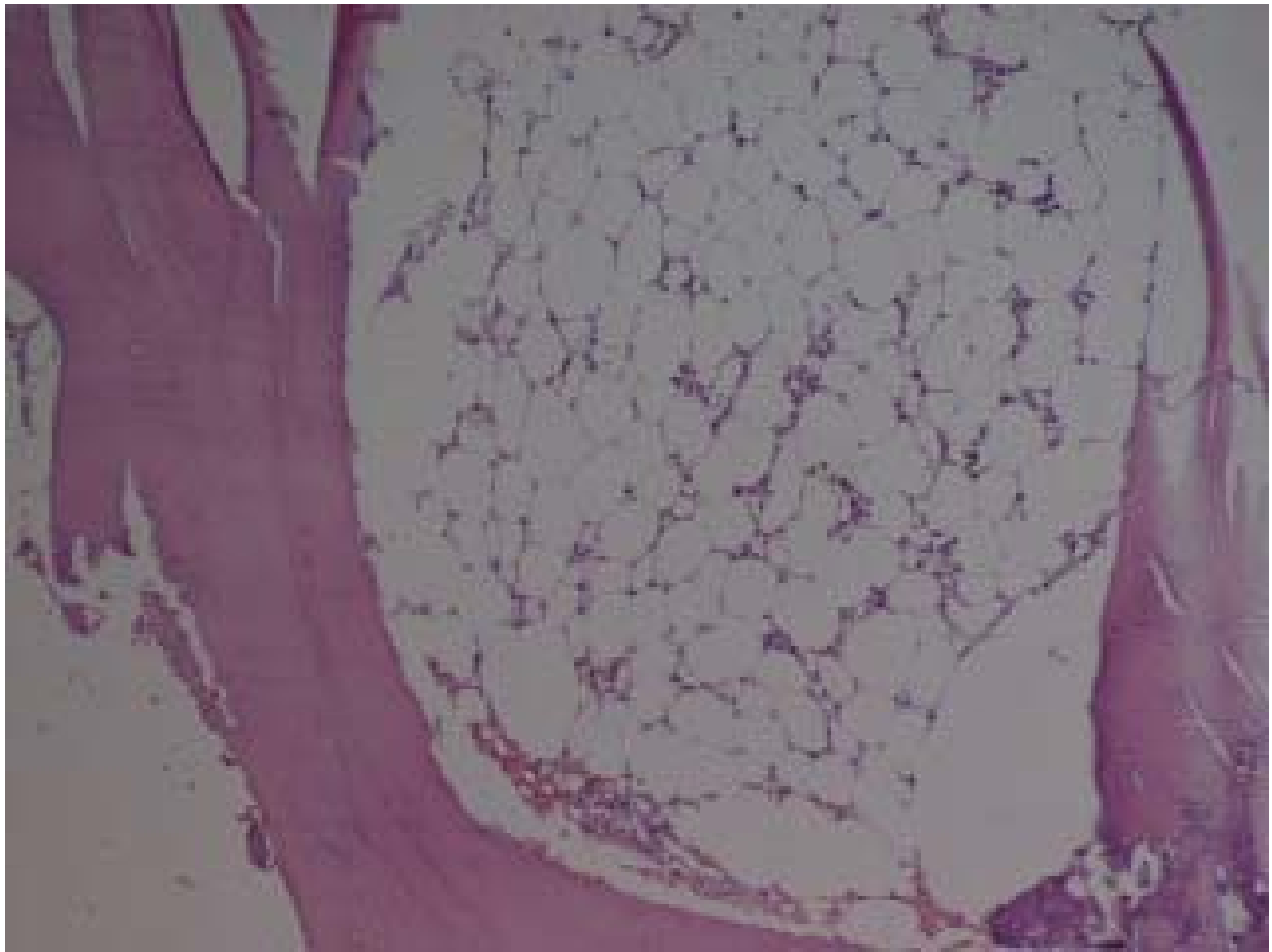
# Diagnosis

- Gaucher's Disease

- A 24 yrs old male patient developed progressive pallor
- His blood picture showed normocytic normochromic anemia. White cell count and platelets were also decreased
- Possibilities!





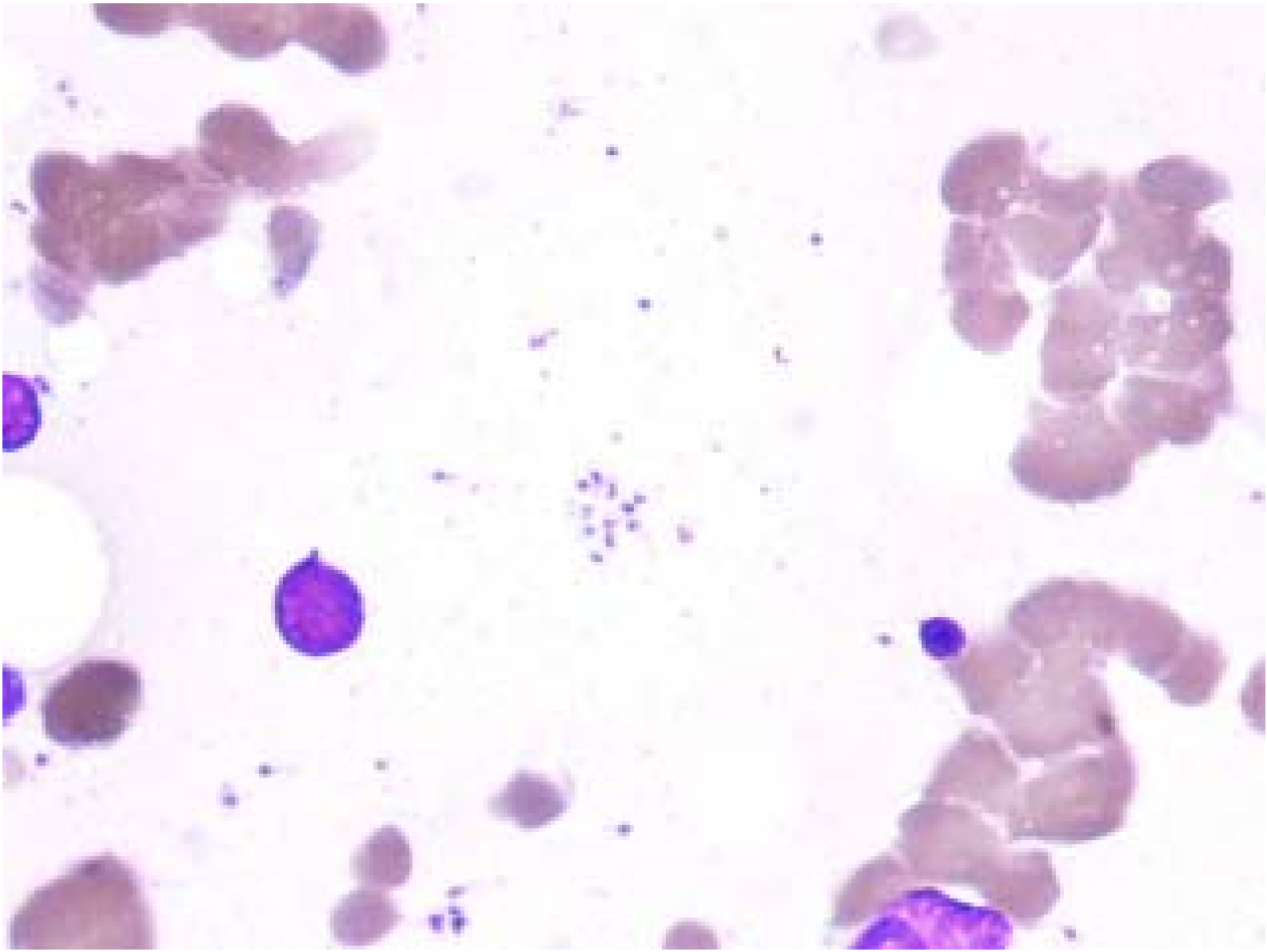


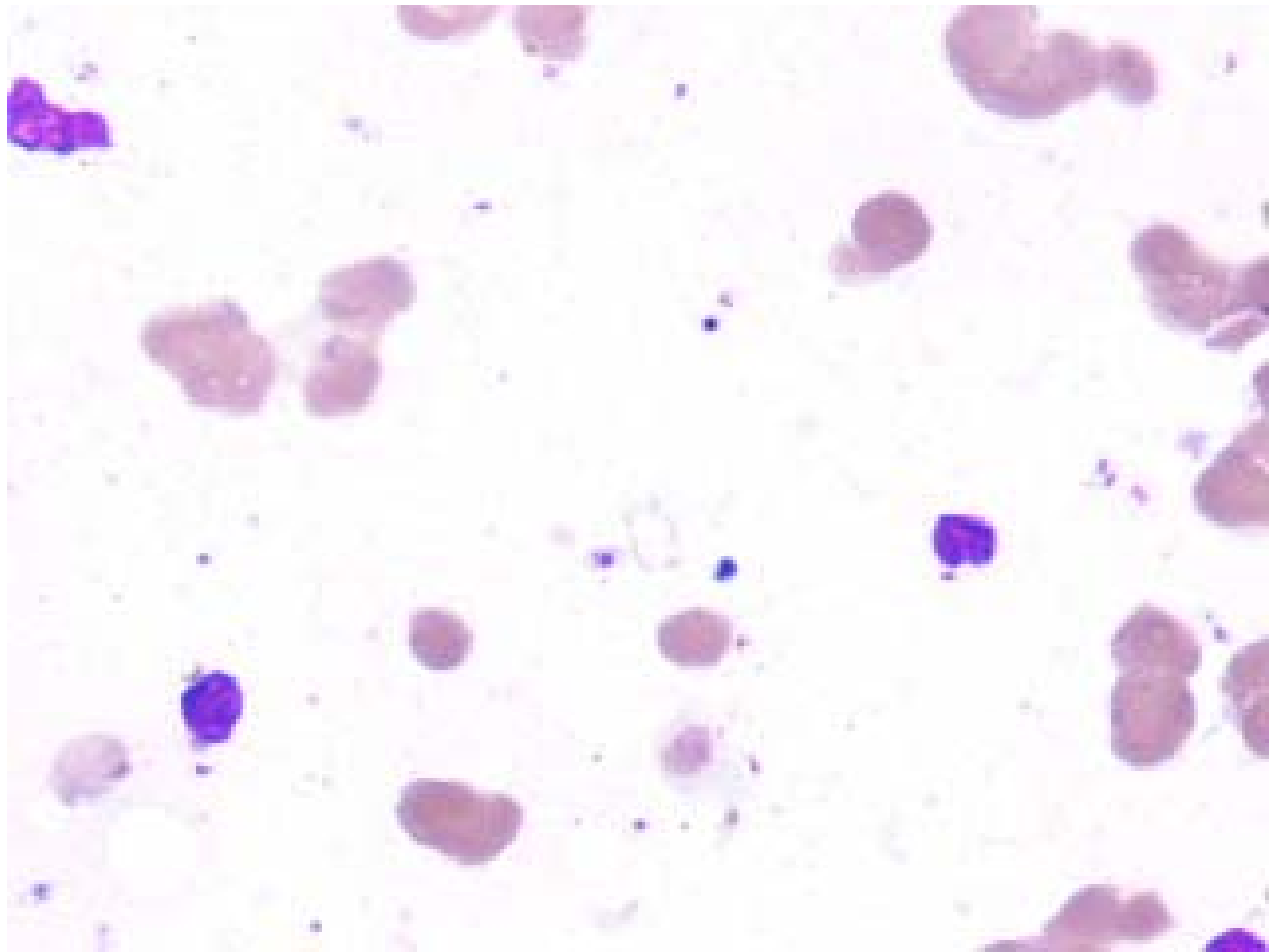
# Diagnosis

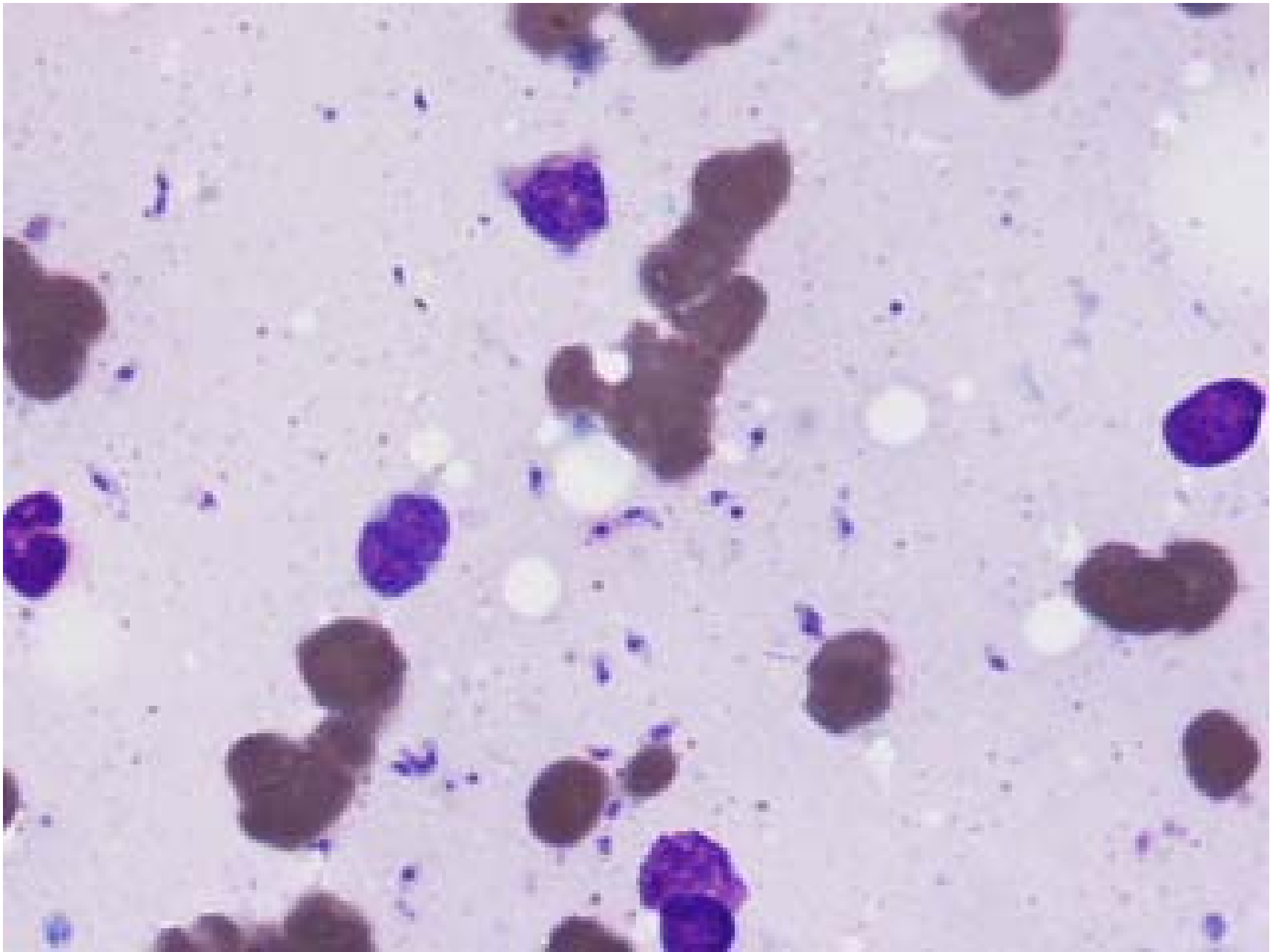
- Aplastic ANemia

- Causes
- Associated conditions
- Relation with PNH, MDS
- Pathogenesis
- Management
- Cure?
- Fanconi's anemia

- An HIV patient developed fever, pancytopenia and splenomegaly
- His Bone marrow aspiration was performed
- Possibilities?



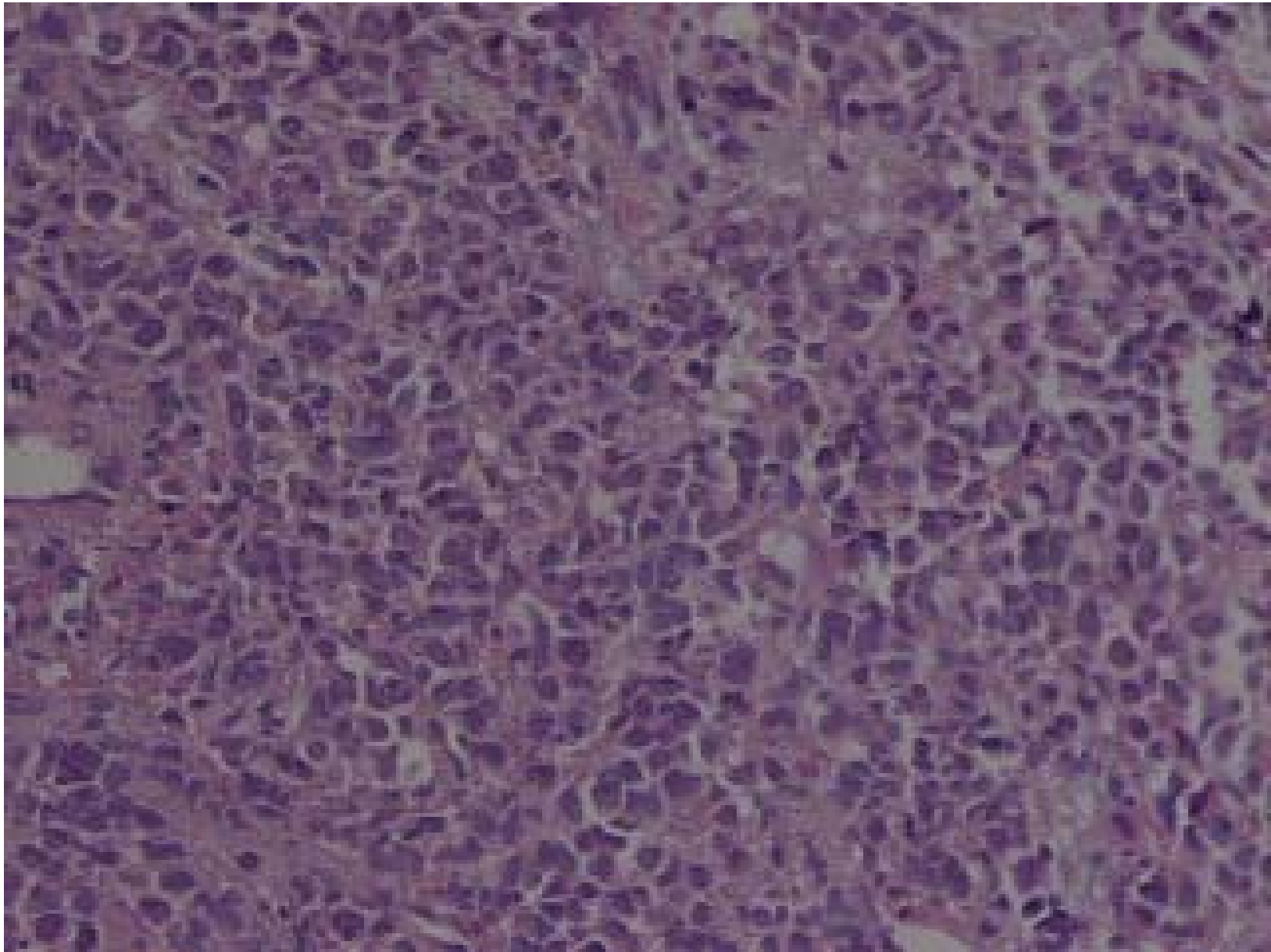




# Diagnosis

- Visceral Leishmaniasis in a Patient of HIV/AIDS

- A 65 yrs old female patient was found to have myelophthisic anemia
- Bone marrow trephine biopsy was performed

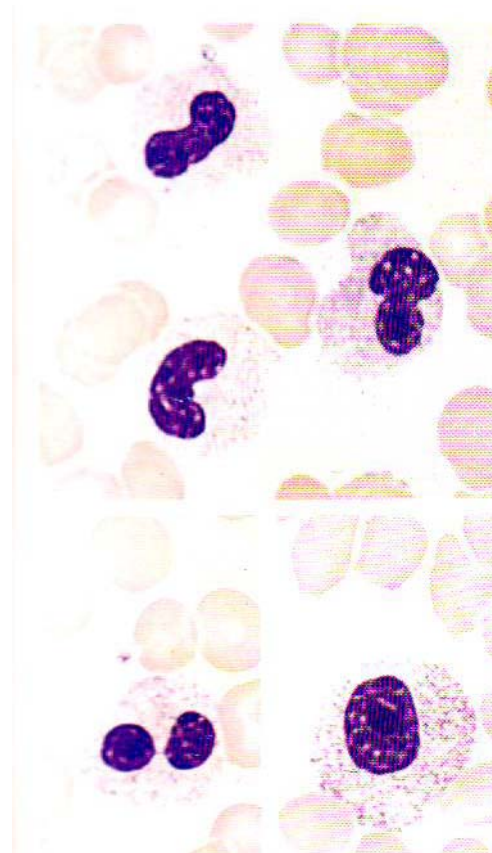


# Diagnosis

- Secondaries- Adenocarcinoma

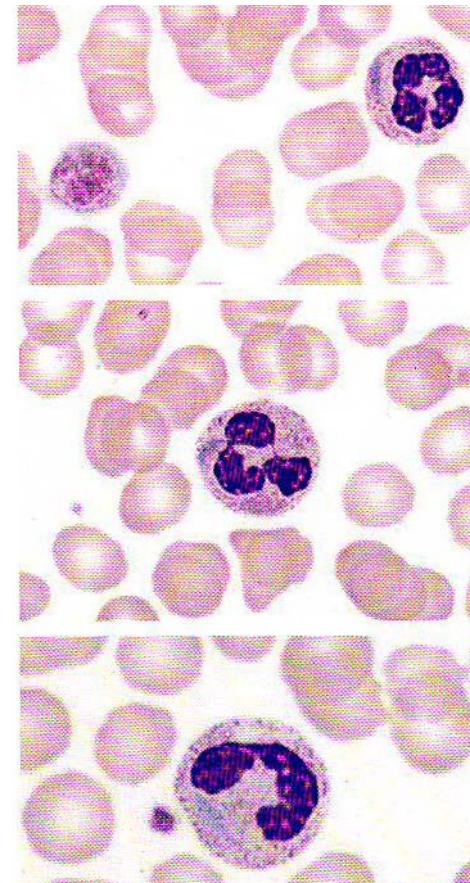
# Pelger Huet anomaly

- Coarse clumping of chromatin
- Hypolobulation
- Pince-nez configuration
- Round nucleus
- Seen in homozygotes
- Pseudo-Pelger neutrophils



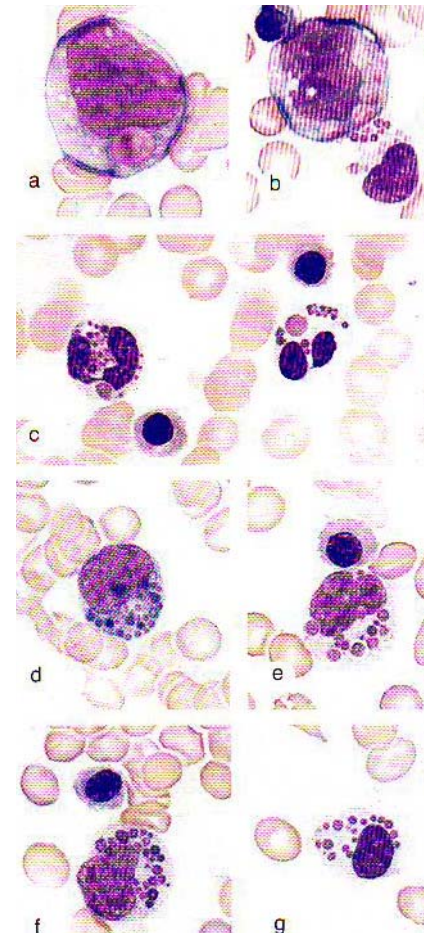
# May-Hegglin anomaly

- Neutrophil contains basophilic inclusion
- Similar to Dohle bodies, but not related to infection
- Associated mild thrombocytopenia



# Chediak Higashi Anomaly

- Giant granules in the cytoplasm of all types of white cells and their precursors
- Severe infections



# Alder's Anomaly

- Coarse red violet granules in neutrophils, and sometimes also in monocytes, lymphocytes and other granular leucocytes
- Autosomal recessive

