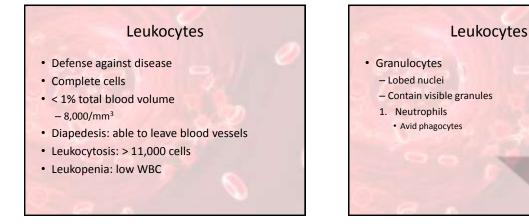
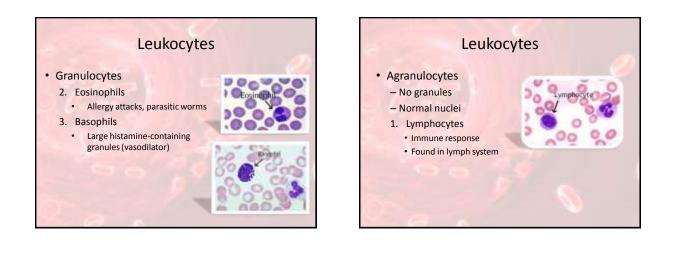
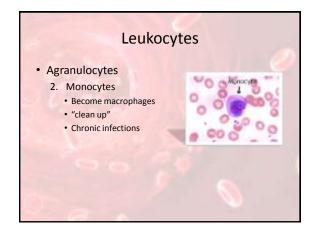
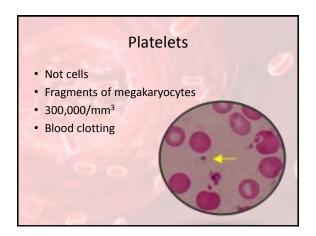


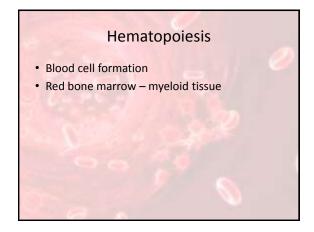
Erythrocytes • 5 million/mm³ • Anemia: decrease in O₂ carrying ability of blood • Reduced # RBCs • Abnormal/deficient Hb • Polycythemia: increase in RBCs • Increases blood viscosity

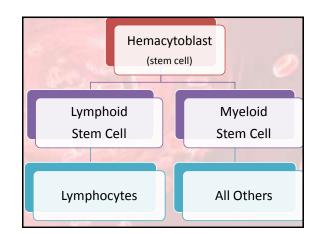










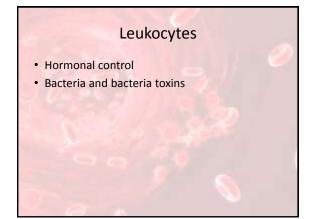


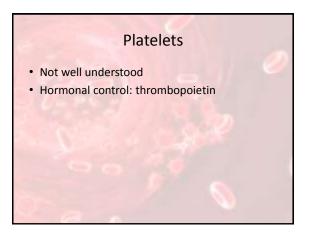
Erythrocytes

- Produce huge amounts of Hb
- Eject nucleus and most organelles (collapses)
- Reticulocyte released into blood stream
- Eject rough ER and become fully functional RBC
 - 3-5 days

Erythrocytes

- 100-120 day life
- Erythropoietin:
 - Hormone controls RBC formation
 - Most made by kidneys
 - Released when O₂ level drops

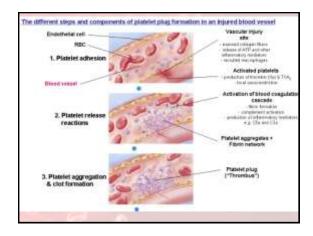


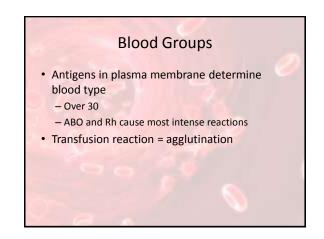


Hemostasis

- Stoppage of blood flow
- 1. Platelet plug forms in response to damage
 - Platelets stick to collagen fibers
- 2. Vascular spasms occur
 - Blood vessel constricts (serotonin)







ABO	
Antigens	Blood Type
Antigen A	А
Antigen B	В
Antigen A and B	AB
No Antigen	0

