HEMATOLOGY

DAY 1

Foundations of Hematology and NBME Top Concepts

Total Duration: 1 hour, 33 minutes, 43 seconds

- \Box Key Concepts for Heme Physiology (1:05)
- □ Blood Composition Overview Concept (1:42)
- □ Fetal Erythropoiesis (10:45)
- □ Haemoglobin Physiology (30:26)
- □ Components of Blood (20:01)
- □ Summary and CBC Interpretation for the USMLE (0:52)
- □ Introduction to NBME Top Concepts: Hematology (7:52)
- \Box Heme Synthesis (5:40)
- \Box CYP Inducers (3:47)
- □ Lead Poisoning (3:01)
- \Box Approach to the Blood Smear (8:32)

Suggested Study Duration:

• Spend an additional 30 minutes reviewing the Foundations of Physiology (Hematology) - PDF Handout

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Intro to Anemia (3 Microcytic Anemia Acute Phase Read Summary of Micro Macrocytic Anem B12 Physiology (1 Normocytic Anem HUS/TTP (2:57) Polycythemia (2:5 Platelet Pathology Warfarin vs. Hepa Multiple Myeloma
Suggested Study Durat Spend an additiona



DAY 2

nemias and Platelet Pathologies

Total Duration: 42 minutes, 14 seconds

(3:07) nia (5:01) actants (1:41) rocytic Anemia (2:00) nia (5:14) (1:30) mia (6:58) 56) gy (5:33) arin (2:35)

a (2:42)

ation: al 20 minutes reviewing Important Microbes for Hematology.

HEMATOLOGY

DAY 3

Sickle Cell Disease and Peripheral Smear

Total Duration: 1 hour, 16 minutes, 17 seconds

- □ Integrative Classroom Case: Sickle Cell Disease (4:49)
- \Box Neurology: Stroke (19:22)
- □ Hematology Overview (2:14)
- □ Peripheral Blood Smear (8:47)
- \Box RBC Inclusions (9:48)
- \Box Sickle Cell Disease (12:33)
- □ Complications of Asplenia (3:44)
- □ Summary of RBC Inclusions (3:25)
- □ Mechanisms of Extravascular RBC Hemolysis (1:39)
- □ Mechanisms of Intravascular RBC Hemolysis (2:11)
- □ Rapid Review of Normocytic Anemia (7:45)

Suggested Study Duration:

• Spend an additional 30 minutes reviewing Peripheral Blood Smear interpretations.

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Aplastic Anemia Cold and Warm A HUS/TTP (1:42) Cells of the Immu Causes of Eosino Causes of Plasma Causes of Mast C Hypercoagulable Anti-coagulants (Primary Hemosta Secondary Hemo Heparin Induced
Suggested Study Dura Spend an additional



DAY 4

Hemostasis and Pharmacology

Total Duration: 47 minutes, 8 seconds

(11:40) AIHA (0:51)

une System (2:17) ophilia on USMLE (0:58) a Cells on USMLE (2:33) Cells on USMLE (2:22) e Pathology (integration) (5:12) (overview) (0:44) asis Pharmacology (8:54) ostasis Pharmacology (Heparin vs. Warfarin) (3:47) Thrombocytopenia (2:02) ibitors (4:06)

ation:

al 30 minutes reviewing Mechanisms of Pharmacology (Hematology) - PDF Handout.