Test Blueprint – Exam 2

Sessions	Test Content	# Items*
1.1 Introduction to Hematology & Methods in Hematopathology		---
1.2 Hematopoiesis & Stem Cell Failure	Presentation and diagnosis of aplastic anemia	1
1.3 The Red Blood Cell	Understanding the RBC cytoskeleton and what happens when there is a defect	1
1.4 Nutritional Anemias & Porphyrias	Understanding Iron deficiency	1
1.5 Sickle Cell Disease	Management of acute complications in sickle cell disease and of prevention of chronic complication	2
1.6 The Thalassemias and Enzymopathies	diagnosis of G6PD def Hemoglobin electrophoresis and diagnosis of thalassemia trait	2
1.7 Hemolytic anemia	Recognizing presentation of and knowing how to diagnose different hemolytic anemias.	1
1.8 Laboratory Techniques in Hematology	Using the CBC and iron studies to differentiate anemia of inflammation from Iron deficiency anemia Diagnosis of B12 deficiency	---
2.1 Intro to White Blood Cells and Heme Malignancies	Nonmalignant causes of leukocytosis Normal function of neutrophils	2
2.02 Myeloproliferative Neoplasms	Diagnosis of Primary and secondary polycythemia Presentation and diagnosis of CML Presentation and diagnosis of Myelofibrosis	4
2.03 MDS/PNH		---
2.04 ALS myeloproliferative disorders	Understanding these cases will help answer questions regarding session 2.02.	---

* Actual number of items may vary +/- 1

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Sessions	Test Content	# Items*
2.05 Exam 1 review		---
2.06 Acute Leukemias	Diagnosis and management of APL Diagnosis and epidemiology of ALL	2
2.07 Lymphomas	Understanding the concept of how each translocation contributes to pathology in lymphoma, how to confirm clonality. Methods of diagnosis in lymphoma Presentation and Diagnosis of CLL.	4
2.08 HSCT and CART	Understand the goals of therapy in allo- and auto- transplant.	---
2.09 Plasma Cell Dyscrasias	Diagnosis of MGUS, Myeloma and amyloid Pathogenesis of myeloma and complications,	4
2.10 Plasma Cell Dyscrasias ALS	Understanding these cases will help you understand questions on 2.09	---
2.11 Case Conference WBC Disorders	Understanding these cases will help you better answer questions on 2.06 and 2.07	
3.01 Morphology	You need to know morphology as it relates to the diseases you have learned about. Slides will be shown with clinical vignette. Knowing how to identify will help you answer the questions.	---
3.02 Normal Hemostasis	Mechanism of action of vitamin K Coagulation factor pathway	2
3.03 Hereditary Bleeding Disorders	Presentation and Diagnosis of Hemophilias	3
3.04 Acquired Bleeding Disorders	Diagnosis and mgmt. of acquired coagulopathy Diagnosis and management of Immune thrombocytopenia Diagnosis of DIC Understanding how to diagnose an acquired inhibitor	5

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3.05 Morphology Active Learning Session	You need to know morphology as it relates to the diseases you have learned about. Slides will be shown with clinical vignette. Knowing how to identify will help you answer the questions.	---
3.06 Principles of Transfusion	Diagnosis and classification of transfusion reactions	2
3.07 Thrombosis and Antithrombotic Therapy	Diagnosis of HIT Risk factors in DVT Mechanism of inherited thrombophilias Understanding Protein C def Mechanism of action of anticoagulant Antiphospholipid antibody syndrome Clinical presentation and Mechanism of action of TTP	4
3.08 ALS Thrombosis and Hemostasis	Cases from session 3.04 and 3.07, will help you to understand these clinical scenarios	---
3.09 Case Conference 3	Cases from 3.04 and 3.07 – this session will help you understand these clinical scenarios	---
	TOTAL	**40**

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