

Week	Subject	Face to face	Recorded
First week	Histology	- Blood cells-1 (Histology of Erythrocytes) - Blood cells-2 (Histology of Granulocytes)	- Hematopoiesis- 1 (Erythropoiesis) - Hematopoiesis- 2 (Granulopoiesis)
	Physiology	- Introduction (Blood composition, function, hematocrit, plasma, hematopoiesis) - Erythrocytes (general characteristics, function of RBCs, RBC life cycle, erythropoiesis,)	- Erythrocytes (RBC parameters) Hemoglobin (Definition, concentration, structure) - Thrombocytes (Production, approximate concentration, structure and survival time, Platelet function)
	Biochemistry	- Hemoglobin Overview - Regulation of Hemoglobin function	-
	Pathology	- Polycythemia - Anemia of blood loss	- Anemia of low production
	Clinical	- Case presentation	-
	Total	9 lectures	5 lectures
Second week	Histology	- Blood cells-3 (Histology of Agranulocytes and Thrombocytes) - Lymphatic system-1 (Histology of Lymph nodes)	- Lymphatic system-2 (Histology of Spleen, Tonsils and MALT) - Lymphatic system-3 (Histology of Thymus, T cells development)
	Physiology	- Hemostasis - Regulation of hemostasis (fibrinolysis, thromboembolic conditions)	- Leukocytes (Cell types, the percent distribution of the different cell types) - Leukocytes (Continued, phagocytosis, variations in leukocyte count)
	Biochemistry	- Hemoglobinopathies - Metabolism in Erythrocytes	- Metabolism of iron (Synthesis, storage, transport and genetic diseases)
	Pathology	- Hemolytic anemia - Hemoglobinopathies	-
	Pharmacology	- Agents used in Anemias	-
	Total	9 lectures	5 lectures
Third week	Physiology	- Blood groups and blood transfusion - Body fluids and Lymphatic system	-
	Biochemistry	-	- Biochemical view of Blood coagulation-1 - Biochemical view of Blood coagulation-2
	Pathology	-	- Bleeding disorders - Non-neoplastic WBC disorders
	Pharmacology	- Hematopoietic growth factors - Drugs used in Thromboembolic Diseases-1	- Drug treatment in hematopoietic malignancy-1 - Drug treatment in hematopoietic malignancy-2
	Microbiology	- Blood protozoa: Plasmodium & Babesia - Hemoflagellates: Trypanosoma and Leishmania	-
	Histology lab	Histology of Blood Cells and Lymphoid Organs	-
Total	7 lectures	6 lectures	
Fourth week	Physiology	- DISCUSSION	-
	Pathology	- Neoplastic diseases of WBCs-1 - DISCUSSION	- Neoplastic proliferation of WBCs-2 - Neoplastic proliferation of WBCs-3
	Pharmacology	- Drugs used in Thromboembolic Diseases-2 - DISCUSSION	- Antimalarial drugs - Antiviral drugs
	Microbiology	- DISCUSSION	- Viral diseases in the hematolymphatics-1 - Viral diseases in the hematolymphatics-2
	Biochemistry	- DISCUSSION	-
	Clinical	-	- Case discussion
Total	2 lectures & 5 discussion sessions	7 lectures	