

HEMATOLOGY 2013

Department of Medical Laboratory Science and Biotechnology

College of Medicine, National Cheng Kung University

(9/10/2013 updated)

Date	Lecture	Laboratory	Teacher	TA
9/16 (W1)	Introduction to hematology		徐麗君	
9/18 (W3)	Blood collection and anticoagulants		徐麗君	
9/25 (W3)	Hematopoiesis		徐麗君	
9/30 (W1)	Erythrocytes		黃溫雅	
10/1 (W2)*	Hemoglobin		黃溫雅	
10/2 (W3)	Quantitative and morphologic evaluation of erythrocytes		黃溫雅	
	Quiz 1	1. Check in 2. Blood collection (Video)	徐麗君	乃維、紹含、洪齊
10/4 (W5)	Defect of erythropoiesis		黃溫雅	
10/9 (W3)	Quiz 2	1. Skin puncture 2. Hct (Micro-method) 3. Hb (Cyanmethemoglobin method)	徐麗君	慧卿、紹含、洪齊、慧軒
10/11 (W5)	Hemolytic anemia		黃溫雅	
10/14 (W1)	Special tests for anemia diagnosis		黃溫雅	
10/16 (W3)		1. Skin puncture 2. Hb (Shali method) 3. WBC & RBC count 4. RBC indexes	徐麗君	洪齊、慧卿、紹含、家儀
10/18 (W5)		1. Venipuncture 2. ESR 3. Automatic cell count 4. Reticulocyte count	徐麗君	慧琳、家儀、紹含、乃維
10/23 (W3)	<i>Presentation & discussion (I)</i>		黃溫雅/徐麗君	
10/25 (W5)		1. Hb electrophoresis 2. HbF determination	黃溫雅	漢雅、庚酉、玉琳、純怡
10/28 (W1)	Leukocytes		楊孔嘉	
10/30 (W3)		1. Osmotic fragility test 2. Observation of RBC morphology	黃溫雅	漢雅、庚酉、玉琳、純怡
11/1 (W5)	First exam		徐麗君	柏源
11/4 (W1)	Benign leukocyte disorders		楊孔嘉	
11/6 (W3)	Laboratory evaluation of leukocytes: morphology		楊孔嘉	

11/8 (W5)	Laboratory evaluation of leukocytes: cytochemical stain	楊孔嘉	
11/11 (W1)	Laboratory evaluation of leukocytes: immunophenotyping	楊孔嘉	
11/13 (W3)	Quiz 3	1. Blood smear preparation & staining 2. Differential count 3. Morphology observation (Demo)	楊孔嘉 雪芬、紹含、庚酉、漢雅
11/15 (W5)		1. Eosinophil count 2. LAP score 3. Morphology observation	楊孔嘉 洪齊、雪芬、慧琳、純怡
11/18 (W1)	Hematological malignancy (I)	陳彩雲	
11/20 (W3)		1. NSE stain 2. NASD-CAE stain 3. Morphology observation (Demo)	楊孔嘉 漢雅、庚酉、雪芬、乃維
11/22 (W5)		1. Peroxidase stain 2. PAS stain 3. Morphology observation 4. Flow cytometry	楊孔嘉 洪齊、家儀、慧軒、乃維 佩汝
11/25 (W1)	Hematological malignancy (II)	陳彩雲	
11/27 (W3)	Molecular diagnostics in hematology <i>Presentation & discussion (II)</i>	陳怡伶 楊孔嘉	
11/29 (W5)	Lymphoma	陳雅萍	
12/4 (W3)	Second exam	楊孔嘉	柏源
12/6 (W5)	Thrombocytes and vasculature	徐麗君	
12/9 (W1)	Blood coagulation	傅子芳	
12/11 (W3)	Fibrinolysis and anticoagulation	傅子芳	
12/13 (W5)	Quiz 4	1. Platelet count 2. Platelet aggregation test	徐麗君 慧琳、慧軒、玉琳、慧卿
12/16 (W1)	Hemostasis testing (I)	徐麗君	
12/18 (W3)	Hemostasis testing (II)	傅子芳	
12/20 (W5)		1. Bleeding time 2. Tourniquet test 3. Coagulation time	徐麗君 慧琳、玉琳、慧軒、柏源
12/23 (W1)	Bleeding disorder due to vascular and platelet abnormalities	陳彩雲	
12/25 (W3)		1. Prothrombin time 2. APTT 3. Thrombin time	徐麗君 慧卿、慧軒、漢雅、純怡

12/27 (W5)	1. PT dilution curve	傅子芳 慧琳、柏源、家儀
	2. Heparin neutralization assay	
12/30 (W1) Disorders of coagulation and fibrinolysis		陳彩雲
1/3 (W5)	1. Clot retraction time	傅子芳 洪齊、慧卿、慧琳
	2. Euglobulin clot lysis time	
1/6 (W1) <i>Presentation & discussion (III)</i>		傅子芳
1/8 (W3)	1. Plasma recalcification test	傅子芳 漢雅、乃維、雪芬
	2. Clot solubility test	
1/10 (W5)	Laboratory review	楊孔嘉 雪芬、玉琳
1/13 (W1)	Check out	徐麗君 家儀、庚酉
1/15 (W3) Laboratory exam		黃溫雅/楊孔嘉/傅子芳/徐麗君
1/17 (W5) Final exam		徐麗君 柏源

Course Coordinator:

徐麗君 TEL: 5765

Time:

Monday Lecture: **10:10-12:00 AM**
Tuesday* Lecture: **3:10-5:00 PM**
Wednesday & Friday Lecture: **1:10-3:00 PM**
Laboratory: **1:10-6:00 PM**

Grading policy:

Lecture	Quiz & presentation	20%
	First exam	30%
	Second exam	30%
	Final exam	30%
Laboratory	Pretest	10%
	Performance	20%
	Report	30%
	Exam	40%

Textbooks:

Clinical Hematology: Theory and Procedures, 5th Edition; by Mary L. Turgeon
Atlas of Hematology, 2nd Edition; by S. C. Anderson Young and K. B. Poulsen