



COURSE SPECIFICATION

(Clinical Pathology-HEM 530)

Faculty of Medicine- Mansoura University

(A) Administrative information

(1) Programme offering the course.	Postgraduate Master degree of clinical hematology/HEMA 500
(2) Department offering the programme.	Internal Medicine Department
(3) Department responsible for teaching the course.	Clinical Pathology Department
(4) Part of the programme.	First part
(5) Date of approval by the Department`s council	26/04/2016
(6) Date of last approval of programme specification by Faculty council	9\8\2016
(7) Course title.	Clinical Pathology
(8) Course code.	HEM 530
(9) Total teaching hours.	7.5 hours
(10) Credit hours	0,5 credit hour

(B) Professional information

(1) Course Aims:

The broad aims of the course are as follows.

- 1- To educate candidate the basics of plasma protein disorders.
- 2- To educate the candidate the analysis of CSF & its value at hematological malignancies.
- 3- To educate the candidate liver function & kidney functions tests.

(2) Intended Learning Outcomes (ILOs):

Intended learning outcomes (ILOs); Are four main categories: knowledge & understanding to be gained, intellectual qualities, professional/practical and transferable skills.

On successful completion of the course, the candidate will be able to:

A- Knowledge and Understanding

A1: To identify different types of plasma proteins, liver and kidney function tests.

A2: To classify tumor markers and its importance in prognosis of hematological malignancies as NHL, HL, acute leukemia and plasma cell disorders and follow up of treatment response.

A3: To describe Cerebrospinal fluid components and its value in cases of acute leukemia, and lymphoma.

B- Intellectual skills

B1: To correlate clinical information with laboratory, flow cytometry, cytochemical studies, and cytogenetic and immunodiagnostic techniques.

B 2: To interpret the results of blood smears, bone marrow aspiration, and biopsy.

D- Communication & Transferable skills

D1: To participate in a multidisciplinary case management conference or discussion.

(3) Course content:

Subjects	Lectures	Clinical	Laboratory	Field	Total Teaching Hours
(3) Plasma proteins disorder	1h				
(4) Serum enzyme test in diagnosis.	1h				
(5) Investigations of Liver Functions	1h				
(6) Investigation of Kidney functions <ul style="list-style-type: none"> • Tubular Function tests • Glomerular function tests • Blood Estimates • Urine analysis • Laboratory findings in kidney disease 	1h				
(7) Acid base balance	1.5h				
(9) Tumor markers	1h				
(10) Cerebrospinal fluid	1h				
	7.5h				Lect. : 7.5h

(4) Teaching methods:

- 4.1. Power Point presentation.
- 4.2. Case discussion.

(5) Assessment methods:

- 5.1. Written and MCQ exams for assessment of knowledge and intellectual ILOs
- 5.2. Oral exam for assessment of knowledge, transferable and intellectual ILOs
- 5.3. MCQ exam for assessment of knowledge and intellectual ILOs

Assessment schedule:

Assessment 1: Final written and oral exam after 6 months of registration to the degree

Assessment 2: MCQ at the end of the semester

Percentage of each Assessment to the total mark.

MCQ exam: 12 marks.

Written exam: 48 marks.

Oral exam: 40 marks.

(6) References of the course:

6.1: Hand books: Guide to Clinical Pathology, Faculty of Medicine, Mansoura University.

6.2: Text books: Clinical Hematology Theory and Procedures, Interpretation of Diagnostic Tests Jacques Wallace.

(7) Facilities and resources mandatory for course completion:

-Lectures Halls.

-Data show.

-Equipped Laboratory.

Course coordinator: Prof. Sameh Shamaa

Prof. Mohamed Nasr Mabed

Prof. Emad Azmy

Head of hematology unit: Prof. Mohamed Nasr Mabed

Head of the department: Prof. Salah El-Gamal

Date of 1st approval: 22/12/2010

Date of last approval: 30/3/2016