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# Course Specifications of Clinical pathology for Md degree in Paediatrics Hepatology

1. Program Title: MD degree in pediatrics hepatology
2. Minor/major element of the program: minor
3. Department offering the program: Pediatric hepatology department
4. Department offering the course: Clinical pathology Department
5. Academic year/level: First part

## A. Basic Information

Title: Clinical pathology for MD degree in paediatrics hepatology

Total hours:

Total hours	Tutorial/clinical	Practical	Lectures
15 hours			15 hours

## B. Professional Information

### 1. Course aims:

The aim of this course is to provide the student with the basic clinical pathology knowledge and skills essential for the practice of Pediatric hepatology specialty and necessary to gain further training and practice in the field of Pediatrics hepatology .

### 2. Intended Learning Outcomes of Course (ILOs)

#### a) Knowledge and Understanding:

By the end of the course, the student is expected to be able to:

a.1 Describe the common diagnostic and laboratory techniques necessary to establish diagnosis of common pediatric hepatobiliary diseases.

#### b) Intellectual Skills

By the end of the course, the student is expected to be able to:

b.1 Interpret data acquired through laboratory tests to reach a provisional diagnosis for pediatric hepatobiliary problems .

b.2 Select from different diagnostic laboratory tests the ones that help reaching a final diagnosis for pediatric hepatobiliary problems.

b.3 link between knowledge for professional problem solving .

b.4 Identify different pediatric hepatobiliary problems and find solutions for them based on proper understanding and evaluation of laboratory tests results.

### c) Professional and Practical Skills

By the end of the course, the student is expected to be able to:

c.1 understand and evaluate laboratory tests reports.

### d) General and Transferable Skills

By the end of the course, the student is expected to be able to:

d1. Communicate effectively by different types of effective communication .

d2. Use appropriate computer program packages and the internet to serve the development of professional practiced3. Assess himself and identify his personal learning needs.

d4. Use of different sources for information and knowledge.

d5. Manage time effectively .

d6. Maintain Continuous self-learning.

## 3- Contents

Tutorial/Practical	Lecture	No. Of hours	Topic
	1	1	Introduction to diagnostic testing
	3	3	Blood studies : Hematology and coagulation
	1	1	Urine studies
	1	1	Stool studies
	1	1	Cerebrospinal fluid studies
	1	1	Clinical chemistry studies
	1	1	Microbiological studies
	1	1	Immunodiagnostic studies
	15	15	Total

## :Teaching methods – 4

.4.1 Lectures

4.2. Attending and participating in scientific conferences, workshops and thesis discussions. (To acquire the general and transferable skills)

## **5- Methods of Students assessment:**

.5.1 Research assignments (to assess intellectual skills & general and transferable

skills)

5.2. Final written exam , includes:

- Short assay (to assess knowledge and understanding)

5.3. Final oral exam , includes:

- Structured oral exam (to assess knowledge and understanding)

### **Assessment Schedule**

Assessment 1	Research assignments	Week : 16 - 20
Assessment 2	Final written exam	Week : 22 - 24
Assessment 3	Final oral exam	Week : 22 – 24

### **Weighting of Assessments**

Assessment 1	Research assignments	Formative-only
Assessment 2	Final written exam	70 %(degree from 150)
Assessment 4	Final oral exam	30%(degree from 50)
Total		100 %

## **6- List of References**

### **-6.1 Course Notes**

Lecture notes prepared by the staff members in the department.

### **6.2- Essential Books (Text Books)**

Manual of laboratory and diagnostic tests , 2002

### **6.3- Recommended Books**

Essential hematology , 2006

Tids ,Clinical chemistry 2006

### **6.4- Periodicals, Web Sites,**

American Journal of hematology

Journal of clinical chemistry

Websites :

<http://www.ncbi.nlm.gov/>

[www.Findarticle.com](http://www.Findarticle.com)

[www.Freemedicaljournals.com](http://www.Freemedicaljournals.com)

## **7- Facilities Required for Teaching and Learning**

### **-1 Adequate infrastructure:**

Including teaching places, comfortable desks, good source of aeration, bathrooms, good illumination, safety and security tools.

### **2- Teaching tools:**

Including screens, computers, data show, projectors, flip charts, white boards

**, Program coordinator:** Prof. Dr. Ahmed El sharowy

**Dean:** Prof. Dr. Magdy Khalil

**Head of Quality Assurance Unit:** Dr . wessam saber morad