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Course Specification of Applied Pathology for Hepatology medicine master

A- Administrative information:

Course title: Applied Pathology

Code: HEPT715

Department giving the course: Pathology department

Program on which the course is given: Master degree in Hepatology
Medicine

Department offering the Program: Hepatology Medicine department

Semester: 1st semester

Date of specification: 2011

Date of approval by department and Institute council: 2011

B- Professional information:

1. Overall aims of course:

a. To familiarize students with the basic disease patterns including definition, etiology, morphologic changes in GIT system including liver diseases in addition to their fate and complication .

b. To provide students with essential knowledge for gross and microscopic changes in different diseases affecting hepatobiliary system for understanding and interpreting pathological reports.

2. Intended learning outcomes (I.L.OS):

a- Knowledge & understanding:

a1. Identify the principals of general pathology (cell injury, inflammation, tissue repair, homeodynamic, cellular dysplasia , neoplasia... etc) and explain different disease processes occurring in GIT system including hepatobiliary system.

causes (etiology), and how the disease develops in response to the etiologic agents (pathogenesis) together with infectious diseases .

a2. Describe and discuss characteristic gross and microscopic pictures of different pathologic lesions within those organs and the associated functional disturbances.

a3. Determine the fate and complications of different disease processes.

b- Intellectual Skills

b1. Recognize gross and microscopic pictures aiming at reaching the correct diagnosis.

b2. Predict the diagnosis of different diseases affecting liver based on the underlying gross and microscopic pictures.

c-Professional and Practical Skills

- c1.** Employ the different diagnostic pathological tools
- c2.** Interpret a pathology report in an accurate manner.

d-General and Transferable Skills

- d1.** Search for the recent medical information and continued progress in medical sciences.
- d2.** Express freely and adequately themselves by improving descriptive capabilities and communication skills.
- d3.** Respond appropriately according to the seriousness of pathologic diagnosis in acceptable manner.

3- Contents:

- *Cellular adaptation, cell injury and cell death
- *Acute and chronic inflammation
- *Tissue renewal and repair: regeneration, healing and fibrosis.
- *Hemodynamic disorders, Thromboembolic disease and shock.
- *Genetic disorders.
- * Neoplasia
- *Infectious diseases
- *Environmental and nutritional pathology.
- *Diseases of infancy and childhood.

2- SYSTEMIC Pathology:

- * Diseases of the GIT.

3- JARS

| Topic | Theoretical hours | Laboratory/ Practical | Total |
|-------------------------------|--------------------------|------------------------------|--------------|
| 1- General Pathology | 4 | 3 | 7 |
| 2-Systematic Pathology | 4 | 3 | 7 |
| 3- JARS | 3 | 3 | 6 |

| | | | |
|--------------------|----|---|----|
| Total hours | 11 | 9 | 20 |
|--------------------|----|---|----|

4. TEACHING & LEARNING METHODS:

- 4.1- Lectures
- 4.2- Practical classes

5. STUDENT ASSESSMENT METHODS:

- 5.1- Written Examination for assessment of knowledge and understanding and intellectual skills
- 5.2- Oral Examination for assessment of knowledge and understanding outcomes, intellectual skills, general skills and attitude.
- 5.3- Practical Examination for assessment of practical and intellectual skills

ASSESSMENT SCHEDULE:

One written exam 3 hour in Applied Pathology(150 marks) + oral exam(50 mark)

WEIGHING OF ASSESSMENT:

Written exam: 75%
Oral exam: 25%
Total: 100%

6- LIST OF REFERENCES:

- 6.1- Course notes:
Staff member's color atlas of gars.
- 6.2- Essential books:
 - o Kumar, Cotran & Robbins: Recommended text book : Basic Pathology.
 - o Macfarlane, Reid & Callender: Illustrated Pathology Lectures.
 - o CDs available at the department on request.
 - O Diagnostic histopathology: Fletcher.
- 6.3- Recommended web sites:
 - o <http://www.pathmax.com>
 - o <http://www.medlib.med.utah.edu/webpath/labs/labmenu.html>
 - o <http://www.medscap.com/pathologyhome>
 - <http://www.qwumc.edu/dept/path/2f.htm>

7- Resources / Facilities required for teaching and learning to achieve the above

ILOs:

7.1- Data show.

7.2- Computers

7.3- Laboratories instruments.

7.4- Internet club.

We verify that all of the information required to deliver this program is contained in the above specification and will be implemented. All course specification for this program is in place.

Program coordinator:

Name: Prof Dr, Nermeen Ehsan