COURSE SPECIFICATION

(Elective course: GIT and hepatopathology)

Faculty of Medicine– Mansoura University

(A) Administrative information

(1) Programme offering the course:	Postgraduate PhD degree of Pathology
(2) Department offering the programme:	Pathology department
(3) Department responsible for teaching the course:	Pathology department
(4) Part of the programme:	Second part
(5) Date of approval by the Department`s council	26/7/2016
(6) Date of last approval of programme specification by Faculty council	9/8/2016
(7) Course title:	Elective course GIT and hepatopathology
(8) Course code:	PATH 605 GIP
(9) Total hours:	5 credit hours
(10) Total teaching hours:	75 hours

(B) Professional information

Course Aims:

1-To aquire detailed informations about non neoplastic GIT and Liver diseases, their pathogenesis, morphologic features , prognosis, fate and complications

2-To provide molecular background for non neoplastic GIT and Liver diseases

3-To clarify molecular pathogenesis for for GIT and Liver tumors

4-To enhance ability to differentiate tumors based on morphologic features, and immunohistochemical features

5-To support implementation of different ancillary diagnostic techniques for approaching diagnosis in problematic cases

6-To help correlating pathologic parameters to prognosis and therapy

7- To support applying and integrating data for problem solving in tissue biopsy as well as cytology

8- To help identification of different disease in GIT and liver

9-To provide the skill for intrepration of GIT endoscopic and liver biopsies

10-To guide applying grading and staging of GIT and liver tumors

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: Identify altered structure and function of GIT and liver that are seen in various diseases; definition, etiology, pathogenesis, prognosis, fate & complications of such diseases.

A2: Describe the morphological features of different types of tumors in GIT and liver .

A 3: Classify tumors of GIT and liver. Gradding and staging according to the recent WHO classification

A4: Describe and discuss characteristic morphological pattern (macroscopic and microscopic) of different pathologic lesions within GIT and liver and their underlying pathogenesis and molecular basis

A5: To identify recent advances in pathology processes and relate structural and functional changes and the associated clinical manifestations

B- Intellectual skills

B1: Interpret findings of pathological specimens effectively

B2: Analyze various gross and microscopic pathologic data resulting from the disease process.

B3: Enlist the differential diagnosis of various gross and microscopic pathologic features to reach proper evidence based diagnosis.

B4: Relate the clinical data, investigational data and patient history to reach proper pathologic diagnosis with proper time managing.

B5: Analyze different problems of misdiagnosis.

B6: Discuss problematic cases with senior staffs and supervisors to improve professional performance.

D- Communication & Transferable skills

D1: Present adequately themselves by improving descriptive capabilities and communication skills and respond positively to feedback.

D2: Respect ethical relationship with staff and ethics in research.

D3: Present attitudes that will maximize their educational experiences via continous search in data base and lifelong learning.

D4: Work in inter-professional teams

Course content

I-GIT(esophagus, stomach, intestine, anus, appendix,)

A: Non neoplastic diseases(1 credit hour; 15 teaching hours)

1-Congenital anomalies

2-Inflammatory diseases

3-Pathology of GIT ulcers

4-Polyps of GIT

5-Menetrier disease and Zollinger –Ellison syndrome

6-Malabsorption syndrome

7-Intestinal obstruction

8-Vascular diseases

9- Diverticular disease

B: Tumors and tumor like conditions(1 credit hour; 15 teaching hours)

1-Epithelial
2- Stromal
3-Lymphoid
4-Neuroendocrine
5-Metastatic
7-Other tumors

LIVER PATHOLOGY

A: Non neoplastic lesions(2 credit hours; 30 teaching hours)

1-Hepatitis

2-Cirrhosis

3-Drug induced and toxic liver injury

4-Steatosis and steatohepatitis

5-Cholestasis and biliary diseases

6-Metabolic diseases

7-Childhood inborn errors of metabolism

8-Fibropolycystic diseases

9-Vascular disorders

10-Disorders of iron and copper metabolism

11-Liver disease in pregnancy

12- Liver affection in different systemic diseases

13-Liver pathology in organ transplantation

14-Nodular regeneration

15-Ecchinococcus cyst

16-Abscess

17-Heterotopia

18-Pathology of gall bladder stones

19-Inflammatory lesions of gall bladder

20-Handling and processing of liver biopsy

B: Tumors(1 credit hour; 15 teaching hours)

1-Liver cell tumors and tumor like lesions

2-Bile duct tumors and tumor like lesions

3-Mesenchymal tumors and tumor like lesions

4-Lymphoma and related lesions

5-Other primary tumors and tumor like lesions

6-Gall bladder tumors

7-Metastatic tumors

Assessment schedule:

- Final written exam with total of 80 marks
- MCQ continuous assessment of 20 marks

Other assessment without marks:

1-Attendance Criteria: Minimum acceptance attendance in each course is 75%

2- Log book should be fulfilled and signed by Head of the department

References of the course:

6.1: **Hand books:** Course notes: Book authorized by department

6.2: **Text books:** Rubbin's text book of pathology, Ackerman's surgical pathology, Sternberg's surgical pathology & Soft tissue tumors

6.3: **Websites:**

– http://www.pathmax.com

- United States and Canadian Academy of Pathology (USCAP): http://www.uscap.org/

- The Royal Collage of pathologists: http://www.rcpath.org/

Facilities and resources mandatory for course completion:

□ Lecture halls and data show

□ Pathology labs. in various Mansoura university medical centers□

□ Pathology Archives of slides and tissue for problematic cases

□ Extensive library and other learning resources

□ Computer laboratories with a wide range of software

□ Internet with a wide range of learning support materia

Course coordinator: **Dr. Reham Nagib**

Head of the department: **Prof. Dr. Khaled Zalata**