Course Specification of Surgical pathology for master of Hepatobillary Surgery

A- Administrative Information

Course Title: Surgical pathology.
Code: SURG H 719.
Department giving the course: Hepatobillary Surgery Department.
Program(s) on which the course is given: Master of Hepatobillary surgery.
Department(s) offering the program: Hepatobillary Surgery.
Date of specification/revision: 2011.
Date of approval by Departmental and NLI Council: 2011.

B-Professional Information

1 – Overall aims of course:

☐To provide the student with the knowledge, and skills that enable him/her to identify, analyze, manage and/or refer clinical problems in order to provide efficient, cost effective and humane patient care.
5. To provide the student with an appropriate background covering the common and/or important surgical emergencies.
6. To teach the students the value of teaching the patient & their family members the overall outcome, expected complication, role of rehabilitation & the value of feedback & communication with their doctors.

2 – Intended learning outcomes of course (ILOs):

A- Knowledge and Understanding:

By the end of the course, the student should be able to:
A1. Discuss the clinical manifestations, complications and pathology of common
and/or important surgical problems.
A2. Determine the appropriate diagnostic tools and pathological examination for
the most important surgical disorders including applicable recent modalities.
A3. Explain the theoretical, pathological base & clinical knowledge, diagnosis &
management of surgical patient based on the pathological and clinical pathways.
A4. Know the recent advances in surgical pathology field.

C- Intellectual skills:

By the end of the course, the student should be able to:
B1. Utilize sources of information especially the pathological report and its included
data.
B2. Combine the clinical and investigational results, with the knowledge of its
pathological base.

B3. Interpret the results of commonly used pathologic diagnostic procedures, for
proper management plan.

C- Professional and practical skills:

By the end of the course, the student should be able to:
C1.Read and evaluate a complete pathological report.

C2. Select the most appropriate and cost-effective diagnostic tool for each surgical
problem.
C3. Apply the principles of sterile techniques and infection control guidelines within
certain techniques as needle aspiration and true cute biopsies.

D- Attitude:

By the end of the course, the student should be able to:
D1. Communicate, consult and respect the role of other health-care providers.
D2. Work effectively and cooperatively in a team (vascular surgeon, radiologist, pathologist, & medical physician).
D3. Acquire attitudes necessary for the achievement of high standards of medical practice both in relation to care of patient and to his or her own personal development.
D4. Formulate a focused clinical question based on real or hypothetical case,
search effectively medical literature using electronic resources and retrieve appropriate information.
D5. Treat the patient as a person, respecting his confidentiality and deliver care in an honest, considerate and compassionate manner.
D6. Maintain a professional image, and practice a responsible attitude.
D7. Discuss professional errors in an honest way, Morbidity & mortality, as well as Interdepartmental vascular board meetings.

Content:

□General pathology:

- **Acute and chronic inflammation.**
- **Tissue repair and wound healing.**
- **Hemodynamic disorders, thrombosis and shock.**
- **Genetic disorders**
- **Neoplasia.**
- **Immunity**
- **Infectious diseases.**
- **Diseases of childhood and infancy.**

□Special pathology:

1. **Head and neck.**
2. **Lymph nodes, spleen and thymus.**
3. **Gastrointestinal tract.**

4. Liver and the biliary tract.
5. Pancreas.
6. Male genital system.
7. Female genital system.
8. Breast.
9. Endocrine system.
10. Skin.
11. Bone, joints and soft tissue tumors.
12. Kidney and the lower urinary tract.
13. lung
14. Blood vessels (DVT, CVI, atherosclerosis).
15. Peripheral nerves and skeletal muscles.

Topic	Theoretical hours	Laboratory/ Practical	Total
General pathology: Acute and chronic inflammation. Tissue repair and wound healing. Hemodynamic disorders, thrombosis and shock. Genetic disorders. Neoplasia. Immunity. Infectious diseases. Diseases of childhood and infancy.	**8**	**5**	**13**
Special pathology: **1. Head and neck.** **2. Lymph nodes, spleen and thymus.** **3. Gastrointestinal tract.** **4. Liver and the biliary tract.** **5. Pancreas.** **6. Male genital system.** **7. Female genital system.** **8. Breast.** **9. Endocrine system.** **10. Skin.** **11. Bone, joints**	**1** **1** **1** **1** **1** **1** **1** **1** **1** **1** **1** **1** **1** **1**	**1** **1** **1** **1** **1** **0.5** **0.5** **0.5** **0.5** **0.5** **0.5** **0.5** **0.5** **0.5**	**2** **2** **2** **2** **2** **1.5** **1.5** **1.5** **1.5** **1.5** **1.5** **1.5** **1.5** **1.5**

and soft tissue tumors. **12. Kidney and the lower urinary tract.** **13. lung** **14. Blood vessels (DVT, CVI, atherosclerosis).** **15. Peripheral nerves and skeletal muscles.**			
Total hours	**23**	**15**	**38**

3– Teaching and learning methods:

3.1 Clinical demonstration.

3.2 Bedside teaching.

3.3 Staff rounds with active participation of students for clinical, ethical, and
communicational skills.

3.4 Problem-solving sessions.

4- Student assessment methods

4.1 Written exams to assess knowledge and intellectual skills **to assess** (A1-A4, B1-B3).

4.2 Oral exams to assess knowledge and intellectual skills **to assess (**A1-A4, B1-B3).

5- Assessment schedule

Assessment 1 Final written examination by the end of the course.

Assessment 2 Final Oral examination by the end of the course.

6- Weighting of assessments

Final-term examination 50 %

Oral examination 50%

Total 100%

7- List of references:

7.1- Essential books (text books)

Kasr El-Aini Introduction to Surgery.

Bailey and Love's Short Practice of Surgery(available in library).

7.2- Recommended books

Robbin`s review of pathology.

DIPLOMA Anderson, principles of surgical oncology

Current Surgical Diagnosis and Treatment,

7.3- Periodicals, Web sites, etc

www.emedicine.com

8- Other Resources / Facilities required for teaching and learning to achieve the above ILOs:

Overhead projectors -

- Computers and Data show

9- We certify that all of the information required to deliver this courts is

contained in the above specification and will be implemented.

Course coordinator:
Name: Prof. Dr. Khaled Abo- Ela
Head of Department of General Surgery:
Name: Prof. Dr. Prof. Dr. Khaled Abo- Ela

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