

# *Program and Courses*

## *Specifications of MD Hepatobillay Surgery*

*Department of Hepatobillary Surgery  
National institute of Liver Menoufia University*

### *Hepatobillay Course specification OF Surgery*

#### **A -Administrative Information**

*Hepatobillay Surgery* :Course Title

*Hepatobillay Surgery* Department of :**Department giving the course**

**Program on which the course is given** :MD. Of *Hepatobillay Surgery*

**Department offering the program**: Department of *Hepatobillay Surgery*

**Semester**: 2<sup>nd</sup>

**Coordinator**: Dr-Khaled Abo ELa

**Date of most recent approval of program specification by the institute council**: 2011

#### **B-Professional Information**

##### **(1) Program Aims:**

1. To provide the student with the knowledge, and skills that enable him/her to identify,analyze, manage and/or refer clinical surgical problems in order to provide efficient, cost effective and humane patient care.
2. To provide the student with an appropriate background covering the common and/or important surgical emergencies.

## **(2) Intended Learning Outcomes (ILOs) for program:**

### **a- Knowledge and Understanding**

*By the end of the general surgery course, the student will be able to:*

- a1. Define different general surgical diseases as, Oncology, Pediatric, GIT and Plastic disorders.
- a2. Explain different causes of general surgical diseases as congenital, traumatic, inflammatory and malignancies.
- a3. List different diagnostic methods of general surgical diseases as laboratory, radiological, endoscopies and diagnostic aspirations.
- a4. Describe different treatment modalities of general surgical diseases as procedures and operations either conventional or minimally invasive.
- a5. Define the ethical and legal principles of medical practice.
- a6. Appraise the principles of quality assurance in medical practice.

### **b. Intellectual skills:**

- b1. Analyze different general surgical symptoms and signs as pain, fever, swelling and constipation.
- b2. Solve common surgical problems using available data.
- b3. Interpret different general surgical investigations as chest x-ray, CT abdomen & pelvis, barium studies and angiography.
- b4. Evaluate different treatment options as procedures and surgical either conventional or minimally invasive.
- b5. Suggest the most appropriate management option according to different situations.
- b6. - Evaluate risks in his medical practice

### **c. Professional skills:**

- c1. Diagnose the common general surgical diseases and operable malignancies.
- c2. Design management plans for the common general surgical cases as congenital defects, traumatic injuries, and malignancies.
- c3. Perform different procedures in general surgical diseases as ryle insertion, urinary

catheterization and abscess drainage.

c4. Perform different surgical operations in different general surgical disorders.

c5. Write and evaluate relevant professional medical report and referral letters.

c6. Evaluate medical methods and tools used in his specialty

#### **D- General & transferable skills:**

By the end of the program, the student should be able to:

##### **d. General and transferable skills:**

d1. Perform self evaluation and specify his medical educational needs.

d2. Use different learning resources to get knowledge and information to improve his practice..

d3. .Communicate effectively and sensitively with patients and colleagues.

d4. Practice team's leadership in various professional contexts.

d5. Develop rules and indicators for assessing the performance of others

d6. Work coherently and successfully as a part of a team

#### **:Academic Standards -3 :Academic Standards (3)**

of Medical MD a- The Academic Reference Standards(ARS) Menoufia3

Surgery Academic Reference standards (Annex 1 ):for this

program were compiled according to the general Academic Reference Standards provided by the

national authority for quality assurance and accreditation of education (naqaae) for postgraduate

programs(published on February 2009). This program ARS were approved council on by the NLI

2011. decree NO. 45 2011/

.( b. Comparison between ARS and ILOS of the program (Annex 23

## Curriculum Structure and Contents -4

a- Program duration (credit hours) : 48 hours.4

:b- Program structure.4

:b- Program structure.4

hours 48 :No. of hours

### Curriculum Struct (4)

<b>Second part</b>	1-Hepatobilliary Surgery	2	2	
	2-Surgical Pathology	2	2	
	3-Practical course in Hepatobilliary Surgery			
	4- Diagnostic Imaging ( Radiology- Endoscopy)			
<b>Log book</b>				3
<b>Thesis</b>				6
<b>Total</b>				<b>36</b>

## Course Specification of general surgery for Hepatobilliary master of Surgery

### A- Administrative Information

**Course Title:** general surgery

**Code:** SURG H 718

**Department giving the course:** Hepatobilliary surgery department

**Course on which the course is given:** Master of Hepatobiliary surgery.

**Department offering the course:** Hepatobiliary surgery department

**Semester:** 2<sup>st</sup> part

**Date of approval by Departmental and NLI Council:** 2011

## **B- Professional Information**

### **1 – Overall aims of course:**

1. To provide the student with the knowledge, and skills that enable him/her to identify,

analyze, manage and/or refer clinical surgical problems in order to provide efficient, cost

effective and humane patient care.

.2To provide the student with an appropriate background covering the common and/or

important surgical emergencies.

3. To enable the development and application of appropriate professional attitude, ethical

principles and communication skills.

4. Intended Learning Outcomes (ILOs) for course

### **– 2Intended learning outcomes of course (ILOs:(**

#### **A- Knowledge and Understanding:**

By the end of the course, the student should be able to:

By the end of the course, the student should be able to:

A1. Discuss the clinical manifestations, complications and diagnostic modalities for common

and/or important surgical problems, with special emphasis on emergencies and

malignancies.

A2. Determine the appropriate diagnostic tools and therapeutic lines for the most important

surgical disorders including applicable recent modalities.

A3. Explain the theoretical & clinical knowledge, diagnosis & management of trauma.

A4. Define the ethical and legal principles of medical practice.

A5. Appraise the principles of quality assurance in medical practice..

### **B- Intellectual skills:**

By the end of the course, the student should be able to:

B1. Utilize sources of information like medical records, patient's family/friends to

augment medical history.

B2. Combine the clinical and investigational results, with the knowledge and the

skill in clinical problem solving.

B3. Interpret the results of commonly used diagnostic procedures.

### **C- Professional and practical skills:**

By the end of the course, the student should be able to:

- C1. Obtain, perform and document a complete medical history and physical examination.
- C2. Select the most appropriate and cost-effective diagnostic tool for each problem.
- C3. Suspect complications of major diseases beyond the capacities of general practitioner and determine when to refer them to specialist.
- C4. Apply the principles of sterile techniques and infection control guidelines.
- C5. Perform routine bedside procedures.

#### **D- General & transferable skills:**

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. Perform routine bedside procedures

.D3. Work effectively and cooperatively in a team

#### **Content-3**

- **Shock.**
- **Diabetes in surgery.**
- **Post-operative complication.**
- **Hydatid disease.**
- **Blood transfusion.**
- **Bleeding disorder.**

- **Carcinogenesis.**
- **Parathyroid gland.**
- **Lymphoma.**
- **Abdominal trauma.**
- **Acute abdomen.**
- **Paralytic ileus.**
- **Acute gastric dilatation.**
- **Abdominal swelling.**

· **Spinal cord lesions**

- **T.B.**
- **Fracture pelvis.**
- **Chest injury.**
- **Inguino-scrotal swelling.**
- **Abdominal Fistula.**
- **Breast.**
- **Maxillofacial injuries.**
- **DVT.**
- **Cyst.**
- **Aneurysms.**
- **Soft tissue tumors.**
- **Ischemia.**
- **Neck swelling.**

- **Vasospastic disorders.**
- **Varicose veins.**
- **Hand injuries.**
- **Brain tumors.**
- **Thyroid.**
- **Mediastinum.**
- **Organ Transplantation.**

· **Suprarenal gland.**

- **Vertebral column.**
- **Trachea.**
- **Retroperitoneal.**
- **Pain relief.**
- **Sterile procedure.**
- **Oesophagus.**
- **Cardiac arrest.**
- **Urinary retention.**

· **Multiple injured patients.**

<b>Topic</b>	<b>Theoretical hours</b>	<b>Laboratory/ Practical</b>	<b>Total</b>
Shock. Diabetes in surgery. Post operative complication.	<b>2</b>	<b>1</b>	<b>3</b>
Hydatid disease. Blood transfusion.	<b>2</b>	<b>1</b>	<b>3</b>
Bleeding disorder			
Carcinogenesis. Parathyroid gland. Lymphoma.	<b>2</b>	<b>1</b>	<b>3</b>
Abdominal trauma. Acute abdomen.	<b>2</b>	<b>1</b>	<b>3</b>

.Paralytic ileus			
Acute gastric dilatation.	<b>2</b>	<b>1</b>	<b>3</b>
Abdominal swelling. Spinal .cord lesion			
T.B. Fracture pelvis. Chest .injury	<b>2</b>	<b>1</b>	<b>3</b>
Inguino-scrotal swelling.	<b>2</b>	<b>3</b>	<b>5</b>
Abdominal .Fistula. Breast			
Maxillofacial injuries. DVT.	<b>2</b>	<b>1</b>	<b>3</b>
.Cyst			
Aneurysms. Soft tissue tumors.	<b>2</b>	<b>1</b>	<b>3</b>
Ischemia.			
Neck swelling.	<b>2</b>	<b>1</b>	<b>3</b>
Vasospastic disorders.			
Varicose veins			
Hand injuries.	<b>2</b>	<b>1</b>	<b>3</b>
Brain tumors.			
.Thyroid			
Mediastinum.	<b>2</b>	<b>1</b>	<b>3</b>
Organ			

Transplantation.			
.Suprarenal gland			
<b>Total hours</b>	<b>2</b>	<b>1</b>	<b>3</b>

#### **Teaching and learning methods –4**

#### **Teaching and learning methods –4**

.Clinical demonstration 4.1

.Bedside teaching 4.2

Staff rounds with active participation of students for clinical, ethical, 4.3  
and communicational

.skills

.Problem-solving sessions 4.4

.formal lectures. 4.5

#### **Student assessment methods -5**

Written exams to assess knowledge and intellectual skills to assess .5.1  
.(A1-A5, B1-B3

Oral exams to assess knowledge and intellectual skills to assess .5.2  
.(A1-A5, B1-B3

Practical and Clinical examinations to assess intellectual and .5.3  
.(Practical skills (C1-C5, B1-B3

#### **Assessment schedule**

Two written exam in general surgery (each 3 hours long)+clinical  
+ exam+ practical exam in operation

oral exam

## **Weighting of assessments**

% 60 Final-term examination

% 00 Oral examination 2

% 0 Clinical and practical examination 2

Total 100%

## **:List of references -6**

(Essential books (text books -6.1

.Kasr El-Aini Introduction to Surgery

Surgical note taking and diagnosis by Abdelazim Rifaat

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

Recommended books -6.2

,Current Surgical Diagnosis and Treatment

Periodicals, Web sites, etc -6.3

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

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

***Other Resources / Facilities required for teaching and learning to -7  
:achieve the above ILOs***

***Data show, internet clubs, skill lab. Instruments***

***We certify that all of the information required to deliver this courts is  
contained in the above***

***.specification and will be implemented***

***:Course coordinator***

***.Khaled Abo El-ela .Name: Dr***

***:Surgery Hepatobiliary Head of Department of***

***Khaled Abo El-ela :Name***