Course Specification of general surgery for Hepatobillary master of Surgery

A- Administrative Information

Course Title: general surgery
Code: SURG H 718
Department giving the course: Hepatobillary surgery department
Course on which the course is given: Master of Hepatobillary surgery.
Department offering the course: Hepatobillary surgery department
Semester: 2st 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.

2. To 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

2 – Intended learning outcomes of course (ILOs):

A- Knowledge and Understanding:

By the end of the course, the student should be able to:
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A1. Discuss the clinical manifesta□ons, complica□ons and diagnos□c modali□es 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 theore□cal & 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 physicalexamination.
C2. Select the most appropriate and cost-effective diagnostic tool for each
problem.
C3. Suspect complications of major diseases beyond the capacities of general
practioner 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.

3-Content

- **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.**

Topic	Theoretical hours	Laboratory/ Practical	Total
Shock. Diabetes in surgery. Post operative complication.	**2**	**1**	**3**
Hydatid disease. Blood transfusion. Bleeding disorder	**2**	**1**	**3**
Carcinogenesis. Parathyroid gland. Lymphoma.	**2**	**1**	**3**
Abdominal trauma. Acute abdomen. Paralytic ileus.	**2**	**1**	**3**
Acute gastric dilatation. Abdominal swelling. Spinal cord lesion.	**2**	**1**	**3**
T.B. Fracture pelvis. Chest injury.	**2**	**1**	**3**
Inguino-scrotal swelling. Abdominal Fistula. Breast.	**2**	**3**	**5**
Maxillofacial injuries. DVT. Cyst.	**2**	**1**	**3**
Aneurysms. Soft tissue tumors. Ischemia.	**2**	**1**	**3**
Neck swelling. Vasospastic	**2**	**1**	**3**

disorders. Varicose veins			
Hand injuries. Brain tumors. Thyroid.	**2**	**1**	**3**
Mediastinum. Organ Transplantation. Suprarenal gland.	**2**	**1**	**3**
Total hours	**2**	**1**	**3**

4– Teaching and learning methods

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4.1 Clinical demonstration.

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4.2 Bedside teaching.

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

4.4 Problem-solving sessions.

4.5 .formal lectures.

5- Student assessment methods

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

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

5.3. Practical and Clinical examinations to assess intellectual and 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

Final-term examination 60 %
Oral examination 20 %
Clinical and practical examination 20 %
Total 100%

6- List of references:

6.1- Essential books (text books)
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).
6.2- Recommended books
Current Surgical Diagnosis and Treatment,
6.3- Periodicals, Web sites, etc
www.mayoclinic.com
www.emedicine.com

7- Other Resources / Facilities required for teaching and learning to 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:
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Head of Department of Hepatobillary Surgery:
Name: Khaled Abo El-ela