

Course specification of anatomy For Hepatobiliary Surgery (Master)

**Menoufia University
National Liver Institute**

A. Administrative Information

Course Title: Anatomy & Embryology for Hepatobiliary surgery

Code: SURG H 711

Department giving the course: Anatomy & Embryology

Program(s) on which the course is given: Master of Hepatobiliary surgery

Department(s) offering the Program: Hepatobiliary surgery

Academic year/level: 1st part

Date of approval by Departmental and NLI Council: 2011

Credit hours : 2 h

Professional Information

1 – Overall aims of course:

- To provide a core body of student knowledge concerning the normal structure of human body at the level of the different bones of the body with the study of the normal growth and development relevant to anatomical topics.
- To produce medical graduates educated on board basis to enable them for further training, learning and practice.
- To deal efficiently with the patients depending on anatomical basis.

Intended learning outcomes of course (ILOs)

a- Knowledge and Understanding:

A1: Describe the basic anatomical principals of the structure and relations of the different parts of head and neck.

A2: identify the musculature blood supply & nerve supply of upper limb.

A3: Recognize anatomical principals of the structure of the breast .

A4: identify the musculature blood supply, nerve supply, lymphatic and important zones of lower limb of upper limb.

A5: Describe the basic anatomical principals of the structure and relations of the different parts of abdomen and pelvis.

A6: develop clear concept on the anatomy of thoracic cavity and its contents.

b- Intellectual skills

B1: Identify the different bones.

B2: Identify the muscles & structures related to each bone.

B3: Apply the anatomical facts to reach a proper diagnosis in the living subject.

B4: Interpret some clinical findings in relation to development basis.

c- Professional and practical skills

C1: Interpret the normal anatomical structures on radiographs (plain X- rays, C.T).

C2: Correlate the basic cross section anatomy with the available diagnostic imaging

d- General and transferable skills

D1: Be responsible towards work.

e- Attitude

E1: Maintain honesty & integrity in all relations colleagues and others with whom physicians must interact in their professional lives.

E2: Value the ethics and respect to all individuals.

E3: Be responsible towards work.

E4: Maintain a professional image concerning behavior.

3- Contents:

Topic	Theoretical hours	Laboratory/ Practical	Total
Muscles of the neck. - Triangle of the neck. - Cervical fascia and spaces. - Glands of head and neck. - Vasculature and lymphatics of head and neck	1	1	2
Muscles of limbs. - Vessels and nerves of upper limb. - Important zones of upper and lower limbs. - Vessels and nerves of lower limb.	1	1	2
- Anterior abdominal wall. - Surface anatomy of the abdomen. - Organs of abdomen and pelvis. - Vessels , nerves & lymphatic of abdomen and pelvis	1	1	2
Thoracic wall, pleura, pericardium	1	0.5	1.5

and Mediastinum .			
- Development and anomalies of the different organs of abdomen and pelvis - Development and anomalies of the head and neck.	2	0.5	2.5
Description of each bone, identification of its side & muscles attached to it.	1	1	2
Identify structures of head and neck on the cadaver.	1	1	2
Identify structures and organs of abdomen and pelvis on the cadaver	1	1	2
Develop knowledge about different joints	1	1	2
Radiological anatomy of head and neck. - Radiological anatomy of abdomen and pelvis.	1	1	2
Total hours	11	9	20

4- Teaching and learning methods

4.1 Lectures: for acquisition of knowledge

5- Student assessment methods

5.1final written and oral exams

Assessment schedule

One written exam for one and half hours long+ oral exam, at the end of the course.

Weighting of assessments

Final-term written examination 50 %

Oral examination 50%

Total 100%

6- List of references

6.1- Course notes

Series books of anatomy & embryology of Dr/Kamal Asad Ibrahim, Ain shams university

6.2- Essential books (text books)

- *Gray's anatomy for student.*
- *Langman's medical embryology "Sadler"*

6.3- Recommended books

- *clinical anatomy " Snell"*
- *Before we are born "Keith Moore"*

6.4- Periodicals, Web sites, etc

www.humananatomyonline.com

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

Overhead projectors, Computers, cadavers, Laboratories instruments, Internet club

We certify that all of the information required to deliver this course is contained

in the above specification and will be implemented

Course coordinator:

Prof. Dr. Fouad Kamal Mansour .

Head of Department of Anatomy and Embryology

Prof. Dr. Fouad Kamal Mansour