

Histology 1

Course Specifications

First year of M.B.B.Ch. Program

(2nd semester)

Histology 1

Course specifications:

Program (s) on which the course is given: M.B.B.Ch. program

Major Element of programs

Department offering the program: All Departments

Department offering the course: Department of Histology

Date of specification approval :3\2010

Date of modification: 11\2018

Academic year / Level: First year (2nd semester)

A- Basic information

2- Respiration & kidney (histology course), Code: RAK102

Credit hours/ week: - Lectures: 1 hours - practical: 1/2 hour

- Total: 11/2

Note: this course is given in integration with the corresponding course of physiology and anatomy.

B-Professional information

1-Overall aims

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

- Mention and describe the histology of the both the upper and respiratory tracts, olfactory epithelium, alveolar epithelium and blood air barrier.
- Mention and describe the histology of the kidney, urinary tract and associated glands, juxtaglomerular apparatus and glomerular filtration barrier.
- Describe different layers of the skin; epidermis, dermis and hypodermis. In addition to the histological structure of skin appendages.

2- Intended learning outcomes (ILOs)

A- Knowledge and understanding

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

A1-Define and describe the histology of both the conducting and respiratory portions of the respiratory system including the olfactory epithelium.

A2- Define and describe the histology of the uriniferous tubules and urinary passages.

A3-Describe different layers of the skin ; epidermis, dermis and hypodermis.

B-Intellectual skills

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

B1- Compare between the layers of both blood-air barrier & the blood-urine barrier.

B2-Differentiate between thin and thick skin.

B3-Describe skin appendages (hair sebaceous apparatus, nail and sweat glands).

C- Professional skills

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

C1- Identify and differentiate between different parts of urinary & respiratory tracts.

C2-Differentiate between different types of skin.

C3-Draw and label the structures they have seen in electron photomicrographs and under light microscope during practical classes.

D- General skills

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

D1- Appreciate the importance of life long learning and show a strong commitment to it.

D2- Use the sources of biomedical information to remain current with advances in knowledge and practice.

3-Course Contents

Topic	No. of credit Hours	Lecture	Tutorial / Practical
1-respiratory system	5	4	1
2-urinary system	5	4	1
3- skin (types, epidermal cells & appendages)	8	6	2
Total	18	14	4

4- Teaching and learning Methods

- 4.1- Lectures.
- 4.2- Practical sessions to gain practical skills.
- 4.3- Practical book for drawing.

- Student assessment Methods

- 5.1- Written exams (short essays and MCQs).
- 5.2- Oral exam.
- 5.3- Practical exam (Identification of histological slides).
- 5.4- Course assignment and (practical) book to assess.
- 5.5- Attendance Criteria: The minimal acceptable attendance is 75%.

Assessment schedule of the 1st turn

Assessment1: Periodic and mid term MCQ assessment.

Assessment 2: Final practical examination.

Assessment 3: Final written examination.

Assessment 4: Final oral examination.

Assessment 5: Final drawing examination.

Assessment 6: Course assignment (practical book).

Weighting of assessments of the 1st turn

Weighting of assessments of the 2nd turn

The same as the 1st turn

Periodic and mid-term MCQ assessment 10 marks 22, 2%

Final practical examination	5 marks	11, 1%
Final written Examination	16 marks	35, 5%
Final Oral Examination	5 marks	11, 1%
Final drawing examination	6 marks	13, 3%
Course assignment (practical book)	3 marks	6, 6%
Total	45 marks	100%

6- List of references

6.1- Essential Books (Text Books):

Junqueira, Carneiro and Kelly(2008) L.C,2016 Basic Histology,7th ed .Librairie du liban and Lang buruit ,London ,New York

6.2-Recommended Books:

Fawcett (2006):A Text book of Histology ,12th edition .Chapman and Hall. New york ,London

6.3- Periodicals:

Egyptian J of Histology

International J of Experimental Research

6.4- Web Sites of histology:

<http://www.histology-world.com>

7- Facilities required for teaching and learning

1_ Accommodation :

lecture room ,smart board to write on and computer

2_ computing resources :

Computer lab and internet lab

3_ other resources :

Library, seminar room ,

Wi-Fi internet connections .

Microscopes.

well-prepared glass slides for different tissues stained by routine and special stains.

Course coordinator: Dr. Eman Ahmad Abd El-Rahim

External Evaluator :Prof.Dr Amal Taha Abou El ghait Taha

6.3- Periodicals and Web Sites of histology

7- Facilities required for teaching and learning

7.1- White boards.

7.2- Overhead projectors.

7.3- Microscopes.

7.4- Data show power point.

7.5- well-prepared glass slides for different tissues stained by routine and special stains.

Course coordinator: Dr. Eman Ahmad Abd El-Rahim

د. Eman أحمد عبد الرحيم