

Parasitology coarse specification

Third year of M.B.B.Ch program

2017/2018

Medical Parasitology

University: Aswan

Faculty: Medicine

Department: Medical parasitology

1- Basic coarse information

- Coarse title: parasitology
- code: Amed 013
- Academic year: Third year
- Programme on which coarse is given: M.B.B.Ch program
- Department offering the coarse : medical parasitology
- Lecture: 60 h
- Practical: 60
- Total 120h
- External evaluator: Magda Mohamed attia el naser: professor of medical parasitology , faculty of medicine, Sohag university

2- Over all aims

- to provide student adequate knowledge about endemic parasites, national parasitic problem and common parasite world wide
- to provide student with knowledge about biological, epidemiological, ecological factors of parasites causing diseases to human
- to enable students to know pathogenesis, clinical picture and complications of parasitic diseases
- to enable students to know general out lines of ttt, diagnostic features, prevention and control of these diseases

3- Intended learning objectives(ILOS)

A- Knowledge and under standing

By the end of the coarse student should be able to

A1- describe morphology and life cycle of parasites of medical importance

A2- illustrate pathogenesis, clinical signs and symptoms and complication of parasitic infections

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A3- describe ttt of various parasitic infections and various methods of prevention and control

A4-list anthropode of medical interest and list clinical importance and method of compact

A5-list fundamentals of immune reaction and immunodiagnosis of different parasites

A6-identify complications of manipulation of infectious material relevant to parasitology especially in hospital

A7-Adopt principles of life-long learning

B-intellectual skills

By the end of the coarse student should be able to

B1-comperehent specific symptoms and signs caused by different parasitic diseases

B2-apply different parasitic investigation to verify certain parasitic disease and interpret clinical and laboratory finding to reach proper diagnosis

B3-apply the most suitable method to control of parasitic diseases in community

B4-create a plan for differential diagnosis with prioritization of common possibilities of each parasitic infection

C-professional and practical skills

By the end of the coarse student should be able to

C1-examine grossly some parasites and arthropods of medical importance ,larval stage and lesion in different organs and jars

C2-examine the microscopic diagnostic structure of adult parasite and their larval stages in fixed stained smear

D- General skills

D1-use simple and compound microscopes

D2-use the sources of information technology to remain current in knowledge and practice

4- Coarse contents

Topic	No. of Hours	Lecture	Tutorial / Practical
Introduction	4	2	2
Hepatic flukes	4	2	2
Intestinal flukes	6	4	2
Blood flukes & snail intermediate	4	2	2
Introduction to cestodes and Pseudophyllidae	4	2	2
Taenia sp.	4	2	2
Cysticercosis & Hydatid	4	2	2
Dipylidium & Hymenolepis	4	2	2

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Introduction to nematodes & Ascaris	4	2	2
Enterobius & Trichinella	4	2	2
Trichuris & Capillaria & Strongyloides	4	2	2
Hook worms	4	2	2
Filarial worms	4	2	2
Introduction to protozoa &			
Giardia & Trichomonas & Balantidium	10	4	6
Trypanosomatidae	8	4	4
Introduction to Apicomplexa & Cryptosporidium & Isospora	4	2	2
Toxoplasma & Sarcocystis	4	2	2
Malaria & Babesia	4	2	2
Introduction to arthropods Mosquitoes	4	2	2
Sand fly & Simulium & Biting midges & Brachycera	4	2	2
Musca & Stomoxys & Glossina			
Sarcophagidae & Calliphoridae & myiasis	6	2	4
Fleas & Lice & Bugs	6	2	4
Ticks & Mites	4	2	2
Principles of immunoparasitology	2	2	0
Diagnostic parasitological	2	2	0
Revision	10	4	6
Total	120	60	60

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5- Teaching and learning method

- 1- lecture
- 2- Practical session: use of data show to explain the diagnostic morphology of different parasites in each stages and exposing and some clinical pictures of some parasitic diseases in order to be discussed in case study session
- 3- Office houres :(student were asked to produce minicard about different parasitic stages and other were asked to arrange aposter about different parasitic life cycle or disease)

Facilities required for teaching and learning

Projecting microscope

6- Teaching and learning methods for student with learning difficulties :

- 1- Lectures
- 2- Practical session
- 3- Office hours
- 4- Special classes outside the teaching scehedral

7- student assessment

A- Methods

- 1- periodic mcqs to assess knowledge and under standing and itelluctual skills
- 2- practical exam to assess professional,practical and transferable skills
- 3- written exams to assess knowledge and intellectual skills
- 4- oral exam to assess knowledge and under standing and intellectual skills

B- assessment schedule

Assessment 1: med term examination (mcq and practical)by the end of 4rth month

Assessment 2: final practical exam by the endof the year

Assessment 3: final written examination by the end of the the year

Assessment 4: final oral exam by the end of the year

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C- weighting of assessments

Method of assessment	Markes	Percentage of total
Final written exam	<u>75</u>	<u>50%</u>
Final oral exam	<u>25</u>	<u>16.6%</u>
Final practical exam	<u>20</u>	<u>13.4%</u>
Mid-year exam	<u>30</u>	<u>20%</u>
Total	<u>150</u>	<u>100%</u>

8- List of references

- 1- Department coarse note
- 2- Essential books:
 - Foundations of parasitology
 - Basic clinical parasitology
 - Medecal parasitology
- 3- Recommended books: Colour atlas of topical medicine and parasitology
- 4- Periodicals and web sites:
 - parasitology Jornal of tropical medicine and magazine
 - annals of tropical medicine and parasitology
 - american journal of tropical medicine journal of parasitology

Web sites:

- www.parasitology.org .uk
- www.cvm.okstate.edu/users/icfox/htdocs/clinpara/index.htm
- www.parasite.biology.qiowa.edu

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وحدة ضمان الجودة

الخطة الاستراتيجية ٢٠١٨/٢٠١٧

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