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Course specification of Parasitology for Hepatology medicine master

A- Administrative Information
Course Title: Parasitology course
Code: HEPT714
Department giving the course: Parasitology Department
Program on which the course is given: Master of Hepatology medicine
Department offering the Program: Hepatology medicine Department
Academic level: 1st part
Date of specification/revision: 2011
Date of approval by Departmental and Institute Council: 2011

B- Professional Information
1 – Overall aims of course:
1- Perfection in bases of scientific research uses of research tools.
2- Application of analytical methods Parasitology.
3- Awareness with Current Problems related to liver.
4- Identification of problems and finding new solutions.
5- Perfection in suitable range of working skills and use of technology to serve his career.
6- Awareness by his role in community development.
7- fair, responsible, accurate and honest.
8- Continuous working to increase Knowledge, profession.

2 – Intended learning outcomes of course (ILOs)

b- Knowledge and Understanding:
a1- Identify bases and theories and what is new in Parasitology and related fields to liver.
a2- Appraise new researches in parasitology.
a3- Approve ethical and legal considerations of practical work in parasitology.
a4- Apply rules and bases of quality control application in parasitology.

c- Intellectual skills
b 1- Analyze and evaluate data in his field.
b2- Solve problems depending on available data.
b3- Use all data and facilities for solving work problems.
b4- Carry out and write reports.
d- Professional and practical skills
c 1 Perfect basic and new skills in parasitology.

e- General and transferable skills
By the end of the course, students should be able to:
d 1- Perform active and good connection at all
d2- Use of data technology for work.
d3- Assess self and others.
d4- Use all available sources to get knowledge.
d5- Work in team.

3- Contents:
Parasitology including Helminths, Arthropoda, Protozoa and a practical course.

<table>
<thead>
<tr>
<th>Topic</th>
<th>Theoretical hours</th>
<th>Laboratory/Practical</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1- Helminths</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>2- Arthropoda</td>
<td>4</td>
<td>3</td>
<td>7</td>
</tr>
<tr>
<td>3- Protozoa</td>
<td>3</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td><strong>Total hours</strong></td>
<td><strong>11</strong></td>
<td><strong>9</strong></td>
<td><strong>20</strong></td>
</tr>
</tbody>
</table>

Introduction of Trematoda + Fascioliasis (Fasciola gigantica & F. hepatica)
Halzon + H. heterophyes + Paragonimus
Schistosomiasis (S.haematobium + S.mansonii + S.japonicum)
Snails + introduction of Cestodes + D.latum
D.mansoni + T.saginata + T. Solium
Cysticercosis + E.granulosus + Hydatid disease
M.multiceps + Ceonurosis + H. nana + H.diminuta + D.caninum.

Introduction of Nematoda + Ascarisiasis
Trichuris trichura + E.vermicularis + Hook worms.
Trichostrongylus + Strongyloides + Capillaria philippiaensis
Filariasis
D.medenensis + visceral larva migrans + cut. Larva migrans
Introduction of Arthropoda+ Mosquitoes
Introduction of Protozoa+ Malaria
Sand fly+ Leishmaniasis
Musca+ Stomoxyes+ E. histolytica
Free living Amoebae + B.coli + Giardia
Trichomonas vaginalis + commensal of flagellates+ Blastocystis
Glossina+ Trypanosomiasis
Coccidia
Calliphoridae+ Myiasis+ fleas
Lice+ Bugs
Ticks+Scorpion
Mites+ Cyclops

4– Teaching and learning methods
4.1 lectures
4.2 Seminars& discussions
4.3 Practical training
5- Student assessment methods
5.1 Written exam to assess ( a1, a4, b2, b3, c1 , d 4)
5.2 Oral exam to assess (a2, b1, b2, b3,c1, d1, d4)
5.3 Slide and cards exams to assess(a1,b1,b4,d2)
5.4 Parasitological examination of specimens to assess(a3,a4,b2,b4,d5)
Assessment schedule
One written exam 3 hour in Parasitology(150 marks) + oral (50 marks)
Weighting of assessments
Final written exam:75%
Oral exam: 25%
Total: 100%

6- List of references
6.1- Course notes
The department practical books and atlas by prof. Dr. Nashaat El Sayed Nassef.
6.2- Essential books (text books)
The department text books :Medical parasitology part 1 and 2 by prof. Dr. Nashaat El Sayed Nassef.
Medical Parasitology
Diagnostic medical Parasitology
Manthon's tropical medicine
6.3- Recommended books
Basic clinical Parasitology,
Foundations of Parasitology, 5th ed., Roberts L.S. and Janovy J. (eds), Wm. C. Brown, Inc.

6.4- Periodicals, Web sites, etc
Journal of tropical medicine and hygiene.
Annals of tropical medicine and parasitology.
American journal of tropical medicine.
Parasitologists united Journal.

- Web sites
http://www.asp.uni.edu
http://www.parasitology.org.uk
http://www.dpd.cdc.gov/dpdx
http://www.parasite.biology.qiowa.edu
http://www.sciencedirect.com
http://www.pubmed.com

7- Facilities required for teaching and learning
7.1- Overhead projectors
7.2- Computers
7.3- Microscope slides
7.4- Laboratories instruments
7.5- 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:
Name: Prof. Dr. Soreyya Sherief
Head of Department of Parasitology