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Course Specification : Basics of Parasitology for Master of Paediatrics Hepatology

A- Administrative Information:
1) Course Title: Parasitology for paediatrics hepatology
2) Department giving the course: Parasitology Department
5) Department(s) offering the program: paediatrics hepatology
6) Semester: 1st part
7) Date of approval by National institute of liver 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
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)
A- Knowledge and Understanding:
a1- Recognize bases and theories and what is new in Parasitology and related fields.
a2- Evaluate new researches in parasitology.
a3- Apply ethical and legal considerations of practical work in parasitology.
a4- State rules and bases of quality control application in parasitology.

B- Intellectual skills:
B1- Evaluate data in his field.
B2- Use all data and facilities for solving work problems.
B3- Write and evaluate reports.

C- Professional and practical skills:
C1- Perfect basic and new skills in parasitology.
C2- Use current tools in parasitology (Immunodiagnostic tests as ELISA, and PCR).

D- General and transferable skills:
D1- Use of data technology for work.
3-Content:
Parasitology including Helminths, Protozoa and a practical course

<table>
<thead>
<tr>
<th>Total</th>
<th>Laboratory/Practical</th>
<th>Theoretical hours</th>
<th>Topic</th>
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</thead>
</table>
| 2     |                      | 2                 | Introduction of Trematoda + Fascioliasis  
(Fasciola gigantica & F. hepatica)  
Halzon + H. heterophyes + Paragonimus |
| 2     |                      | 2                 | Schistosomiasis  
(S.haematobium + S.mansonii + S.japonicum)  
Snails + introduction of Cestodes + D.latum |
| 2     |                      | 2                 | D.mansonii + T.saginata + T. Solium  
Cysticercosis + E.granulosus + Hydatid Disease |
| 2     |                      | 2                 | M.multiceps + Ceonurosis + H. nana+ H.diminuta + D.caninum.  
Introduction of Nematoda + Ascarisiasis Trichuris trichura + E.vermicularis + Hook worms. Trichostrongylus + Strongyloides + Capillaria philippiaensis |
<p>| 2     |                      | 2                 | Filariasis, D.medenensis + viscerallarva migrans + cut. Larva migrans |
| 2     |                      | 2                 | Introduction of Protozoa + Malaria Leishmaniasis |</p>
<table>
<thead>
<tr>
<th>3</th>
<th>3</th>
<th>E. histolytica Free living Amoebae + B.coli + Giardia</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>Trichomonas vaginalis + commensal of flagellates</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Blastocystis Trypanosomiasis, Coccidia</td>
</tr>
</tbody>
</table>

| 23 | 23 | Total hours |

4– **Teaching and learning methods:**

4.1 lectures
4.2 Seminars& discussions

5- **Student assessment methods:**

5.1- Written Examination for assessment of knowledge and understanding and intellectual skills
5.2- Oral Examination for assessment of knowledge and understanding outcomes, intellectual skills, and general skills
5.3- Practical Examination for assessment of practical and intellectual skills.

**Assessment schedule**

One written exam of 1.5 hours in parasitology + oral exam

**Weighting of assessments**

1- Written exam 70% of all marks
3- Oral exam 30 % of all marks
Total 100%

6- **List of references**

6.1 - **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

6.2 - **Recommended books**
Basic clinical Parasitology,
Foundations of Parasitology, 5th ed., Roberts L.S. and Janovy J. (eds), Wm. C. Brown, Inc.

6.3 - **Periodicals, Web sites, etc**
Journal of tropical medicine and hygiene.
Annals of tropical medicine and parasitology.

American journal of tropical medicine.
Parasitologists united Journal.
7- Resources / Facilities required for teaching and learning achieving the above ILOs

Computers and data shows.

*We certify that all of the information required to deliver this course is contained in the above specification and will be implemented*

Head of the department: Prof. Dr. Thoria Sarif