

**University of Basrah  
College of Medicine  
Department of Microbiology  
Parasitology section**

**Syllabus OF Parasitology**

**Lectures**

**For 3 rd Year M .B. CH . B.  
Student**

<b><u>Topics</u></b>	<b><u>Hrs</u></b>
<b>GENERAL INTRODUCTION Medical Protozoology</b>	<b>2</b>
<b>1-Amebae of man</b>	<b>3</b>
<i>Entamoeba histolytica and amoebiasis</i>	
<i>Entamoeba coli</i>	
<i>Entamoeba gingivalis</i>	
<i>Entamoeba hartmanni</i>	
<i>Endolimax nana</i>	
<i>Iodamoeba butschlii</i>	
<i>Trichomonas tenax</i>	
<i>Blastocystis hominis</i>	
<b>2-Flagellates</b>	
<b>A- Intestinal , oral and urogenatal flagellates</b>	<b>2</b>
<i>Giardia lamblia</i>	
<i>Dientamoeba fragilis</i>	
<i>Trichomonas tenax</i>	
<i>Trichomonas vaginalis</i>	
<i>Chilomastix mesnili and othre intestinal flagellates</i>	

<b>B- Blood and tissue flagellates :</b>	<b>4</b>
<i>Leishmania tropica</i> complex	
<i>L. major</i> complex	
<i>Leishmania donovani</i> complex	
<i>Leishmania braziliensis</i> complex	
<i>L. mexicana</i> complex	
<i>Trypanosoma rhodesiense</i>	
<i>T. gambiense</i>	
<i>T. cruzi</i>	

<b>3-Ciliate :</b>	
<i>Balantidium coli</i>	

<b>4- SPOROZOA</b>	<b>4</b>
<b>a- Malarial Parasites:</b>	
<i>plasmodium vivax</i>	
<i>plasmodium malariae</i>	
<i>plasmodium falciparum</i>	
<i>plasmodium ovale</i>	
<b>b- <i>Toxoplasma</i> , <i>Pneumocystis</i>, <i>Emeria</i>,         <i>Isospora</i> , <i>Sarcocystis</i> and <i>Cryptosporidium</i></b>	<b>2</b>

# Medical helminthology

## Introduction

1

### 1- Cestodes :

5

#### General consideration

*Taenia saginata*

*Taenia solium and cysticercosis*

*Echinococcus and hydatid disease*

*Diphyllobothrium and sparganosis*

*Dipylidium caninum*

*Hymenolepis nana*

*Hymenolepis diminuta*

*Multiceps multiceps*

### 2-Trematodes (flukes):

5

#### General consideration

a- *Fasciola hepatica & F. gigantica*

b- *Clonorchis sinensis and Opisthorchis felinus*

c- *Intestinal and lung flukes*

d- *Schistosoma haematobium*

e- *Schistosoma mansoni*

f- *Schistosoma japonicum*

### 3-Nematodes:

12

#### General consideration

a- *Ascaris lumbricoides*

b- *Enterobius vermicularis*

c- *Trichuris trichiura*

d- *Trichostrongylus*

e- *Strongyloides stercoralis*

f- *Ancylostoma duodenale*

g- *Necator americanus*

h- *Cutaneous and visceral larva migrans*

*i -Trichinella spiralis*

**j –The filariae:**

- 1- *Wuchereria bancrofti*
- 2- *Brugia malayia*
- 3- *Mansonella perstans*
- 4- *Mansonella ozzardi*
- 5- *Onchocerca volvulus*
- 6- *Loa loa*
- 7- *Dracunculus medinensis*

## **MEDICAL ENTOMOLOGY**

**6**

### **Note**

**The following points will be discussed for each parasites mentioned above .**

- 1- *geographical distribution .*
- 2- *Morphology ,biology and life cycle .*
- 3- *Pathogenesis and symptomatology .*
- 4- *Treatment .*
- 5- *Epidemiology .*
- 6- *Control.*
- 7- *Diagnosis.*