جامعة الكفيل
University of Alkafeel

الخطة الدراسية

العام الدراسي (2020-2021)

القسم المختبرات الطبية الكلية

المرحلة الدراسية	الثانية
اسم المادة الدراسية باللغة العربية	الطفيليات الطبية
اسم المادة الدراسية باللغة الانكليزية	Medical Parasitology
اهداف المادة	**1- Know the morphology ,life cycle ,pathogenicity and Lab. Diagnosis of all parasites of medical importance.** **2- Know the epidemiology of parasites with special reference to those endemic in Iraq.**
وصف المادة	نظرية ذات طابع عملي
عدد الساعات النظرية	2 ساعة لكل مجموعه
عدد الساعات العملية	4 ساعات
عدد الوحدات	8 وحدات
اسم التدريسي باللغة العربية	الأستاذ المساعد الدكتور رعد عجم صايل
اسم التدريسي باللغة الإنكليزية	Raad Ajam Sayal
اللقب العلمي	أستاذ مساعد
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المنهج المقرر/الجزء النظري

week	Syllabus
1	Terms and definitions in parasitology. Parasite ,host, symbiosis, ectoparasite, endoparasite ,accidental parasite, obligate parasite, facultative parasite ,host parasite relation ship, scientific nomenclature, type of life cycles, type of hosts , mechanism of antiparasitic drugs.
2	Introduction to protozoology. Organell of locomotion, mode of living, reproduction, classification of protozoa.
3	Sacodina, Entamoeba histolytica. Biology , medical importance and clinical feature of amoebiasis: 1-Intestinal amoebiasis. 2-Extra intestinal amoebiasis. Lab. Diagnosis: 1.Direct method (G.S.E.). 2.Indirect method (Serological tests).
4	Entamoeba coli Differntiation between E. histolytica & E.coli E. gingivalis. Biology, medical importance, Lab. Diagnosis.
5	4Small amoeba: Endolimax nana Iodamoeba butschlii. Biology of the stages,Lab. Diagnosis.
6	Mastigophora, general characters. Intestinal flagellates. Giardia lamblia. Chilomastix mesnali, Dieantamoeba fragilis. Biology & stages. Diagnostic characters of all stages.
7	Genus Trichomonas. T. vaginalis/ urogenital flagellate. T. hominis T. tenax Biology , medical importance and Lab. Diagnosis of each species.
8	Heamo- flagellates(blood & tissue flagellates),general characters. Developmental stages in the vertebrate & invertebrate hosts. Genus leishmania ,species of leishmania, biology, vector, medical importance of eachspecies, types of leishmaiasis , life cycle ,Lab. Diagnosis, incloding immunological tests.
9	Genus Trypanosoma, species of trypanosome, biology , vector, medical importance of each species, forms of parasite, life cycle,Lab. Diagnosis.
10	Ciliophora: Blantidium coli ,Biology , medical importance, Lab. Diagnosis. Apicomplex: General charcter. Genus Toxoplasma.,T.gondii ,Biology, medical lmportance,acquired and congenital toxoplasosis. Life cycle, role of domesticate animals in the transmission of the disease. Lab. Diagnosis.
11	Genus plasmodium. Introduction to malarial parasites, malarial paroxysm, general life cycle of the plasmodium , species of plasmodium.

12	P.falciparum, P. vivax, P ovale, P. malarae Disease, pathology, medical importance, distribution, main differences during life cycle.
13	General discussion on malarial parastes ,epidemiology, methods of diagnosis. Time to take clinical samples. Blood films.
14	Isopora, pathology, medical importance,Lab. Dianosis. Sarcocystis species: pathology , medical importance,Lab diagnosis.
15	Cryptosporidiadse Genus cryptosporidium, species belong the genus, biology, pathology, epidemiology,Lab.diagnosis.
16	Platyhelminth: General characters. Class cestoda: General characters. Teania saginata: Teania solium: Morphology & the adult warm and the larval stages of each species, biology, life cycle of each species, pathologinicity of each species, Lab. Diagnosis
17	Hymenolepis nana, Hymenolepis diminuta. Diplidium caninum, Diphyllobathrium latum, Biology, morphology, pathoginicity of eachspecies,Lab. Diagnosis.
18	Echinococcus granulosus. Echinocuccus multilocularis. Biology,life cycle, pathoginicity, medical importance of hydatid cyst disease ,Lab. Diagnosis.
19	Class Trematoda: General characters. Genus Schistosoma. Specis of human schistosoma, life cycle. Schistosoma hematobium. Schistosoma mansoni. Biology of adult worm, habitat, pathgenicity,Lab.diagnosis
20	Fasciula hepatica Biology , life cycle, pathogenicity, Lab diagnosis. Nemathelminthis. Clss Nemtoda, general characters.
21	Ascaris lambricoides Enterobius vermicularis. Biology of adult worm,lifecycle, pathgenicity and medical importanceof each species, Lab. Diagnosis of each species.
22	Trichuris trichura. Trichenala spiralis. Biology , life cycle , pathogenicity, medical importanceof each species, Lab. Diagnosis of each species.
23	Strogyloides stercoralis. Biology, life cycle, pathgenicity, medical importance, Lab. Diagnosis.
24	Ancylostoma duadenale ,Necator Americans (Hooks worm) Biology, life cycle, pathogenicity, medical importance of each species, Lab. Diagnosis.
25	The filariae: Biology, pathgenicity and medical importance of each species, Lab. Diagnosis of each species. Visceral larvae migrance, Cutaneaus larvae migrance.
26	**Entomology**
27	Sand fly, Black fly
28	Mosqiutoes
29	Ticks & Mites

30	Fleas

المنهج المقرر/ العملي

week	Syllabus
1	Introduction : what parasitology Lab. Deal with enstruments & solution used in Lab.
2	Collection of samples & preservation
3	Preparation of the solutions (iodine , n.s. , formalin)
4	Writing the reports for G.S.E.
5	G.S.E. for non parasitic finding.
6	Slide demonstration for E. histolytic (troph & cyst)
7	Slide demonstration for non pathogenic amoeba
8	Slide demonstration for Isosbora
9	G. lamblia & Chilomestic mesinili (slides)
10	Trichmonus species & Blantidium
11	Fresh preparation of stool sample for different parasites cysts.
12	Plasmodium spp. (P.falciparum & blood film preparation)
13	P. vivax & practicing blood film preparation.
14	Trypanosoma spp.
15	Lischmania spp. (L. tropica (cutanious L.) , L. donovani)

المصادر:

1- Medical parasitology , 7th Edition
Aself –instructional text
Ruth Leventhal
Russel F. Cheadle
2-Diagnostic Medical Parasitology, 6th Edition
Lynne Shore Garcia

المراجع :

المراجع المساعدة :