



جامعة الكفيل
University of Alkafeel

الخطة الدراسية

العام الدراسي (2020-2021)

القسم تقنيات المختبرات الطبية الكلية تقنيات الطبية و الصحية

المرحلة الدراسية	الرابعة
اسم المادة الدراسية باللغة العربية	طفيليات طبية
اسم المادة الدراسية باللغة الانكليزية	parasitology
اهداف المادة	تعريف الطلبة على دراسة الامراض الطفيلية و طرق انتقالها
وصف المادة	تشخيص الطفيليات مختبريا
عدد الساعات النظرية	2
عدد الساعات العملية	4
عدد الوحدات	8
اسم التدريسي باللغة العربية	محمد رضا احمد الشريفي
اسم التدريسي باللغة الإنكليزية	Mohammed Redh Ahmed
اللقب العلمي	مدرس
عنوان البريد الالكتروني	Mohammed-alsharifi@alkafeel.edu.iq
رقم الهاتف الجوال what sapp	07801161571

week	Syllabus
1	Introduction and definition parasitology ,classification, types of parasite , types of host , types of commensalism ,(host parasite relationship .
2	Introduction and classification of protozoa ,class Rhizopoda ,genus Entamoeba –histolytica ,etiology ,pathogenic ,extra intestinal infection ,differentiation between E-coli .E-gingivalis .Lab –diagnosis..
3	Class –Mastigophora , general classification ,Intestinal –Flagella ,species ,Giardia –lamblia , mode of infection ,clinical sign ,pathogenic ,Lab – diagnosis .
4	Genital –flagella ,Genus trichomonas ,T-vaginalis ,T-hominis ,T-tenax ,habitat ,mode of infection ,pathogenic ,Lab –diagnosis .
5	Tissue –flagella ,general characteristic ,forms in life cycle,Genus leishmana,types ,common name ,mode of infection pathogenic sign ,species identification ,
6	Laboratory diagnosis of Leishmana (routin emethod), Immunological diagnosis assay ,cultivation in media .
7	Class –sporozoa (coccidia) belong to the phylum apicomplexa .general characteristic ,Intestinal coccidian ,species Cryptosporidium –parvum Isospora –balli ,Sarcocystis –bovis hominis , Brief lacture on morphology , habitat ,mode of infection ,infective stage , Lab –diagnosis ,
8	Extra –intestinal coccidian Toxoplasma –gondii. Common name habitat ,pathogen ,clinical sign ,final –host ,intermediate –host ,infective stage ,mode of infection ,Lab –diagnosis , Serological –test .
9	Class sporozoa ,Genus -Plasmodium ,Species . the terms used in malaria ,vector ,final host ,intermediate-host ,mode of infection , brief lacture on the life cycle ,clinical sign ,Lab diagnosis , preparation and detection of parasite in thick and thin blood –smear ,differential diagnosis ,rapid test
10	First term examination .
11	Helminthology ,general characteristic phylum Platyhelminthes . classification , class ,cestoda genus –taenia
12	Taenia –saginata ,Taenia –solium ,morphology the adult worm .larval stage (infective –stage) of each species ,common name ,intermediate host .definitive host ,mode of infection ,cysticercosis –disease ,Lab –diagnosis .
13	Species –Echinococcus –granulosus ,common name ,brief lacture in life cycle ,morphology the worm ,larval –stage (hydatide –cyst) mode of infection ,Lab diagnosis ,detection –Ag -,serological test .
14	Species Hymenolepis –nana ,common name habitat intermediate ,final

	,host .mode of infection ,clinical sign ,Lab –diagnosis.
15	Phylum –platyhelminths ,class ,Trematoda .general characteristic ,Genus – Schistosoma,-----blood species ,S-haematobium ,S –mansoni ,S –japonicum ,commonname ,disease ,habitat ,intermediate –host ,final host ,mode of infection clinical symptom ,Lab diagnosis ,differential diagnosis between the species.
16	Species ,Fascila –hepatica ,common name habitat disease ,mode of infection final and intermediate host ,Lab diagnosis .
17	Nemathelminthes ,general characteristic , class-Nematoda ,species ,Ascvaris –iuricoides common name ,life cycl , disease ,final host ,habitat ,mode of infection ,pathogenesis ,types of eggs ,LAB -diagnosis ,
18	Species -Entrobis –vermicularis , common name mode of infection ,habitat, sign of disease ,final host LAB diagnosis .morphology of parasite
19	Species ,Strogyloides –stercoralis ,common name ,morphology ,habitat ,disease ,mode of infection . final host ,LAB-diagnosis ,Agar plate culture for Strongyloides –stercoralis .
20	Species .Ancylostoma –duodenaie . Species ,Trichuris –trichura ,general characteristic ,common name ,habitat ,mode Of infection ,disease ,LAB –diagnosis .
21	Second –Term
22	Lecture on immunity of parasite
23	Destruction of parasite by immune –systems .
24	Immune response ,Immunological and serological techniques .for parasitic disease . Antigen detection for diagnosis of parasite
25	Collection and transport of specimens ,Types of preservative ,advantage and disadvantage .
26	Stool –Examination Macroscopic ,microscopic ,
27	Result and Report for all Examination Direct and concentration method .
28	COMITY E XAMINATION
29	FINAL EXAMINATION
30	FINAL EXAMINATION

week	Syllabus
1	Introduction and definition parasitology ,classification, types of parasite , types of host , types of commensalism ,(host parasite relationship .
2	Introduction and classification of protozoa ,class Rhizopoda ,genus Entamoeba –histolytica ,etiology ,pathogenic ,extra intestinal infection ,differentiation between E-coli .E-gingivalis .Lab –diagnosis..
3	Class –Mastigophora , general classification ,Intestinal –Flagella ,species ,Giardia –lamblia , mode of infection ,clinical sign ,pathogenic ,Lab – diagnosis .
4	Genital –flagella ,Genus trichomonas ,T-vaginalis ,T-hominis ,T-tenax ,habitat ,mode of infection ,pathogenic ,Lab –diagnosis .
5	Tissue –flagella ,general characteristic ,forms in life cycle,Genus leishmana,types ,common name ,mode of infection pathogenic sign ,species identification ,
6	Laboratory diagnosis of Leishmana (routin emethod), Immunological diagnosis assay ,cultivation in media .
7	Class –sporozoa (coccidia) belong to the phylum apicomplexa .general characteristic ,Intestinal coccidian ,species Cryptosporidium –parvum Isospora –balli ,Sarcocystis –bovis hominis , Brief lacture on morphology , habitat ,mode of infection ,infective stage , Lab –diagnosis ,
8	Extra –intestinal coccidian Toxoplasma –gondii. Common name habitat ,pathogen ,clinical sign ,final –host ,intermediate –host ,infective stage ,mode of infection ,Lab –diagnosis , Serological –test .
9	Class sporozoa ,Genus -Plasmodium ,Species . the terms used in malaria ,vector ,final host ,intermediate-host ,mode of infection , brief lacture on the life cycle ,clinical sign ,Lab diagnosis , preparation and detection of parasite in thick and thin blood –smear ,differential diagnosis ,rapid test
10	First term examination .
11	Helminthology ,general characteristic phylum Platyhelminthes . classification , class ,cestoda genus –taenia
12	Taenia –saginata ,Taenia –solium ,morphology the adult worm .larval stage (infective –stage) of each species ,common name ,intermediate host .definitive host ,mode of infection ,cysticercosis –disease ,Lab – diagnosis .
13	Species –Echinococcus –granulosus ,common name ,brief lacture in life cycle ,morphology the worm ,larval –stage (hydatide –cyst) mode of infection ,Lab diagnosis ,detection –Ag -,serological test .

14	Species Hymenolepis –nana ,common name habitat intermediate ,final ,host .mode of infection ,clinical sign ,Lab –diagnosis.
15	Phylum –platyhelminths ,class ,Trematoda .general characteristic ,Genus –Schistosoma,-----blood species ,S-haematobium ,S –mansoni ,S –japonicum ,commonname ,disease ,habitat ,intermediate –host ,final host ,mode of infection clinical symptom ,Lab diagnosis ,differential diagnosis between the species.
16	Species ,Fascila –hepatica ,common name habitat disease ,mode of infection final and intermediate host ,Lab diagnosis .
17	Nemathelminthes ,general characteristic , class-Nematoda ,species ,Ascvaris –iumbricoides common name ,life cycl , disease ,final host ,habitat ,mode of infection ,pathogenesis ,types of eggs ,LAB -diagnosis ,
18	Species -Entrobilus –vermicularis , common name mode of infection ,habitat, sign of disease ,final host LAB diagnosis .morphology of parasite
19	Species ,Strogyloides –stercoralis ,common name ,morphology ,habitat ,disease ,mode of infection . final host ,LAB-diagnosis ,Agar plate culture for Strongyloides –stercoralis .
20	Species .Ancylostoma –duodenaie . Species ,Trichuris –trichura ,general characteristic ,common name ,habitat ,mode Of infection ,disease ,LAB –diagnosis .
21	Second –Term
22	Lecture on immunity of parasite
23	Destruction of parasite by immune –systems .
24	Immune response ,Immunological and serological techniques .for parasitic disease . Antigen detection for diagnosis of parasite
26	Collection and transport of specimens ,Types of preservative ,advantage and disadvantage .
27	Stool –Examination Macroscopic ,microscopic ,
28	Result and Report for all Examination Direct and concentration method .
29	COMITY E XAMINATION
30	FINAL EXAMINATION
	FINAL EXAMINATION

المصادر:

المراجع :

Medical parasitology . 8th edition 2018

Sherr's Medical Microbiology 5th 2010

Manual of clinical Microbiology 11th 2015

المراجع المساعدة :