



Medical Parasitology Department Research plan (2020-2024)



الخطة البحثية الخمسية ٢٠٢٤-٢٠٢٠

كلية الطب - جامعة المنيا - قسم الطفiliات الطبية

أولاً: نبذة عن القسم:

قسم الطفiliات الطبية هو أحد الأقسام الأكاديمية الهامة بكلية الطب وللقسم إسهامات علمية ومشاركات في تطوير الكلية وخدمة المجتمع المحلي واعداد كوادر من حملة الماجستير والدكتوراة في علم الطفiliات الطبية.

وفقاً لائحة الداخلية لكلية الطب يشمل علم الطفiliات الفروع الآتية:

١- علم الديдан

٢- علم الكائنات الأولية

٣- علم المفصليات

*يقع القسم بالدور الثالث بالمبني الحديث لكلية الطب خلف متحف الفن الحديث بالحرم الجامعي

*يضم القسم سبعة استاذًا واثنين مساعداً واثنين مدرسين واربعة من معاوني اعضاء هيئة التدريس (اثنين مدرس مساعد واثنين معيدين).

*يشترك عدد من اعضاء هيئة التدريس بالقسم مشاركات جوهرية للنهوض بالكلية منها الاشراف على بعض الدورات التدريبية لاعضاء هيئة التدريس بالكلية للاعداد لبرنامج الطب التكاملى وكذلك المشاركة في اعمال الجودة والاعتماد للكلية.

ثانياً: رؤية القسم:

أن يحتل قسم علم الطفiliات الطبيه مكاناً مرموقاً بين اقسام علم الطفiliات الطبية على المستوى المحلي

وأن يرتقي بالبحث العلمي خاصة في مجال مكافحة العدوى والامراض المعدية.

ثالثاً: رسالة القسم:

يهدف قسم علم الطفiliات الطبيه بكلية الطب جامعة المنيا إلى تعليم الطلاب الطرق المختلفة للعدوى بالأمراض وكذلك طرق التشخيص المختلفة لتلك الأمراض وطرق الوقاية والحماية من تلك الأمراض المعدية.

رابعاً: فريق اعداد الخطة:

ابد| عزة كمال احمد

أ.م.د| نها حامد عبد الجليل

طاسهـام ابراهـيم محمد

طـامـنـار مجـدى سـيد

خامساً: آلية اعداد الخطة البحثية:

- ١-الاطلاع على الخطة البحثية السابقة.
- ٢-الاطلاع على الخطة البحثية للجامعة.
- ٣-استبيان اعضاء هيئة التدريس في الخطة البحثية ومقترناتهم
- ٤-حلقات نقاشية بالقسم حول الخطة
- ٥-عرض مقترن الخطة على اعضاء القسم لابداء آرائهم ومقترناتهم.

سادسا: تقرير مفصل عن الخطة البحثية السابقة:

Medical Parasitology Department research plan of (2015-2019) Report

A-Objectives that are not yet achieved:

1- Development of new vaccines against some parasites (*Leishmania, Malaria, Schistosoma, and Toxoplasma*).

Cause of not achievement: Protocol of this research have not been selected by the Scholarships general administration.

2-Address the influence of intestinal parasitic infection and their associated risk factors in iron deficiency anemic children in Minia city: done but was not published

3- Detection of Scabies by different methods **including PCR.**

Cause: No candidates were available for this thesis.

B-Achieved objectives in next table:

Objectives of plan 2015-2019	Achievement form	Form title
1-Estimate the incidence of different food-borne parasitic diseases	Master thesis Published paper from the thesis in national journal	*Parasites transmitted to human by ingestion of different types of meat, El-Minia city, El-Minia governorate, Egypt. Ekhlas H.Abdelhafeez,Amany M. Kamal, Noha H. Abdelgelil and Mohamed Mahmoud Abdelfatah. Parasites transmitted to human by ingestion of different types of meat, El-Minia city, El-Minia governorate, Egypt.J.Egypt.Soc.Parasitol (JESP), 45(3),2015:671-680.
2- Estimate the incidence of different parasites causing appendicitis.	Journal published paper (National journal)	*Manal Z.M. Abdellatif Ekhlas Abel-hafeez UsamaS Belal RabieM Mohamed Noha H Abdelgelil, Nissreen

		<p>Abdel-Tawab Ahmed M Atiya (2015) Identification of parasitic infections in appendectomy specimens using histopathological and faecalith examinations Parasitologists United Journal 8:101–106.</p>
3- Estimate the incidence of <i>Toxoplasma gondii</i> infection among the high risk pregnant and normal pregnant females patients		<p>*Amany M. Kamal, Azza K. Ahmed, Manal Z. M. Abdellatif1, Mohamed Tawfik, Eptesam E. Hassan (2015) Seropositivity of Toxoplasmosis in Pregnant Women by ELISA at Minia University Hospital, Egypt .Korean J Parasitol. 53(5): 1-6.</p>
4- Investigate the effect of some herbal antioxidant on some protozoan and helminthic infection (invitro and invivo).		<p>*Ekhlas H Abdel-Hafeez, Azza K Ahmad, Amany M Kamal, <u>Manal Z M Abdellatif</u>, Noha H Abdelgелil (2015). In vivo anti protozoan effects of garlic (<i>Allium sativum</i>) and ginger (<i>Zingiber officinale</i>) extracts on experimentally</p>

infected mice with
Blastocystis spp. Parasitol
.Res. 114: 3439-3444.
*Ekhlas H Abdel-Hafeez,
Azza K. Ahmad, Noha H
Abdelgamil, Manal Z M
Abdellatif, Amany M
Kamal, Rabie M Mohamed
(2015). In vitro effect of
some Egyptian herbal
extracts against *Blastocystis*
hominis. *J. Egypt. Soc.*
Parasitol. 45(1): 93 -100

* Ekhlas H Abdel-Hafeez
, Azza K Ahmed, Manal ZM
Abdellatif, Amany M
Kamal and Nisreen DM
Toni(2016) The Efficacy of
Pomegranate (*Punica*
granatum) Peel Extract on
Experimentally Infected
Rats with *Blastocystis* Spp J
Infect Dis Preve Med .4:11

5- Studies on host-parasite interaction and strategies of iron and glucose acquisition by some protozoa and helminthic

Journal published paper
(International journal)

*Noha H. Abdelgeli, Manal Z.M. Abdellatif, Ekhlas H. Abdel-Hafeez, Usama S. Belal, Rabie M. Mohamed, Abdel-Razik H. Abdel-Razik, Kamel M.A. Hassanin, Ahmed Abdel-Wahabd (2019). Effects of iron chelating agent on Schistosoma mansoni infected murine model. Biomedicine & Pharmacotherapy 109 28–38

(National journal)

(International journal)

<p>6-Studies on human wound (traumatic) myiasis in Minia city, Egypt</p>	<p>Journal published paper (International journal)</p>	<p>*Ekhlas H. Abdel-Hafeez¹, Rabie M. Mohamed^{1*}, Usama S. Belal¹, Ahmed M. Atiya², Masaya Takamoto³, and Fumie Aosai³. Human wound myiasis caused by <i>Phormia regina</i> and <i>Sarcophaga haemorrhoidalis</i> in Minia Governorate, Egypt. (2015). Parasitol Res October 2015, Volume 114, Issue 10, pp 3703-37091</p>
<p>7 Studies on histopathological changes induced by some protozoa and helminthic infection</p>	<p>Journal published paper (International journal)</p>	<p>*Azza K. Ahmed , Ekhlas H. Abdel-Hafeez and Amany M. Kamal. some studies on spontaneous <i>Hymenolepis diminuta</i> infection in laboratory rats. J. Egypt. Soc. Parasitol. (JESP), 45(1), 2015: 115 - 124</p> <p>* Detection and molecular</p>

		<p>identification of free living amoeba (Acanthameba and Negleria species) from different sources in Minia Governorate, Egypt</p> <p>* Isolation and identification of pathogenic Acanthamoeba species from air conditioning systems ,Egypt</p>
<p>8-Research of new molecular targets for the development of new treatment strategies</p>	<p>Journal published paper (National journal)</p> <p>MD thesis</p>	<p>*Noha H. Abdelgeli, Manal Z.M. Abdellatif, Ekhlas H. Abdel-Hafeez, Usama S. Belal, Rabie M. Mohamed, Abdel-Razik H. Abdel-Razik, Kamel M.A. Hassanin, Ahmed Abdel-Wahab (2019). Effects of iron chelating agent on Schistosoma mansoni infected murine model. Biomedicine & Pharmacotherapy 109 28–38</p>

		Published paper from thesis
9- Biological and molecular diagnostic studies of some prevalent protozoan and helminthic parasites	<p>Journal published paper (International journal)</p> <p>*Blastocystis spp. Infection among IBS patients: various diagnostic and epidemiological study.</p> <p>*Detection and molecular identification of free living amoeba (Acanthameba and <i>Negleria</i> species) from different sources in Minia Governorate, Egypt</p> <p>*Prevalence and identification of some <i>Cryptosporidium</i> species in human fecal specimen by PCR-Restriction Fragment length polymorphism analysis in Minia Governorate.</p> <p>* Nabil S. Gabr, Manal Z. M. Abdellatif, Rabie M. Mohamed, Usama S. Belal, Manar M. Sanadeki and Wael M. Abdel-Ghany Blastocystis spp. Infection among IBS</p>	

		<p>patients: various diagnostic and epidemiological study. J Soc Egyp Parasitol, 48(1).2018:117-126.</p> <p>* Molecular characterization of Cryptosporidium isolates from humans by nested polymerase chain reaction - restriction fragment length polymorphism (nPCR-RFLP) analysis in Egypt" by Gabr N.S.1, Ahmed A.K., Belal U.S., Abd Rabou R.A.M., Ahmed R.F. and <u>Abdel-Hafeez E.H.</u> has been accepted for the publication in Tropical Biomedicine March Issue Volume 36 No 1, 2019.</p>
<p>10- Factors associated with the prevalence and incidence of helminthic and protozoan infection.</p>	<p>MD thesis</p> <p>MD thesis</p>	<p>*Parasites detected in immunocompromised children in Pediatric Minia University Hospital</p> <p>* Manal Z. M. Abdellatif, Amany M. Kamal, Noha H. Abdelgелيل and Manar M. S.A. Nasr Parasites Detected in Immunocompromised Children in Pediatric Minia University Hospital. MJMR, 29 (3): 111-123</p>

	Paper published from thesis (National journal)	
	Paper published from thesis (International journal)	
11- Some studies on storage Mites and Ticks.	Master thesis Paper published from thesis	A. K. Ahmed, A. M. Kamal, N. M. E. Mowafy and E. E. Hassan (2020): "Storage mite infestation of dry stored food products and its relation to human intestinal acariasis in the city of Minia, Egypt" Journal of Medical Entomology. 57(2):329-335

سابعاً أهداف الخطة البحثية لسنة ٢٠٢٤ - ٢٠٢٠ بناءاً على ما سبق ذكره:

Objectives of research plan of medical parasitology department for years (2020-2024):

- 1- Estimate the prevalence and epidemiological Factors of parasitic infection immunocompromised patients.
- 2- Address the influence of intestinal parasitic infection and their associated risk factors in iron deficiency anemic children in Minia city.

3-Genotyping of some protozoal diseases (e.g *Blastocysts*...).

4-Prevalence of some emerging protozoa causing diarrhea.(e.g:Cyclospora ,Microspora....).

5-Effect of parental and oral hypoglycemic drugs on experimentally infected mice with *S.mansoni*.

6-Evaluation of using some herbal medicinal plants and their combination with chemical drugs in the treatment of parasitic infections.

ثامناً : الجدول الزمني للخطة البحثية ٢٠٢٤-٢٠٢٠ :

Time table	Success indicators	Activities	Expected results and output	Objectives
2020	1-Achieving of Master research on time	Master thesis	List of parasites in renal patients in Minia city	Estimate the prevalence and epidemiological risk Factors of parasitic infection immunocompromised patients.
2021	Publish of research in local and international journals of parasitology	Journal published paper	List of parasites causing diarrhea in adults' patients in Minia city	Prevalence of some emerging protozoa causing diarrhea. (e.g:Cyclospora ,Microspora...)
	Publish of research in local and international journals of parasitology	Journal published paper	Introducing of combined treatment of PZQ and oral hypoglycemic drugs in <i>S mansoni</i> infection	Effect of parental and oral hypoglycemic drugs on experimentally infected mice with <i>S.mansoni</i> .

2022	Achieving of MD research on time	MD thesis	List of subtypes of Blastocyst in immunocompetent and immunocompromised patients	Genotyping of some protozoal diseases (e.g. Blastocysts...)
	Publish of research in local and international journals of parasitology	Journal published paper	Using of some herbal plants as a treatment or adjuvant treatment in parasitic infections	Evaluation of using some herbal medicinal plants and their combination with chemical drugs in the treatment of parasitic infection
2023	Publish of research in local and international journals of parasitology	Journal published paper	Use of herbal extracts as alternative antiparasitic therapy	- Effect of some planet extract on invitro and in vivo parasitic infections
2024	Achieving of Master research on time	Master thesis	List of parasites in patients with iron deficiency anemia in Minia city	Address the influence of intestinal parasitic infection and their associated risk factors in iron deficiency anemic children in Minia city.