

Ghada M.K. Hassanein, MBBCH, MSc

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Education & Licensure	Master degree program of Basic Medical Sciences (Medical Parasitology) Faculty of Medicine, Cairo University, Cairo, Egypt	Feb 2021
	Licensed Physician by Physician's Council, Cairo, Egypt (# 270025)	March 2016 (Active)
	Bachelor of Medicine and Surgery (M.B.B.Ch) Zagazig Medical School, Zagazig, Egypt	Nov 2015
Current Position	Research Assistant Microbiology and Parasitology Department Research Institute of Ophthalmology Ministry of Higher Education and Scientific Research, Cairo, Egypt My job responsibilities varies from diagnostic duties by processing and examining different samples that referred to Parasitology Laboratory with using different diagnostic techniques for parasitic infections particularly that related to eye, follow up patients to ensure elimination of their infection. As well as research duties to understand and control human parasitic infections.	May 2017 – Present
Clinical Experience	General Practitioner Ministry of Health Hospitals, Zagazig, Egypt	April 2017 – May 2017
	General Practitioner Zagazig University Hospitals, Zagazig, Egypt	March 2016 – April 2017
	Internship Zagazig Medical School University Hospitals, Zagazig, Egypt Completed successfully: Feb 2016	March 2015 – Feb 2016
	Transitional year, rotated at: • Internal Medicine (2 months) • Obstetrics and Gynecology (2 Months) • Pediatrics (2 months) • General Surgery (2 months) • Anesthesia and Emergency (2 months)	

- Radiology (1 month)
- Ophthalmology (1 month)

Clinical Rotations before Graduation

Zagazig Medical School University Hospitals, Zagazig, Egypt

Obstetrics and Gynecology (3 Month)
Surgery (General & Special) (6 Months)

**Feb 2014 –
Nov 2014**

Pediatrics (3 Months)
Internal Medicine (6 Months)

**Oct 2012 –
August 2013**

E.N.T (2 Months)
Ophthalmology (2 Months)

**Feb 2012 –
June 2012**

Research & Laboratory Experiences

Master degree program of Basic Medical Sciences (Medical Parasitology)

**Oct 2017 –
Feb 2021**

Faculty of Medicine, Cairo University, Cairo, Egypt
Completed successfully: **Feb 2021**

Thesis topic: *In Vitro* Evaluation of Amebicidal Effect of *Aloe vera* Extract and Honey against *Acanthamoeba* Spp.

The study investigated the in vitro effect of different concentrations of *Aloe vera* ethanol extract and honey against *Acanthamoeba* spp. cysts in comparison with chlorhexidine (the drug of choice for treatment of *Acanthamoeba* infection) at different incubation periods (24, 48, 72 h). The assessment of their effect was done by both counting the number of viable cysts then determining the inhibitory percentage and detecting the cysts morphological alternations by using scanning electron microscope. Results showed a considerable cysticidal effects of *Aloe vera* ethanol extract and honey on *Acanthamoeba* cysts.

Supervisor: Mousa Abdel-Gawad Mousa Ismail, M.B.B.Ch., M.Sc., M.D, Professor and Head of Medical Parasitology, Faculty of Medicine – Cairo University

Research Assistant

**May 2017 –
Present**

Microbiology and Parasitology Department
Research Institute of Ophthalmology, Ministry of Higher Education and Scientific Research, Cairo, Egypt.

My lab skills are:

- Dealing with different types of microscopes (Light microscope, Inverted microscope, Fluorescence microscope) and interpretation of scanning electron microscope results.
- Performing different staining techniques (vital stains, Acid fast stain, Trichrome stain, Giemsa stain, Field's stain)

- Using different diagnostic techniques for parasitic infections including direct microscopic examination, molecular techniques (PCR techniques, RFLP) and immunodiagnostic tests (Immunochromatography- Haemagglutination tests- ELISA test for Toxoplasmosis)
- Performing Culture techniques of *Acanthamoeba*.
- Intra-peritoneal inoculation of *Toxoplasma gondii* in mice for research purposes.

USMLE Exams

Step 1

Passed
(195)

September
2017

Certified Courses

Mounting Techniques for Parasitology, Medical Parasitology Department, Faculty of Medicine, Cairo University, Egypt.

Dec 2018 –
Dec 2020

Improving Your Scientific Skills, Research Institute of Ophthalmology, Cairo, Egypt

November
2018

Molecular Biology, Medical Parasitology Department, Faculty of Medicine, Cairo University, Egypt.

April 2018 –
May 2018

Stool and Urine Analysis, Medical Parasitology Department, Faculty of Medicine, Cairo University, Egypt.

Jan 2018 –
Feb 2018

Scientific Research Skills, Research Institute of Ophthalmology, Cairo, Egypt

December
2017

Diagnosis and Treatment of Poisoning and Addiction Cases, Poison Control unite, Zagazig University Hospitals, Zagazig, Egypt

May 2015

Publications

- **Kadry, G. M.**, Ismail, M. A., El-Sayed, N. M., El-Kholy, H. S., & El-Akkad, D. M. H. (2020). In vitro amoebicidal effect of *Aloe vera* ethanol extract and honey against *Acanthamoeba* spp. cysts. *Journal of Parasitic Diseases*, 45(1), 159-168. DOI 10.1007/s12639-020-01292-8

N.B. My name is **Ghada M. Kadry Hassanein**

- “In Vitro Evaluation of Amebicidal Effect of *Aloe vera* Extract and Honey against *Acanthamoeba Spp.*”, Thesis Discussion Presentation, Medical Parasitology Department, Cairo University, Egypt, **July 2020**

- “*Aloe vera* and Honey as Noval Amebicidal Agents Against *Acanthamoeba Spp*”, Research Proposal, Medical Parasitology Department, Cairo University, Egypt, **June 2019**

Poster Presentations

- “The role of Medicinal Plants in the treatment of *Acanthamoeba* keratitis”, Workshop: Medicinal Plants: A New Horizon in Combating Human Pathogens, Research Institute of Ophthalmology, Cairo, Egypt, **February 2019**

Ongoing Research

- *Aloe vera* and its anti-parasitic effects. Review Article, Parasitology Lab, Microbiology & Parasitology Department, Research Institute of Ophthalmology, Cairo, Egypt

Educational Presentations

1. “American Trypanosomiasis (Chagas disease)”, **January 2020**
2. “Siphonaptera-Anoplura”, **December 2019**
3. “Visceral leishmaniasis”, **December 2019**
4. “Muscidae-Glossinidae”, **December 2019**
5. “Free-Living Amoeba”, **November 2019**

I prepared and presented the above scientific lectures **(1-5)** to my colleagues and professors at Medical Parasitology Department throughout the Master degree program of Medical Parasitology, Faculty of Medicine, Cairo University, Cairo, Egypt.

6. “Clinical Manifestation and Pathogenesis of *Acanthamoeba* keratitis”, 3rd Annual Scientific Day of Microbiology & Parasitology Department, Research Institute of Ophthalmology, Cairo, Egypt, **July 2019**
7. “How to write an effective research paper introduction” Improving Your Scientific Skills Course, Research Institute of Ophthalmology, Cairo, Egypt, **November 2018**
8. “Ocular Toxocariasis”, 2nd Annual Scientific Day of Microbiology & Parasitology Department, Research Institute of Ophthalmology, Cairo, Egypt, **September 2018**
9. “Clinical Manifestations of Toxoplasmosis”, 1st scientific Day of Microbiology & Parasitology Department, Research Institute of Ophthalmology, Cairo, Egypt, **September 2017**

AWARDS/ HONORS/ GRANTS

Zagazig University Grant for Clinical Pathology Residency training in University Hospitals, in recognition of excellent achievement on academic studies	February 2016
Awarded the Certificate of Honour from the Dean of the Faculty of Medicine, Zagazig University, For Excellent with Honour Grade in M.B.B.Ch.	November 2015
Top 10 Students (Microbiology – Pathology) Zagazig Medical School	2011

Association Membership	Egyptian Medical Syndicate membership	March 2016 – Present
	Research Committee , Research Institute of Ophthalmology, Ministry of Higher Education and Scientific Research, Cairo, Egypt.	March 2021 – Present
Volunteer Experience	National Campaign to Eliminate Hepatitis C Virus , Ministry of Health and Population, Egypt	March 2019 – April 2019
	I was enrolled in a team whose responsibility was performing the Hepatitis C Virus screening test to all the workers in Research Institute of Ophthalmology, Cairo, Egypt	
	Vaccination Program against Hepatitis B virus for Zagazig University Workers , Infection Control Unite, Microbiology and Immunology Department, Zagazig University, Egypt	Jan 2015 – Sep 2015
	I was enrolled in a team whose responsibility was giving the Hepatitis B Virus Vaccine to all the workers in Zagazig University	
	Ihsan Charity Foundation , Egypt	Sep 2013 – Feb 2016
	My role was collecting, organizing the donated clothes arrived to the charity	
Hobbies	Reading novels, drawing , painting and volunteer work	
Languages Fluency	Arabic: Native English: Advance	