

سامية محمد مصطفى



شبكة المعلومات الجامعية

# بسم الله الرحمن الرحيم



سامية محمد مصطفى



شبكة المعلومات الجامعية



# شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم





سامية محمد مصطفى



شبكة المعلومات الجامعية

# جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

## قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها  
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



سامية محمد مصطفى



شبكة المعلومات الجامعية



# بعض الوثائق الأصلية تالفة





سامية محمد مصطفى



شبكة المعلومات الجامعية



# بالرسالة صفحات لم ترد بالأصل



# **ASSESSMENT OF KNOWLEDGE AND PRACTICE OF SCHOOL AGE CHILDREN SUFFERING FROM INTESTINAL PARASITIC INFECTION AND THEIR MOTHERS**



*Thesis*  
*Submitted in Partial Fulfillment of*  
*Master Degree in Pediatric Nursing*

*By*  
**SAFAA SALAH ISMAIL**  
(B.Sc. Nursing Science)

## ***Supervisors***

**PROF. DR.**  
**ZEINAB ABD EL-HAMID LOUTFI**  
Chairman of Psychiatric Nursing Department  
Director of High Institute of Nursing  
Ain Shams University

**DR.**  
**WAFAA EL-SAYED ABD EL-GILFEL**  
Assist. Professor of Pediatric Nursing Department  
High Institute of Nursing  
Ain Shams University

**DR.**  
**EBRAHEM MAGED MOHAMED NAGATY**  
Lecturer of Parasitology Department  
Faculty of Medicine  
Zagazig University (Benha Branch)

**HIGH INSTITUTE OF NURSING**  
**ZAGAZIG UNIVERSITY**  
**BENHA BRANCH**

**1999**

B

15790

# **ASSESSMENT OF KNOWLEDGE AND PRACTICE OF SCHOOL AGE CHILDREN SUFFERING FROM INTESTINAL PARASITIC INFECTION AND THEIR MOTHERS**

*Thesis*

*Submitted in Partial Fulfillment of  
Master Degree in Pediatric Nursing*

*By*

**SAFAA SALAH ISMAIL**  
(B.Sc. Nursing Science)

*Supervisors*

**PROF. DR.**

**ZEINAB ABD EL-HAMID LOUTFI**

Chairman of Psychiatric Nursing Department  
Director of High Institute of Nursing  
Ain Shams University

**DR.**

**WAFAA EL-SAYED ABD EL-GILEEL**

Assist. Professor of Pediatric Nursing Department  
High Institute of Nursing  
Ain Shams University

**DR.**

**EBRAHEM MAGED MOHAMED NAGATY**

Lecturer of Parasitology Department  
Faculty of Medicine  
Zagazig University (Benha Branch)

**HIGH INSTITUTE OF NURSING  
ZAGAZIG UNIVERSITY  
BENHA BRANCH**

**1999**

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
الحمد لله الذي هدانا لهذا الذي كنا لنهتدي لولا أن هدانا الله

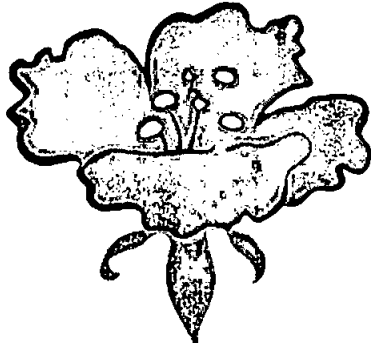
قالوا سبحانك لا علم لنا إلا ما علمتنا

إنك أنت العليم الحكيم

"صدق الله العظيم"

سورة البقرة آية ٢٢





DEDICATION  
TO  
**MY PARENTS**

For their love, support and  
encouragement that allowed me to  
make this research.

# ACKNOWLEDGEMENT

First and foremost, I feel always indebted to **GOD**, the most kind and most merciful.

I would like to express my deep thanks to all those who contributed by giving me their time, effort and encouragement to accomplish this work.

I wish to express my deep appreciation and gratitude to *Prof. Dr. ZEINAB LOUTFY*, Professor and Chairman of Psychiatric Nursing Department, High Institute of Nursing, Ain Shams University, for giving me the privilege of working under her supervision and for her helpful guidance. Her advice was always stimulating and specially essential to complete this work.

My deepest thanks and sincere appreciation to *Dr. WAFAA EL-SAYED*, Assist. Professor of Pediatric Nursing, High Institute of Nursing, Ain Shams University for her unlimited help and valuable guidance. She was the actual spirit of this work, through her great support, encouragement, patience and fruitful comments.

My sincere gratitude and appreciation goes to *DR. EBRAHEM MAGED MOHAMED*, Lecturer of Parasitology Department, Faculty of Medicine, Zagazig University, Benha Branch for his fruitful criticism and continuous spiritual encouragement.

Lastly, and not least, my special gratitude goes to my family.

# LIST OF CONTENT

ITEMS	Page
❖ <i>INTRODUCTION</i> .....	1
❖ <i>AIM OF THE STUDY</i> .....	5
❖ <i>REVIEW OF LITERATURE</i>	
- Parasitic infection .....	6
- Classification of intestinal parasites in children .....	7
- Host-Parasite relationship .....	7
I- Protozoal infection:	
1- Giardiasis .....	8
2- Amoebiasis .....	12
II- Helmenthiasis infection:	
1- Ascariasis .....	15
2- Ancylostomiasis (hook worm) .....	18
3- Enterobiasis (pin worm) .....	21
4- Hymenolepiasis (tape worm) .....	23
5- Schistosomiasis (Bilharziasis) .....	25
III- Role of nurse in prevention and care of intestinal parasitic infected school age children .....	29
❖ <i>SUBJECTS AND METHODS</i> .....	36
❖ <i>RESULTS</i> .....	40
❖ <i>DISCUSSION</i> .....	80
❖ <i>SUMMARY AND CONCLUSION</i> .....	88
❖ <i>RECOMMENDATIONS</i> .....	94
❖ <i>REFERENCES</i> .....	95
❖ <i>APPENDICES</i> .....	
❖ <i>ARABIC SUMMARY</i>	



# LIST OF TABLES

Table No.	Title	Page No.
<b>TABLES OF REVIEW</b>		
I	The major parasitic infections and their estimated prevalence, mortality and morbidity.	2
II	Classification of intestinal parasitic infections.	7
III	Dosage schedules for treatment of Giardiasis	11
<b>TABLES OF RESULTS</b>		
1	Socio-demographic characteristics of infected children with intestinal parasitic infections.	41
2	Socio-demographic characteristics of mothers of infected children with intestinal parasitic infections.	45
3	Number and percentage distribution of mothers and their infected children according to their family size and monthly income.	48
4	Number and percentage distribution of infected children and their mothers according to their environmental characteristics	49
5	Number and percentage distribution of infected children and their mothers according to their sanitary condition (water, food, sewage and garbage disposal).	50
6	Number and percentage distribution of infected children and their mothers in relation to having birds and animals and the place of rearing it.	52
7	Relation between mothers and their infected children according to their knowledge as regards conception of the disease, mode of transmission and clinical manifestations of intestinal parasitic infections.	53
8	Relation between mothers and their infected children according to their knowledge about, laboratory diagnosis, precautions to be followed, role of home in prevention, role of school in prevention and complications of intestinal parasitic infections.	55
9	Relation between mothers and their children according to their sources of information about intestinal parasitic infections.	58
10	Number and percentage distribution of mother's practice towards prevention of intestinal parasitic infections among their infected children.	59
11	Number and percentage distribution of children practice towards prevention of intestinal parasitic infections.	61

Table No.	Title	Page No.
12	Correlation between mother's age and their total knowledge about intestinal parasitic infections.	62
13	Correlation between mother's level of education and their total knowledge about intestinal parasitic infections.	64
14	Correlation between mother's occupation & type of house and their total knowledge about intestinal parasitic infections.	66
15	Correlation between children's age and their total knowledge about intestinal parasitic infections.	68
16	Correlation between children's sex and their total knowledge about intestinal parasitic infections.	70
17	Correlation between children's level of education & rank in the family and their total knowledge about intestinal parasitic infections.	72
18	Correlation between mother's socio-demographic characteristics and their personal hygiene practice.	74
19	Correlation between mother's socio-demographic characteristics and their water & food hygiene practice.	75
20	Correlation between mother's socio-demographic characteristics and their housing sanitation practice.	76
21	Correlation between children's socio-demographic characteristics and their personal hygiene practice.	77
22	Correlation between children's socio-demographic characteristics and their water & food hygiene practice.	78
23	Correlation between children's socio-demographic characteristics and their environmental sanitation practice.	79

# LIST OF FIGURES

Fig. No.	Title	Page No.
<b>FIGURE OF REVIEW</b>		
1	Life cycle of <i>Giardia lamblia</i>	1
2	Life cycle of <i>Entamoeba histolytica</i>	2
3	Life cycle of <i>Ascaris lumbricoides</i>	3
4	Life cycle of Hook-worm ( <i>Ancylostoma</i> )	4
5	Life cycle of Pin worm ( <i>Enterobius Vermiculairs.</i>	5
6	Life cycle of <i>Hymenolepis nana</i>	6
7	Life cycle of <i>Schistosoma mansoni</i>	7
<b>FIGURES OF RESULTS</b>		
1	Percentage distribution of children according to their age.	43
2	Percentage distribution of children according to their sex.	43
3	Percentage distribution of children according to their rank in the family.	44
4	Percentage distribution of children according to their level of education.	44
5	Percentage distribution of mothers according to their age.	46
6	Percentage distribution of mothers according to their level of education.	46
7	Percentage distribution of mothers according to their occupation.	47
8	Correlation between mother's age and their total knowledge about intestinal parasitic infections.	63
9	Correlation between mother's level of education and their total knowledge about intestinal parasitic infections.	65
10	Correlation between mother's occupation and their total knowledge about intestinal parasitic infections.	67
11	Correlation between children's age and their total knowledge about intestinal parasitic infections.	69
12	Correlation between children's sex and their total knowledge about intestinal parasitic infections.	71
13	Correlation between children's level of education and their total knowledge about intestinal parasitic infections.	73
14	Correlation between children's rank and their total knowledge about intestinal parasitic infections.	73



# INTRODUCTION