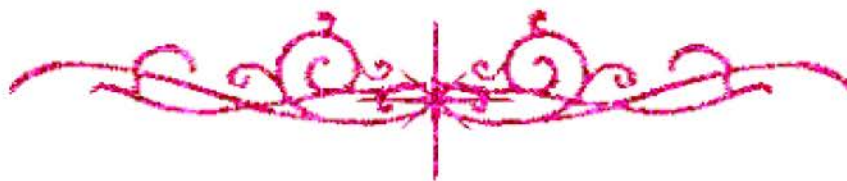


بسم الله الرحمن الرحيم





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

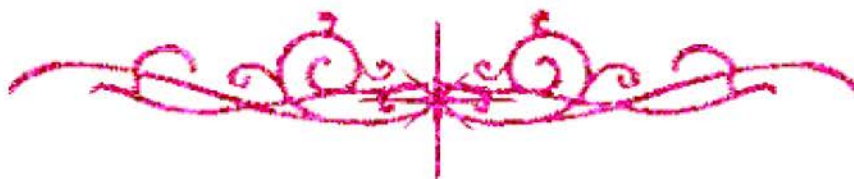
قسم

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



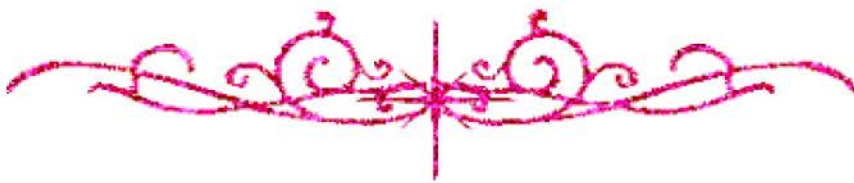
يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



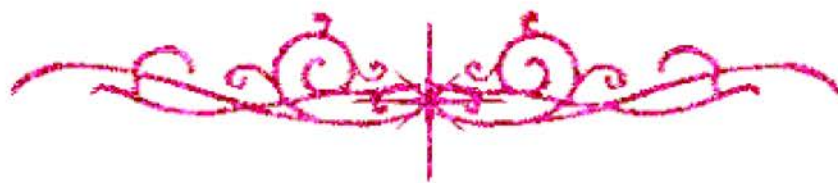


بعض الوثائق الأصلية تالفة





بالرسالة صفحات
لم ترد بالأصل



GASTROINTESTINAL PEPTIDES IN INFANTILE COLIC

Thesis
Submitted in Partial Fulfillment of
The Requirement of the
M.D. Degree in Pediatrics



Presented by

Nagat Abdul Wahed Mohamed Noman

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MonaZaki

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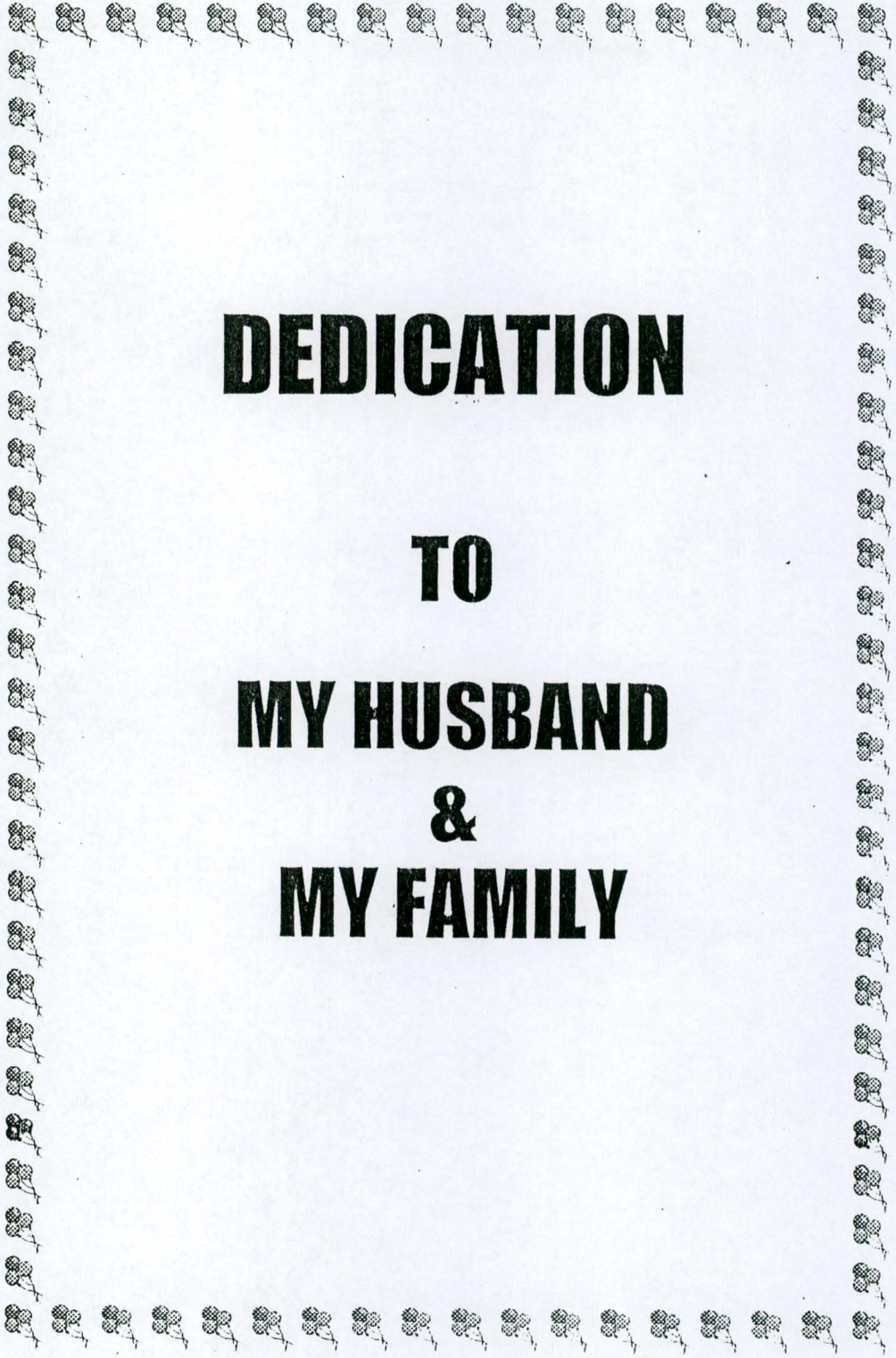
بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

﴿ قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ ﴾

صَدَقَ اللَّهُ الْعَظِيمُ

[البقرة : ٣٢]



DEDICATION

TO

MY HUSBAND

&

MY FAMILY

ACKNOWLEDGEMENT

First and foremost, thanks to GOD as we owe him for his great care, support and guidance in every step in our life.

I would like to express my deepest thanks, appreciation and gratitude to **Prof. Dr. Gilane Abd El-Hamid Osman, Professor of Pediatrics, Faculty of Medicine, Ain Shams University**, for giving me the honor of working under her supervision, for her kind support and for her continuous encouragement throughout this whole work .

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Finally, I would like to convey my warmest gratitude to my family, especially my husband for his continuous encouragement, patience and great support to achieve this work .

LIST OF ABBREVIATIONS

α - LA	: Alpha lactalbumin
CAMP	: Cyclic adenosine monophosphate.
CCK	: Cholecystokinin.
cm	: Centimeter
CMA	: Cow's milk protein allergy.
CNS	: Central nervous system.
dl	: Deciliter.
DNA	: Deoxyribo nucleic acid.
EDTA	: Eythylene diamine tetraacetic acid.
E.H	: Entamoeba histolytica.
ENS	: Enteric nervous system.
E.V.	: Enterobius vermicularis.
F	: Father.
GEF	: Gastroesophageal reflux.
GI	: Gastrointestinal.
GIP	: Gastric inhibitory polypeptide or Glucose – dependent insulino- tropic peptide.
G.L	: Giardia lamblia.
GRP	: Gastrin releasing peptide.
H ₂ O	: Water.
HCl	: Hydrochloric acid.
HCO ₃	: Bicarbonate.
Ig G	: Immunoglobulin G.
kg	: Kilogram.

M	: Mother.
mg/ dl	: Miligram per deciliter.
min	: Minutes.
ml	: Mililiter.
MMC	: Migrating myoelectrical complex.
NPY	: Neuro-peptide Y.
NSB	: Non specific binding.
NT	: Neurotensin.
pg /ml	: Picogram per mililiter.
PH	: Hydrogen ion concentration.
PHI	: Peptide histidine isoleucine.
PHM	: Peptide histidine methionine.
pmol/L	: Picomol per liter.
PP	: Pancreatic polypeptide.
PYY	: Peptide Tyrosin Tyrosin.
R1A	: Radioimmunoassay.
RNA	: Ribonucleic acid.
SAT	: State anxiety test.
SD	: Standard deviation.
TAT	: Trait anxiety test.
TB	: Total binding.
TC	: Total count.
USA	: United States of America.
VIP	: Vasoactive intestinal peptide.