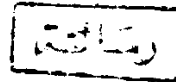


IMPACT OF ZINC STATUS ON PHAGOCYTIC FUNCTIONS IN KWASHIORKOR

A Thesis
Submitted in Partial Fulfillment of
The Master Degree in Pediatrics



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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ
قالوا سبحانك لا علم لنا
إلا ما علمتنا إنك أنت
العليم الحكيم

سورة البقرة

سورة البقرة " آية ٣٢ "

DEDICATED

TO THE MEMORY
OF MY FATHER

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Ola Abd El-Aziz El-Masry

LIST OF ABBREVIATIONS

a.a	: amino acids.
ad Libitum	: on demand
AE	: Acrodermatitis Enteropathica.
AIDS	: Acquired Immune Deficiency Syndrome.
ATP	: Adenosine Triphosphate.
C°	: Centigrade.
CT	: Computerized Tomography.
Cu	: Copper.
DIC	: Disseminated Intravascular Coagulopathy.
DNA	: Deoxyribonucleic acid.
DNCB	: Dinitrochlorobenzene.
FA	: Fatty acids.
FAA	: Free amino acid.
FFA	: Free fatty acid.
GH	: Growth hormone.
HDL	: High density lipoprotein.
H ₂ O ₂	: Hydrogen peroxide.
Ig	: Immunoglobulin.
IQ	: Intelligence Quotient
IU	: International Unit.
K	: Potassium.
K cal	: Kilocalories.
K J	: Kilojoules.
KWO	: Kwashiorkor.
L	: Litres.
LBW	: Low birth weight.
M Eq	: Milliequivalent.
ml	: Milliliter.
mm ³	: cubic millimeter.
mmol	: millimole.
Mn	: Manganese.
MRI	: Magnetic Resonance Imaging.
Na	: Sodium.

nm	: nanometre.
O ₂	: Oxygen.
PEM	: Protein energy malnutrition.
PGE	: Prostaglandin E ₂ .
PHA	: Phytohemagglutinin.
RDA	: Recommended daily allowance.
Se	: Selenium.
TNF	: Tumor necrosis factor.
ug	: microgram.
umol	: micromol
WHO	: World Health Organization.
Zn	: Zinc

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