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B17743

Serum transferrin receptors in newborns, healthy children, and children with iron deficiency anemia

Thesis submitted in the partial Fulfillment of the Requirements for Degree of Master in Pediatric

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2003

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سورة النحل آية ٥٣

ACKNOWLEDGEMENT

Acknowledgment

First of all, great thanks for " **ALLAH**", for helping me in my life and in this work.

I would like to express my deepest gratitude to Prof. Dr. **Zeinab Ahmed Esmail**, Professor and Head of Clinical Pathology Department, Faculty of Medicine, Minia University. She has kindly guided my steps and was always providing expert advice and counseling. And for his generous help and support precious advises.

I am deeply grateful to Dr. **Sawsan Mahmoud El-Bana**, Lecturer of Pediatrics, Faculty of Medicine, Minia University, for her valuable help, expert advice and continuous encouragement throughout this work. I feel greatly thankful for her close supervision and generous cooperation.

My appreciation and great thank to Dr. **Gamal Baheeg Mohamed**, Lecturer of Pediatrics, Faculty of Medicine, Minia University. For his valuable help, expert advice and generous assistance in this work.

Many thanks to Prof. Dr. **Salem Ahmed Sallam**, Professor and Head of Pediatric Department, Faculty of Medicine, Minia University, for his generous assistance and help in conducting this work.

Last but not least, I would like to express my deep feelings to all colleagues in the pediatric department in Minia University Hospital, for their co-operation and generous assistance.

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LIST OF ABBREVIATIONS

ACD	:	Anemia of chronic diseases.
CLL	:	Chronic lymphocytic leukemia.
DCT_1	:	Divalent Cation Transporter_1.
2,3DPG	:	2,3 diphosphoglycerate.
ELISA	:	Enzyme linked immunosorbent assay.
EP	:	Erythrocyte Protoporphyrin.
EPO	:	Erythropoietin.
Fig.	:	Figure.
Fl	:	Femto-liter.
FRP	:	Ferritin repressor protein.
HB conc.	:	Hemoglobin concentration.
HIV.	:	Human immunodeficiency virus.
ID	:	Iron deficiency.
IDA	:	Iron deficiency anemia.
IDE	:	Iron-deficient erythropoiesis.
IFN - ά	:	Interferon-ά.
IL-2	:	Interleuken-2.
IRE	:	Iron responsive elements.
IRE-BPs	:	Iron-regulatory element binding proteins.
IRF	:	Iron regulatory factor.
IRMA	:	Immunoradiometric assay.
IRP	:	Iron regulatory proteins.
Kb	:	Kilobase.
M.C.H.C. (%)	:	Mean corpuscular hemoglobin concentration.
M.C.V	:	Mean corpuscular volume.
Mabs	:	Monoclonal antibodies.
m-RNA	:	Messenger-Ribonucleic acid.

NK	:	Natural killer cells.
NO	:	Nitric oxide.
P.C.V	:	Packed cell volume.
Plat.count	:	Platelet counts.
PSM	:	Prostate-specific membrane.
Ratio	:	STfRs / S.F.
R.B.C.	:	Red blood cell counts.
RDW	:	Red-cell distribution width .
Retic.	:	Reticulocytic count.
RHuEPO	:	Recombinant human erythropoietin.
RIA	:	Radioimmunoassay.
S.F	:	Serum ferritin.
S.I	:	Serum iron.
SD	:	Standard deviation.
Sig.	:	Significant.
STfRs	:	Serum transferrin receptors.
STfRs index	:	STfRs / log ferritin.
TfR	:	Transferrin receptor.
TfR2	:	Second transferrin receptor.
TfR-F Index	:	STfR/log ferritin index.
TIBC	:	Total iron binding capacity.
TMB	:	Tetramethylbenzidine .
TS	:	Transferrin saturation.
UIBC	:	Unsaturated iron binding capacity.
UTRs	:	Untranslated regions.

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INTRODUCTION & AIM OF THE WORK