

**THE CLINICAL VALUE OF VITAMIN B₁₂ AND
FOLIC ACID LEVELS IN MATERNAL AND
CORD BLOOD AND THEIR IMPACT
ON FETAL OUTCOME**

Thesis Submitted in Partial Fulfillment of the Master Degree
in Clinical and Chemical Pathology

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بسم الله الرحمن الرحيم

**قالوا سبحانك لا علم لنا إلا ما علمتنا
إنك أنت العليم الحكيم**

صدق الله العظيم

سورة البقرة الآية ٣٢

Acknowledgment

Thanks to ALLAH

Words can never express my deepest gratitude and appreciation to Prof. Dr. Gehan Kamal Hassan Ali, Prof. of Clinical Pathology, Faculty of Medicine, Ain Shams University, for her great supervision, unforgettable valuable generous advice and faithful guidance.

My particular and deepest thanks to Dr. Sawsan Said Hafez, Assistant Prof. of Clinical Pathology, Faculty of Medicine, Ain Shams University, for her guidance, supervision, stimulating suggestions, generous co-operation and assistance throughout this work.

My deepest appreciation goes to Dr. Nashwa Ahmed Adel El-Badawi, Assistant Prof. of Clinical Pathology, Faculty of Medicine, Ain Shams University, for her sincere devotion, unlimited patience, willing support and understanding.

I would like to express my deepest gratitude to Dr. Mohamed Hassan, Lecturer of Gynecology and Obstetrics, Faculty of Medicine, Ain Shams University, for his help in selection of patients and his assistance throughout the clinical part of this thesis.

Last but not least, no words could ever thank my family, my husband and my daughter who gave me a lot and received nothing.

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List of Abbreviations

Ado-B ₁₂	Adenosyl cobalamin.
AE	Acridinum ester.
Cbl	Cobalamin.
Cblin	Cobalophilin.
CH ₂ -THF	Methyl tetrahydrofolate.
CN. B ₁₂	Cyano cabalamin.
CPB	Competitive protein binding.
DNA	Desoxyribo nucleic acid.
DTT	Dithiothreitol.
FAO	Food and Agriculture Organization.
FH ₄	Tetrahydrofolate.
FH ₂	Dihydrofolate
FIGlu	Formimino - glutamic acid.
FI-THF	Formimino - Tetrahydrofolate.
F-THF	Formyl tetrahydrofolate.
Hb	Hemoglobin.
HplC	High performance liquid Chromatography
IF	Intrinsic factor.
IM	Intramuscular.
MCV	Mean corpseular volume.
Me-B ₁₂	Methyl cobalamin.
NTD	Neural tube defect.
OH-B ₁₂	Hydroxocobalamin.
ONTD	Open neural tube defect.
PO	Peroral.

Pte-Glu	Petroglutamic acid.
RDA	Recommended dietary allowance .
TBBC	Total B12 binding capacity
TCH	Transcobalamin II.
TCs	Transcobalamins.
WHO	World Health Organization .

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