

**A STUDY OF  
INSULIN-LIKE GROWTH FACTOR-I  
IN FULL TERM AND PRETERM NEONATES**

THESIS  
*Submitted for partial fulfillment of*  
Master degree  
In  
Pediatrics

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1998





بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

وَرَكْعَتَانِ فَكُنْ لِلَّهِ وَالرَّسُولِ سَاجِدًا

النساء (١١٣)



To

*My Father*

*For The Uncompromising Principles That  
Guided His Life*

*My Mother*

*For Leading Her Children into Intellectual  
Pursuits*

*My Sisters*

*For Making Everything Worthwhile*

*My Precious Family*

*For Their Abundant Support, For Their  
Patience and Understanding and For Their Love*

*Amin J El-Nady*



# Acknowledgement

*Words stop short when they come to express my gratefulness to my supervisors.*

*First, I would like to express my utmost gratitude to **Prof. Dr. Magda Abdel-Moneim khazbak**, professor of Pediatrics, Faculty of Medicine, Ain Shams University, for her kind supervision, endless patience and everlasting encouragement.*

*I also want to express my feelings of gratitude and thankfulness to **Prof. Dr. Salwa Mohamed Abu El-hana**, professor of Clinical Pathology, Faculty of Medicine, Ain Shams University, for her priceless guidance and precious advice.*

*My greatest thanks go to **Dr. Ibrahim Abu Seif**, lecturer of Pediatrics, Faculty of Medicine, Ain Shams University, for his relentless persistence to get the best out of this work.*

*Last but not least, my greatest thanks and best regards to my colleagues, wishing them the best in their careers.*

*Aman I El-Nady*



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### *List of Abbreviations*

AGA	Appropriate for gestational age
Arg	Argenine
BP	Blood Pressure
CBC	Complete Blood Count
CNS	Central Nervous System
CS	Cesarean section
CSF	Cerebro-Spinal Fluid
DM	Diabetes Mellitus
EGF	Ectodermal Growth Factor
EPO	Erythropoietin
FGF	Fibroblast Growth Factor
FSH	Follicular Stimulating Hormone
GA	Gestational Age
GH	Growth Hormone
GI	Gastro-Intestinal
Gly	Glycine
HC	Head Circumference
hGH	human Growth Hormone
HPL	Human Placental Lactogen
HR	Heart Rate
IGF-I	Insulin-like growth factor-I
IGFBP	Insulin-like growth factor-binding protein
IGFs	Insulin-like growth factors
IUGR	Intra Uterine Growth Retardation
KDa	Kilo Dalton
Leu	Leucine
LGA	Large for Gestational Age
LH	Leutinizing Hormone
Log	Logarithmic
Lt	Length
M6P	Mannose-6-Phosphate

MW	Molecular Weight
NGF	Nerve Growth Factor
NVD	Normal Vaginal Delivery
P	Probability value
PDGF	Platelet Derived Growth Factor
PL	Placental Lactogen
Pro	Proline
PROM	Premature Rupture of Membranes
RIA	Radio Immuno Assay
RDS	Respiratory Distress Syndrome
RR	Respiratory Rate
SD	Standard Deviation
Ser	Serine
SGA	Small for Gestational Age
Sms	Somatomedins
Temp	Temperature
TMB	TetraMethylBenzidine
U/S	Ultra Sound
VD	Vaginal Delivery
Wks	Weeks
Wt	Weight

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