

شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها على هذه الأفلام قد أعدت دون أية تغيرات



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار في درجة حرارة من 15-25 مئوية ورطوبة نسبية من 20-40% To be Kept away from Dust in Dry Cool place of 15-25- c and relative humidity 20-40%





شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم

Study of serum calcidiol level in cases of hypocalcaemic convulsions during the first 6 months of life

Thesis

Submitted to the Faculty of Medicine
University of Alexandria,
In Partial Fulfillment of the
Requirements for the Degree of

Master of Pediatrics

نم خافشہ الدسانہ علیہ! بحدیج مثث المباری الحامی شافرارے کا کھی رہے ہے۔ المباری بیشربر مختار ۔۔۔)!

Mohammed Atef El-Naggari

MBBch. (Alex.)

تعروب د/بصراو

Faculty of Medicine
Alexandria University



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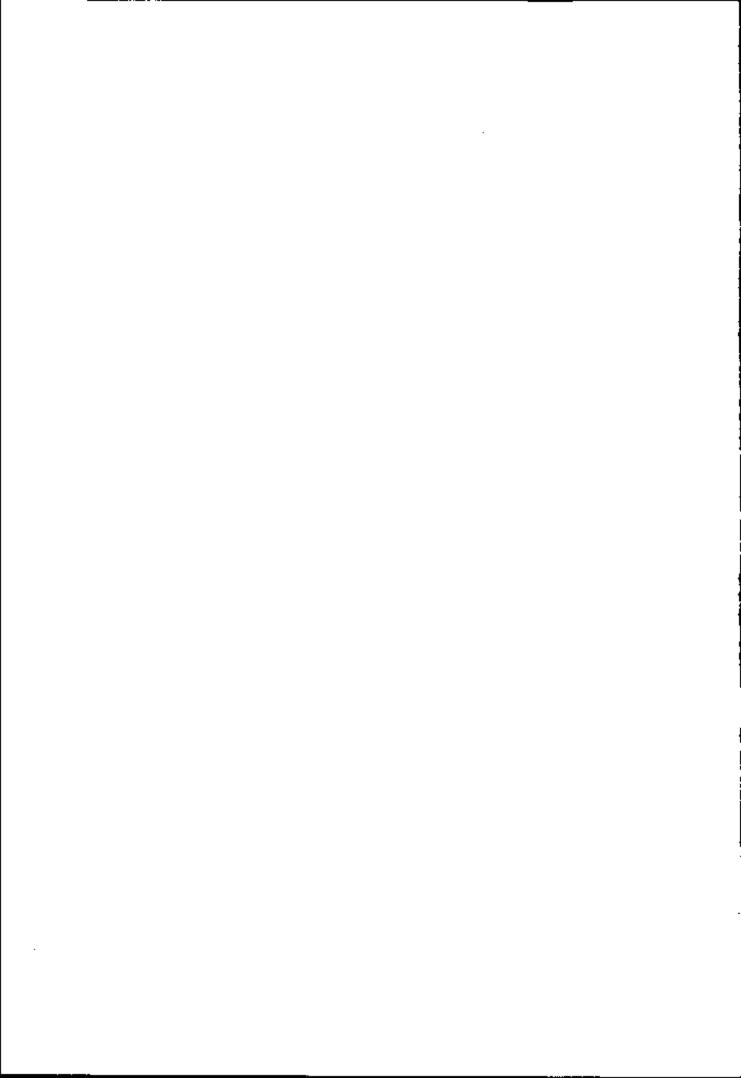
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CONTENTS

Chapter	Page
1. Introduction	1
2. Aim of the work	33
3. Subjects	34
4. Methods	35
5. Results	51
6. Discussion	. 74
7. Summary and Conclusion	86
8. Recommendation	90
9. References	. 91
Protocol	
Arabic summary	



List of abbreviations

Ca : Calcium.

P : phosphorus.

Mg : magnesium.

PTII : parathyroid hormone.

 $1,25(OH)_2 D_3$: 1,25 dihydroxyvitamin D.

ATP : adenosine triphosphate.

DNA : deoxyribonucleic acid.

RNA : ribonucleic acid.

25-(OH)D : 25 hydroxyvitamin D.

Pre-pro-PTH: pre-proparathyroid hormone.

mRNA : messenger ribonucleic acid.

PGA type I : type I polyglandular autoimmune disease.

ADH : autosomal dominant hypocalcaemia.

PHP: pseudohypoparathyroidism

AHO : Albright's hereditary osteodystrophy.

 $G_s \alpha$: alpha subunit of the stimulatory G protein.

TSH: thyroid stimulating hormone.

Pseudo-PHP : Pseudo-pseudohypoparathyroidism.

CGRP : calcitonin gene-related peptide.

D2 : ergocalciferol.

D3 : cholecalciferol.

TC

: transcalciferin.

VDR

; vitamin D receptor.

RXR

: retinoic acid receptor.

IÜ

: international unit.

VDDR I

: Vitamin D-dependent rickets type I.

VDDR II

: Vitamin D-dependent rickets type II.

CNS

: central nervous system.

RIA

: Radio immunoassay.

SD

: Standard deviation.

BUN

: Blood urea nitrogen

ALP

: alkaline phosphatase.

AKUH

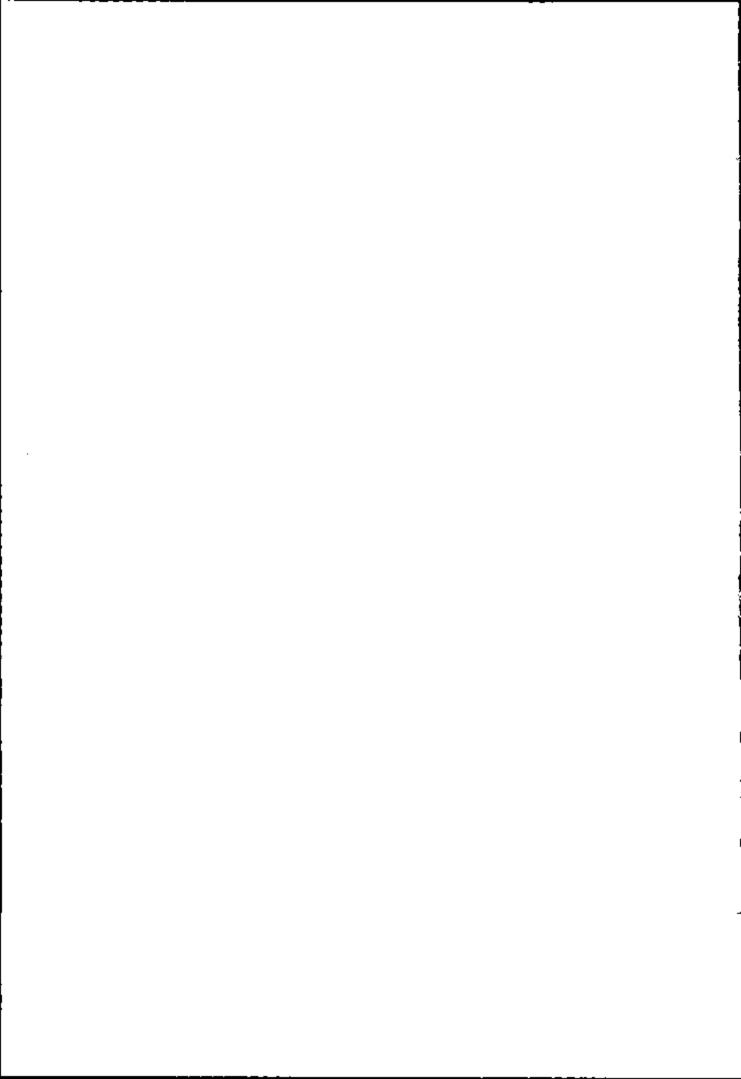
: Aga Khan Hospital.

SPF

: solar penetration factor.

USA

: United States of America.



Acknowledgment

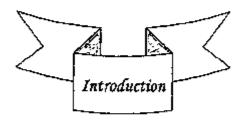
First and foremost, thanks are all to "Allah".

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1.Introduction