بسم الله الرحمن الرحيم

MONA MAGHRABY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

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تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

MONA MAGHRABY

Developmental Care Implementation on Preterm Neonates in Ain Shams University Pediatric Hospitals: An Interventional Study

Thesis
Submitted for Fulfillment of Master's Degree in Pediatrics

By

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بسم الله الرحمن الرحيم
قالوا سبحانك لا علم لنا إلا ما علمتنا
إنك أنت العليم الحكيم
صدق الله العظيم

(٣٢، البقره)

Acknowledgment

*First and foremost, I feel always indebted to **Allah**, The Most Kind and The Most Merciful.*

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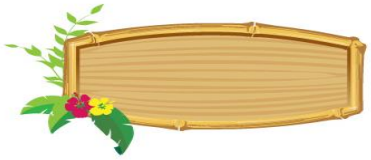
Nour El Eman Magd El Deen Menchawy Othman El Kholy



Dedication

To: My: Parents, Family, Professors, Colleagues, Nurses & All who particiapated in this message

All nice & fruitful words aren't enough to express my respect and appreciation to ***all of them*** *for their beneficial help and support.*

I would like to express my great, faithful & sincerely thanks to ***Allah,*** *then to* ***all of them*** *for their cooperation till this work was completed.*

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List of Abbreviations

Abb.	Full term

ASU.....Ain Shams University.
CBF .....Cerebral blood flow.
CVS.....Cardiovascular.
CNS.....Central nervous system.
CPAP .....Continuos positive air way pressure.
CSF.....Cerebrospinal fluid.
DIC .....Disseminated intravascular coagulopathy.
DM.....Diabetes mellitus.
Echo.....Echocardiogram.
EEG .....Electroencephalogram.
ETT .....Endotracheal tube.
GER .....Gastro-esophageal reflux.
GA.....Gestational age.
GIT .....Gastrointestinal tract.
HR.....Heart rate.
IVH .....Intraventricular haemorrhage.
NICU .....Neonatal intensive care unit.
NIDCAP……... Newborn Individualized Developmental Care and Assessment Program
NISS.....Neonatal infant stressor scale.
N-PASS .....Neonatal pain agitation sedation scale.
O2 .....Oxygen.

List of Abbreviations (Cont…)

Abb.	Full term
OFC	*Occipitofrontal circumference.*
PAU/S	*Pelviabdominal ultrasound.*
PIVH	*Periventricular-intraventricular haemorrhage.*
PROM	*Premature rupture of membrane.*
RDS	*Respiratory Distress Syndrome.*
ROP	*Retinopathy of prematurity.*
RR	*Respiratory rate.*
TCU/S	*Transcranial ultrasound.*
UTI	*Urinary tract infection.*
U/S	*Ultrasound.*
VBG	*Venous blood gas.*
Wk, wks	*Week, weeks.*
-ve	*Negative.*

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INTRODUCTION

Developmental care is an approach to individualize care of infants to maximize neurological development & reduce long-term cognitive and behavioural problems, support the infants & their families with a focus on environmental influences affecting neurologic development, encouraging frequent assessment & responses to a baby's needs, minimizing the stress of the preterm neonates in the neonatal intensive care unit (NICU) ***(Wroblewski & Meyer, 2018).***

The process of developmental care involves forming an environment for the infant that minimizes stress while providing a developmentally appropriate experience for the infant and family ***(Abbott and Israel, 2008).***

Interventions include: optimal handling, optimal positioning, reduction of light, reduction of noise, cluster care & cue-based care, skin to skin contact, non-nutritive suckling, kangaroo care, buffering for any painful procedure by associating it with pleasant touch or smell ***(Graven & Perinatol, 2000).***

Developmental care had led to dramatic increase in survival of very low birth weight infants (<1500 g), yet they continue to experience a range of health & neurodevelopmental challenges that extend into adolescence & young adulthood.The