



First 24 hours Intervention on Neurological Comatose Patient

Thesis

Submitted in partial fulfillment for the requirement of
Master Degree in Nursing Science (Medical - Surgical Nursing)

By

Nessrien Osman Elsayed

B.Sc. Nursing

Demonstrator in the High Institute of Nursing, Ain Shams University

610.73677
N. O

Supervisors

52996

Dr.

Tahany Ahmed El-Senousy

Assist. Professor of
Medical Surgical Nursing
High Institute of Nursing
Ain Shams University

Dr.

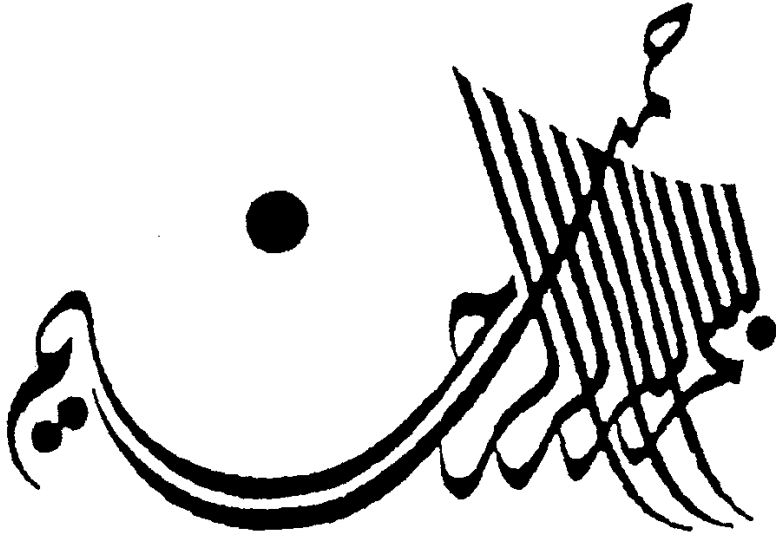
Kamelia Fouad Abdalla

Lecturer of Medical - Surgical Nursing
High Institute of Nursing
Ain Shams University

High Institute of Nursing
Ain Shams University
1997







قَالُوا

سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا بِمَا عَلَّمْتَنَا
إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صَدَقَ اللَّهُ الْعَلِيمُ

الآيَةُ (٢١) سُورَةُ الْبَقَرَةِ

Acknowledgement

I am deeply indebted to Dr. Tahany El-Senosy, Assist. Professor of Medical Surgical Nursing Dept., High Institute of Nursing, Ain Shams University, for her guidance, suggestions and continuous advice, scrupulous supervision

My deep appreciation to Dr. Kamelia Fouad Abdalla, Lecturer of Medical Surgical Nursing Dept., High Institute of Nursing, Ain Shams University, for her guidance and generous help during the various phases of the study

Nessrien Osman

CONTENTS

	<i>Page</i>
INTRODUCTION	1
AIM OF THE STUDY	2
REVIEW OF LITERATURE	3
MATERIAL & METHODS	73
R E S U L T S	83
DISCUSSION	119
CONCLUSION	163
RECOMMENDATIONS	138
SUMMARY	139
REFERENCES	
APPENDIX	
Appendix I: Patient assessment	
Appendix II: Observation checklist for nursing care of neurological comatose patient	
Appendix III: Observation checklist for neurologist dealing with neurological comatose patient	
Appendix IV: Observation checklist for physiotherapist dealing with neurological comatose patient	
Appendix V: Observation checklist for health technicians dealing with neurological comatose patient	

CONTENTS (CONT.)

	<i>Page</i>
Appendix VI: Observation checklist for dietitian dealing with neurological comatose patient	
Appendix VII: File study sheet	
ARABIC SUMMARY	

LIST OF TABLES

	<i>Page</i>
Table (1): Patient characteristics	84
Table (2): Respiratory system assessment	86
Table (3): Cardiovascular system assessment	87
Table (4): Gastrointestinal system assessment	88
Table (5): Patient neurological system assessment	
according to Glasgow coma scale	89
Table (6): Urinary system assessment	91
Table (7): Integumentary system assessment	92
Table (8): Relationship between Respiratory System	
assessment and Patient Diagnosis	93
Table (9): Relationship between Cardiovascular System	
assessment and Patient Diagnosis	94
Table (10): Relationship between Gastrointestinal System	
assessment and Patient Diagnosis	95
Table (11): Relationship between patient neurological	
system assessment (according to Glasgow Coma	
Scale) and patient diagnosis	96
Table (12): Relationship between Urinary System	
assessment and Patient Diagnosis	98

LIST OF TABLES (CONT.)

	<i>Page</i>
Table (13): Relationship between Integumentary System assessment and Patient Diagnosis	99
Table (14): Characteristics of nurses data	100
Table (15): Correlation between nurses assessment and their intervention towards neurological comatose patients	101
Table (16): Common item mistakes of nurses dealing with neurological comatose patients	103
Table (17): Performance of neurologist towards neurological comatose patients	105
Table (18): Performance of health technicians towards neurological comatose patients	107
Table (19): Common items not done by health technicians dealing with neurological comatose patients	109
Table (20): Performance of dietitian towards neurological comatose patients	111

LIST OF FIGURES

	<i>Page</i>
Fig. (1): Respiratory system assessment	113
Fig. (2): Cardiovascular system assessment	114
Fig. (3): Gastrointestinal system assessment.....	115
Fig. (4): Urinary system assessment	116
Fig. (5):Integumentary system assessment	117
Fig. (6): Mean nursing assessment & intervention in the two health settings	118

LIST OF ABBREVIATIONS

C.S.F.	: Cerebrospinal Fluid
CAT-Scan	: Computed Axial Tomography Scan
E.E.G.	: Electro-Encephalogram
EENT	: Ear, Eyes, Nose, and Teeth
ETT	: Endo-Tracheal Tube
G.I.T.	: Gastro-Intestinal Tract
Gravity TF	: Gravity Tube Feeding
Gyn	: Gynecology
I.V.	: Intravenous
M.R.I.	: Magnetic Resonance Imaging
NG Tube	: Naso-Gastric Tube
ROM	: Range of motion
Trach.	: Tracheostomy

