



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



شبكة المعلومات الجامعية
@ ASUNET



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



شبكة المعلومات الجامعية

جامعة عين شمس

التوثيق الالكتروني والميكرو فيلم

قسم

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



يجب أن

تحفظ هذه الأفلام بعيدا عن الغبار

في درجة حرارة من ١٥-٢٥ مئوية ورطوبة نسبية من ٢٠-٤٠%

To be Kept away from Dust in Dry Cool place of
15-25- c and relative humidity 20-40%

بعض الوثائق الأصلية تالفة

بالرسالة صفحات لم ترد بالاصل

**Impact of Performing Breathing and Coughing
Exercises on Prevention/Reduction of Bronchial
Asthma Complications among Adult Asthmaticus
in Shebien El-Kome Hospitals**

Thesis

**Submitted for Partial Fulfillment of Master Degree in Medical
Surgical Nursing**

By

Khadiga Ahmed El-Hefnawy

Supervisor

Prof. Dr. Warda Youssef Mohammed

Warda Youssef
**Professor of Medical Surgical Nursing,
and Head of Critical Care Unit and Emergency Nursing
Cairo University**

**Faculty of Nursing
Menoufiya University**

2003

977
Ch

Approval Sheet

Impact of Performing Breathing and Coughing Exercise on Prevention/Reduction of Bronchial Asthma Complication among Adult Asthmaticus in Shebien El-Kome Hospitals

By

Khadiga Ahmed El-Hefnawy

B. Sc. Nursing Science

This Thesis For Master Degree



Has been approved by

Prof. Dr. *Magda Moawad Mouhsen*

Dean of Nursing Faculty, and the Head of
Community Nursing Department
Menoufiya University

Prof. Dr. Shadia Amin Sharaf

Sharaf
Head of Medical Surgical Nursing
Department, Faculty of Nursing
Cairo University

Prof. Dr. *Warda Youssef Mohammed*

Warda Youssef
Professor of Medical Surgical Nursing,
and Head of Critical Care and Emergency Unit, Faculty of Nursing
Cairo University

Date of Examination 18/2/2003

2003

ACKNOWLEDGMENT

First of all, thanks to **ALLAH**, without his help nothing could be accomplished.

I would like to express my endless gratitude and appreciation to all supervisors **Prof. Dr. Warda Youssef Mohammed**, Professor of Medical Surgical Nursing, and Head of Critical Nursing and Emergency Unit, Faculty of Nursing. Cairo University, for giving me the honor of working under her supervision, for her honest assistance in every step of this work, also for providing me a lot of encouragement and support throughout this work and for providing me with active participation and kindness; **Dr. Amal Mohamed El-Badawy**, Lecture of Medical Surgical Nursing, Menoufiya University for here assistance and encouragement.

I'm grateful to the patients and doctors for their kind cooperation in accomplishing my thesis.

TABLE OF CONTENTS

	Page
ACKNOWLEDGMENT.....	
TABLE OF CONTENTS.....	
LIST OF TABLES.....	
LIST OF FIGURES	
LIST OF ABBREVIATIONS	
ABSTRACT	
CHAPTER I: INTRODUCTION	
Significance of The Study	3
Aim of the study	4
Hypotheses	5
Theoretical framework	6
Limitations of the study	6
CHAPTER II: LITERATURE REVIEW	
Bronchial asthma	8
Management of asthma and nursing role	22
Prognosis of asthma	36
Nursing care during asthma attack	36
CHAPTER III: SUBJECTS AND METHODS	
Design	41
Variables	42
Hypotheses	42
Setting	43
Subjects	43
Protection of human rights	43
Instrumentation	44
Description of experimental treatment	46
Methods	48
Data analysis	50

CHAPTER IV: RESULTS

Presentation and data analysis	51
Description of subjects	52
Criteria used by researcher for selecting the patient for clinical experience	53
Tests of hypotheses	54
Additional relationship between findings pertinent to the study	66
Correlations	88

CHAPTER V: DISCUSSION

Sociodemographic characteristics of participants	91
Relationship between asthma attacks and sex	92
Length of hospitalization	93
Asthma symptoms	93
Dyspnea analogue score	94
ABGs values	96
Vital signs	97
The mean knowledge score	98
The mean practice score	99
Correlation between knowledge and practice	100

CHAPTER VI: SUMMARY AND CONCLUSIONS

SUMMARY	101
Conclusions	105
Implication	106
Recommendation	107
REFERENCES.....	109
APPENDICS	
ARABIC SUMMARY	

LIST OF TABLES

Tables no.	Page
1- Difference between study and control group subjects in relation to sociodemographic variables	52
2- Comparison between study and control group subjects as regards to smoking and past history of illness	53
3- Comparison between study and control group subjects in relation to knowledge, practices, dyspnea, vital signs, arterial blood gases values and the frequency of nocturnal dyspnea all through the 3 assessments.	54
4- Mean and standard deviation of total and subtotal mean knowledge scores obtained by the respondents pre, immediate post and after one month of intervention among study and control group subjects.	56
5-Mean and standard deviation of total and subtotal practice scores obtained by the respondents pre, immediately post and after one month of intervention among study and control group subjects.	58
6- Comparison between study and control groups in relation to hospital stay/days	60
7- Comparison between study and control group subjects as regards the occurrence and severity of prominent asthma symptoms all through the study period.	61
8-a Comparison between study and control groups as regard of asthma symptoms	62
8-b Comparison between study and control groups as regard of asthma symptoms	64

- 10- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to sex during pre assessment 66
 - 11- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to sex during immediately post rest 67
 - 12- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to sex after one month. 69
 - 13- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to education during pre assessment 71
 - 14- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to education during Immediately Post 72
 - 15- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to education after one month. 74
 - 16- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to occupation during pre assessment. 76
 - 17- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to occupation during immediately post assessment. 77
 - 18- Mean and standard deviation of respondent's Knowledge, Practice, Dyspnea , Vital signs, ABGs and Frequency of episodes in relation to occupation after one month. 79
-