

سامية محمد مصطفى



شبكة المعلومات الجامعية

بسم الله الرحمن الرحيم



سامية محمد مصطفى



شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



شبكة المعلومات الجامعية

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



يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



سامية محمد مصطفى



شبكة المعلومات الجامعية



بعض الوثائق الأصلية تالفة



سامية محمد مصطفى



شبكة المعلومات الجامعية



بالرسالة صفحات لم ترد بالأصل



ASSESSMENT OF KNOWLEDGE, OPINION AND PRACTICE OF
THE FAMILY CAREGIVER REGARDING HEARING IMPAIRMENT
AMONG PRESCHOOLER CHILDREN.

By
Azza Saied Ahmed Zaied
(B.Sc.N.)

Thesis
Submitted In Partial Fulfillment Of The Master Degree
In Community Health Nursing

Thesis Supervisors

Dr. Nagah Mahmoud Adbou
Deputy of Education and
Student's Affairs
Faculty of Nursing
Cairo University

Dr. Nagat Said Ibrahim
Assistant Professor
Community Nursing
Faculty of Nursing
Cairo University

Dr. Mohamed EL- Dabae
Head of Audiology Department
in Hearing and speech Institute,
Ministry of Health

FACULTY OF NURSING
CAIRO UNIVERSITY

2003

B

١٠٣٤١

Assessment of Knowledge, Opinion and Practice of The Family Caregiver Regarding Hearing Impairment Among Preschool Children

Abstract

By

Azza Saied Ahmed Zaied

The aim of this study was to assess knowledge, opinion, and practice of caregivers regarding preschool hearing impaired child.

A total "100" caregivers with their children were selected under certain criteria from the out-patient clinic of Embaba Hearing and Speech Institute. The criteria included: (a) age: 2-5 years (b) degree of hearing loss (mild, moderate, severe loss), (c) not mentally retarded. Three tools were designed to collect the required data. First; a questionnaire sheet was used to collect information about demographic characteristics of children and their caregivers, personal and family history, caregivers knowledge. It included also the reported practice of the caregiver. Secondly; A-3- level-likert scale used to measure caregiver's opinion and thirdly; an observation checklist to assess the interaction between family caregivers and the child. The study revealed that only 7% of caregivers had satisfactory knowledge, (46%) had favourable opinions and the majority (84%) had satisfactory practice toward children with hearing impairment. Around two third of children (65.0%) had history of otitis media. Most of cases were discovered before the first and two years of life (37.0% and 40.0% respectively). One-hundred percent (100.0%) were treated by the hearing aids fitting. Furthermore, the study showed significant relationship between caregiver's opinion and residence ($P < 0.01$) and consanguinity ($P = 0.04$). The study recommended increasing caregivers' awareness regarding early detection and care of children with hearing impairment.

Signed.....
Chairperson of this Thesis

Acknowledgement

Praise be to Allah, the Merciful, the compassionate for all countless gifts I have been offered. One of these gifts is accomplishing this research work.

Words can never express my hearty thanks and indebtedness to Dr. Nagah Mahmoud Abdou Deputy of Education and Student's Affairs, Faculty of Nursing, Cairo University, who always gave much of her time, effort, and support sincere advice. Suggestions and guidance for the perfection of study.

I would like to express my deepest gratitude and appreciation to Dr. Nagat said Ibrahim, Assistant Professor of Community Healthy Nursing, Cairo University, for her intensive support and advice for the fulfillment of this study.

I am deeply grateful to Dr. Mohamed EL- Badr Youssif. El- Dabae Consultant in Hearing and speech Institute, Ministry of Health, for his guidance, close supervision constructive criticism and encouragement.

I am especially indebted to the Staff of Community Health Nursing Department for their assistance and support for the completion of this work.

Last but not least, I am quite grateful to all who helped me in the accomplishment of the work.

Table of Contents

	Page
Chapter I:	
Introduction - - - - -	1-4
- Aim of the study - - - - -	3
- Significant of the study - - - - -	3
Chapter II:	
Review of literature - - - - -	5-95
- Anatomy of the ear - - - - -	5
- Sound - - - - -	8
- Physiology of hearing - - - - -	9
- Definitions of hearing impairment - - - - -	14
- Incidence and prevalence - - - - -	16
- Types of hearing impairment - - - - -	21
- Etiology of hearing impairment - - - - -	23
- Degree of hearing impairment - - - - -	28
- Risk factors - - - - -	30
- Management of hearing impairment - - - - -	32
I. Early detection - - - - -	32
II. Treatment - - - - -	52
III. Communication and behavioral intervention - - -	66
IV. Consultation / Referral - - - - -	71
- Prevention of hearing impairment - - - - -	72
1. Primary prevention - - - - -	74
2. Secondary prevention - - - - -	74
3. Tertiary prevention - - - - -	75
- Role of care giver - - - - -	77
- Nursing intervention - - - - -	79

Chapter III:

Subjects and Methods - - - - -	96-100
- Aim of the study - - - - -	96
- Research questions - - - - -	96
- Research design - - - - -	96
- Sampling technique - - - - -	96
- Setting of the study - - - - -	97
- Tools of data collection - - - - -	97
- Pilot study - - - - -	99
- Procedure - - - - -	99
- Statistical analysis - - - - -	100

Chapter IV:

Results - - - - -	101-130
-------------------	---------

Chapter V :

Discussion - - - - -	131-143
----------------------	---------

Chapter VI :

Summary, Conclusion and recommendations - - - - -	144-147
References - - - - -	148-163
Appendix - - - - -	164- 176
Research Proposal - - - - -	
Arabic Summary - - - - -	

List of tables

Table No	Title	Page
<u>Tables of Literature Review</u>		
1.	The size of the problem in the world : WHO (1995).	17
2.	The size of the problem in Africa : WHO (1995).	17
3.	The size of the problem in Asia : WHO (1991).	18
4.	The size of the problem in the Middle East : WHO (1991).	19
5.	Prevalence of Hearing impairment among Egyptian Children.	20
6.	Causes of Childhood hearing Impairment in Egypt.	20
7.	Distribution of Children According to Type and Degree of Hearing Impairment.	21
8.	Etiology of Hearing Impairment in Children.	26
9.	The degrees (levels) of hearing impairment associated with common causes and probable needs.	28
10.	Indicators Associated With Sensorineural and/or Conductive Hearing Loss.	30
11.	The risk factors arranged by age groups.	31
12.	Health history.	38

13.	Physical Assessment.	39
14.	Hearing Impairment: Diagnostic Considerations.	41
15.	Clinical Manifestation of Hearing Impairment.	42
16.	Indicators for Referral for Audiometric assessment.	42
17.	Diagnostic Tests and Procedures for Evaluating Hearing.	44
18.	Goals and Strategies for Auditory Screening According to Age.	51
19.	Types of hearing aids.	62
20.	Communication Techniques for a Child with a Hearing Impairment	68
21.	A summary of different type of prevention : WHO (1995)	75