



# **Care Provided by Mothers to their Children with Epilepsy**

## **Thesis**

Submitted in Partial Fulfillment of the Requirement of  
the Doctorate Degree

**In**

**Nursing Sciences**

**Community Health Nursing**

## **Supervisors**

**Dr. Hanaa Abdel Hakiem Ahmed**

Prof. of Community Health Nursing Department

**Dr. Seham Guirguis Ragheb**

Assist. Prof. and Head of Community Health Nursing

**Dr. Nadia Ebrahim Abd El-Atty**

Lecturer of Community Health Nursing

Faculty of Nursing  
Ain Shams University

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**By**

**Manal Mohamed Moselhy**

**M. Sc. Nursing  
Community Health Nursing**

Faculty of Nursing  
Ain Shams University

**2016**

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

سببنا نك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العظيم

صدقة الله العظيم

سورة البقرة الآية: ٣٢

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*The candidate*

**Manal Mohamed Moselhy**

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## **List of abbreviation**

Anti- Epileptic Drugs	: <b>AEDs</b>
Arteriovenous Malformation	: <b>AVM</b>
Attention Deficit Hyperactivity Disorder	: <b>ADHD</b>
Autism spectrum disorder	: <b>ASD</b>
Blood Urea Nitrogen	: <b>BUN</b>
Bone Mineral Density	: <b>BMD</b>
Cardio Pulmonary Resuscitation	: <b>CPR</b>
Central nervous system	: <b>CNS</b>
Cerebral Palsy	: <b>CP</b>
Children's Community Nursing Team	: <b>CCNT</b>
Children with Epilepsy	: <b>CWE</b>
Complete Blood Count	: <b>CBC</b>
Complex partial seizure	: <b>CPS</b>
Computed Tomography	: <b>CT</b>
Crude lifetime prevalence rate	: <b>CPR</b>
Electroencephalography	: <b>EEG</b>
Emergency Medical Services	: <b>EMS</b>
Epilepsy Specialist Nurses	: <b>ESN</b>
The Epilepsy treatment gap	: <b>ETG</b>
Executive Function	: <b>EF</b>

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Generalized Tonic-Clonic convulsion	: <b>GTCC</b>
Health Care professionals	: <b>HCP</b>
Health Related Quality of Life.	: <b>HRQoL</b>
High Income Countries.	: <b>HICs</b>
Intelligence Quotient.	: <b>IQ</b>
International League Against Epilepsy.	: <b>ILAE</b>
International Bureau for Epilepsy.	: <b>IBE</b>
Ketogenic Diet	: <b>KD</b>
Low-or Middle-Income Countries.	: <b>LMICs</b>
Magnetic Resonance Imaging.	: <b>MRI</b>
National Institute for Clinical Excellence.	: <b>NICE</b>
People with Epilepsy.	: <b>PWE</b>
Quality of Life.	: <b>QoL</b>
Quality of Life in Childhood Epilepsy Questionnaire.	: <b>QoLCEQ</b>
Status Epilepticus.	: <b>SE</b>
Sudden Unexplained Death in Epilepsy	: <b>SUDEP</b>
Vagus Nerve Stimulation	: <b>VNS</b>
World Health Organization	: <b>WHO</b>
World Health Organization Quality of Life group	: <b>WHOQOL</b>
Youth with epilepsy	: <b>YWE</b>

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## **ABSTRACT**

**The aim of the study:** to develop an educational program for the mothers who provide care to their children with epilepsy through: **(1)** Assessing the mothers' knowledge and practices regarding care of their children with epilepsy; **(2)** Assessing the quality of life of the children with epilepsy **(3)** Developing and implementing an educational program about care of children with epilepsy; and **(4)** Evaluating the effect of the developed educational program on mothers' knowledge, practices and children's quality of life. **Methods:** A convenience sample consisted of 80 mothers and their school age children with epilepsy. **Data were collected** through the following three tools: **(1)** Mothers and their Epileptic Children Structured Interviewing Questionnaire regarding socio demographic characteristics of the study samples, mothers' knowledge and practices towards childhood epilepsy, **(2)** Child Seizure Profile (Medical record), and **(3)** Quality of Life in Childhood Epilepsy Questionnaire. **Results:** there was statistical significant improvement in mothers' knowledge post/follow-up program implementation **97.5%** and **93.7%**, respectively. Also significant improvement in the mothers' practices post/follow-up program implementation **86.3%** and **77.5%**, respectively, while QoL improvement post-program implementation **62.0%** and promoted up **70.1%** during follow-up phase in program implementation with statistical significant differences (**P<0.000**). **Conclusions:** The developed educational program have a significant positive impact on mothers' knowledge, practices and QoL of their children with epilepsy post/follow-up program implementation. **Recommendation:** enhancing child's quality of life by conducting periodical educational program for the mothers and their children with epilepsy at the out-patient clinics, also providing them with updated posters and distributing the developed Arabic booklet about childhood epilepsy.