



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكروفيلم

# بسم الله الرحمن الرحيم



**MONA MAGHRABY**



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# شبكة المعلومات الجامعية التوثيق الإلكتروني 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 تغييرات



## يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



**MONA MAGHRABY**

**Needs Assessment of Children with  
Cerebral Palsy Undergoing Hyperbaric  
Oxygen Therapy**

**Thesis**

*Submitted for Partial Fulfillment of the Requirement  
of Master Degree in Pediatric Nursing*

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## **List of Abbreviations**

<i>Abbrev.</i>	<i>Meaning</i>
<b>ABI</b>	: Acquired Brain Injury
<b>ADLs</b>	: Activities of Daily Living
<b>AFO</b>	: Ankle-foot Orthosis
<b>ASD</b>	: Autism Spectrum Disorder
<b>ATA</b>	: Atmosphere Absolute
<b>BNA</b>	: Baromedical Nursing Association
<b>CAM</b>	: Complementary and Alternative Medicine
<b>CDCP</b>	: Centers for Disease Control and Prevention
<b>CO</b>	: Carbon Monoxide
<b>CP</b>	: Cerebral Palsy
<b>GMFCS</b>	: Gross Motor Function Classification System
<b>HBOT</b>	: Hyperbaric Oxygen Therapy
<b>H.C</b>	: Hyperbaric Chamber
<b>HIE</b>	: Hypoxic-Ischemic Encephalopathy
<b>HN</b>	: Hyperbaric Nursing
<b>IUGR</b>	: Intrauterine Growth Restriction
<b>LBW</b>	: Low Birth Weight
<b>MEB</b>	: Middle Ear Barotrauma
<b>NFPA</b>	: National Fire Protection Association
<b>NIRT</b>	: Nasser Institute for Research and Treatment
<b>PT</b>	: Physical Therapy
<b>PVL</b>	: Periventricular Leukomalacia
<b>ROP</b>	: Retinopathy of Prematurity
<b>S.D</b>	: Spastic Diplegia
<b>S.H</b>	: Spastic Hemiplegia

<b>S.Q</b>	:	Spastic Quadriplegia
<b>SCP</b>	:	Spastic Cerebral Palsy
<b>SES</b>	:	Socioeconomic Status
<b>SLT</b>	:	Speech and Language Therapy
<b>SPSS</b>	:	Statistical Package for Social Science
<b>UHMS</b>	:	Undersea and Hyperbaric Medicine Society
<b>URI</b>	:	Upper Respiratory Infections
<b>US</b>	:	United State
<b>WHO</b>	:	World Health Organization
<b>X<sup>2</sup></b>	:	Chi- square test
<b>SPSS</b>	:	Statistical Package for Social Sciences.

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## Abstract

The study aimed to assess needs of children with cerebral palsy undergoing hyperbaric oxygen therapy. **Research Design:** A descriptive design was used to conduct this study. **Settings:** This study will be conducted at Hyperbaric Oxygen Therapy Unit at Nasser Institute for Research and Treatment. **Subject:** A convenient sample composed of 110 children fulfilling the inclusion criteria of the study and their accompanying parents. **Tools:** data collection involved an interviewing questionnaire adapted from (Narayanan et al, 2006). **Results:** this study showed that the needs of children were physical, psychological, social. Also the majority of studied children total dependent on their parents to fulfilling their needs. **Conclusion:** the needs of children include: braces, crutches to help moving in hyperbaric chamber, ways to facilitate communication, instructed about middle ear equalization, reassurance, family support during period of treatment . **Recommendation:** Further researches should be conducted to develop strategy to overcome unfulfilled health needs of children with cerebral palsy undergoing hyperbaric oxygen therapy.

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**Keyword:** Cerebral Palsy, Hyperbaric Oxygen Therapy