



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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التوثيق الإلكتروني والميكروفيلم



شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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MONA MAGHRABY

Assessment of Nurses Performance regarding Triage in Pediatric Emergency Care Units

Thesis

Submitted for Partial fulfillment of the Master Degree
in Pediatric Nursing

By

Noha Sabry Soliman

B.Sc Nursing (2006)

Clinical Instructor in Technical Nursing School
Abo-Homos-Behera

**Ain Shams University
Faculty of Nursing
2020**

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Supervised by

Prof. Dr. Iman Amin Mohammed

Professor of Pediatric Nursing
Faculty of Nursing- Ain Shams University

Assist.Dr. Zeinab Fathy Elsayed

Assistant Professor of Pediatric Nursing
Faculty of Nursing, Ain Shams University

**Ain Shams University
Faculty of Nursing
2020**



*First and forever, thanks to **ALLAH**, Almighty for giving the strength and faith to complete my thesis.*

*I am deeply grateful to **Prof. Dr. Iman Amin Mohammed**, Professor of Pediatric Nursing, Faculty of Nursing, Ain shams University for her constructive, criticism, unlimited help and giving me the privilege to work under her supervision.*

*I would like to express my sincere gratitude to **Dr. Zeinab Fathy Elsayed**, Assistant Professor of Pediatric Nursing, Faculty of Nursing, Ain shams University for her supervision, efforts and time she has devoted to accomplish this work.*

I would like also to express my deep thanks to all those who contributed by giving their experience, time, effort, and encouragement to accomplish this work.

 **Moha sabry soliman**

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List of Abbreviations

<i>Abbr.</i>	<i>Meaning</i>
AAP	: American Academy of Pediatrics
ATS	: Australasian Triage Scale
CTAS	: Canadian Triage and Acuity Scale
MTS	: Manchester Triage System
ESI	: The Emergency Severity Index
ECG	: Electrocardiography
ED	: Emergency Department
ICU	: Intensive Care Unit
EDHS	: Egypt Demographic Health Survey
EtCO₂	: End-Tidal Carbon Dioxide
IMR	Infant Mortality Rate
MDGs	: Millennium Development Goals
OPQRST history	: Onset of the event, Provocation or Palliation, Quality of the pain, Region and radiation, Severity and Time (history)
PAT	: Pediatric Assessment Triangle
SDGs	: Sustainable Development Goals
SpO₂	: Stands for Saturation of Peripheral Oxygen
TICLS	: Tone, Inter activeness, Consol ability, Look or Gaze, and Speech or Cry
US	: The United States
WHO	: World Health Organization

Abstract

Triage is an essential function of staff in emergency department. The triage nurse is typically the first person a patient encounter when presenting for emergency care in the Emergency Department. **Aim:** was assess the performance of nurses regarding triage in pediatric emergency care units. **Design:** A descriptive study. **Sampling:** A convenience sample was include 60 pediatric emergency nurses. **Setting:** The study was conducted at two areas: Pediatric emergency unit at Children Hospital affiliated to Ain-Shams University and Damanhur National Medical Institute Hospital affiliated to the General Organization for Teaching Hospitals and Institutes. **Tools:** **1st tool:** Interviewing Questionnaire format to assess socio- demographic data of the studied nurses, assess the nurses' knowledge and nurses' reported practice regarding pediatric triage, **2nd tool:** Observational Checklist used to assess nurses' practice regarding pediatric triage. **Results:** The majority of the nurses had poor total knowledge about triage system, and average total reported practice level respectively. A statistically significant relation was found between nurses' knowledge level and their reported practice level. **Conclusion:** Majority of the studied nurses had poor total knowledge regarding triage system. Also, significant positive correlations were found between the nurses' knowledge and practices scores in using quick assessment of triage and practices scores using primary assessment of triage. **Recommendation:** Introduce the concept of "triage nursing" and make it a top priority on the health agenda of policy makers and within the organizational structure of the health system.

Keywords: Triage, Emergency nursing, knowledge, Practice,
Triage decision

Introduction

The number of pediatric patients arriving at emergency departments (EDs) has increased over the past few years in developed high income countries but also in low income countries, partly because of self-referrals, resulting in overcrowded ED. This raised a concern of the need for a system that prioritizes patients in the order of urgency. Many hospitals in low-income countries lack a formal triage system in their EDs (**Afaya et al., 2017**).

This increase in sick childrens density leads to longer waiting times in the ED, delays in the treatment having more serious health conditions, decrease in pediatric patient satisfaction, decrease in the quality of service, safety problems, and decrease in the productivity of healthcare professionals (**Yaman and Alemdar, 2017**).

Emergency Department Triage, where triage officers, usually nurses, routinely assess all patients who present for treatment to sort and prioritize them. Emergency Department Triage Systems are typically designed to identify the most urgent (or most serious) cases to ensure that they receive priority treatment, followed by the less urgent cases on a first-come, first-served basis (**Ingeborg et al., 2013; Christ et al., 2010**).