



شبكة المعلومات الجامعية  
التوثيق الإلكتروني والميكرو فيلم

# بسم الله الرحمن الرحيم



**MONA MAGHRABY**



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التوثيق الإلكتروني والميكروفيلم



# 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 تغيرات



### يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار



**MONA MAGHRABY**

**Assessment of the Health Team Performance  
in the First 24 Hours Regarding  
Patients with Stroke**

**Thesis**

**Submitted for fulfillment of the requirement of  
the Master degree**

**In**

**Medical - Surgical Nursing  
(Critical Care Nursing)**

**By**

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**2020**





وَأَنْزَلَ اللَّهُ عَلَيْكَ  
الْكِتَابَ وَالْحِكْمَةَ  
وَعَلَّمَكَ مَا لَمْ تَكُنْ  
تَعْلَمُ وَكَانَ فَضْلُ  
اللَّهِ عَلَيْكَ عَظِيمًا

صدق الله العظيم

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**First and foremost, I feel always indebted to Allah, the Most Beneficent and Merciful. I can do nothing without Him.**

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 **Eman Khalel Abd El- Rhman Khalel**

## Assessment of the Health Team Performance in the First 24 Hours Regarding Patients with Stroke

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### Abstract

Stroke is a leading cause of death and disability worldwide. It is a complex disease and medical emergency that requires immediate medical attention, efforts and skills of all members of the multidisciplinary team to minimize brain damage and potential complications especially in the first 24hrs. **Aim of the study** assess the health team performance in the first 24hrs regarding patients with stroke. **Design:** An exploratory descriptive study **Setting:** The study was carried out and conducted in the stroke ICU, neuro-surgical ICU, the emergency and neurosurgery department at Nasr Institute Hospital for research and treatment. **Study subjects:** A purposive sample consists of (60) nurses and (40) neurologists and ICU physicians their mean age was  $34.5 \pm 8.28$  and  $36.10 \pm 7.94$  respectively. **Data collection tools:** a) health team self-administered questionnaire. b) Health team practice observational checklist and c) Health team self-administered form (attitude scale). **Results:** Firstly; (60%, 51.7% & 55.0%) of the nurses under the study had unsatisfactory level of knowledge, practice and a negative attitude in the first 24 hours regarding patients with stroke respectively. Secondly; (65%, 60% & 55%) of the neurologists and ICU physicians under the study had satisfactory level of knowledge, practice and a positive attitude in the first 24 hours regarding patients with stroke respectively. Furthermore, there was a highly statistically significant relation between nurses' knowledge, practice, attitude and their demographic data. Also, there was a highly statistically significant relation between neurologists and ICU physicians' knowledge, practice, attitude and their demographic data. **Conclusion:** About two thirds of nurses had an unsatisfactory level of knowledge, about more than half of them had unsatisfactory level of practice and more than half of them had a negative attitude. More than two thirds of neurologists and ICU physicians had a satisfactory level of knowledge, about two thirds of them had a satisfactory level of practice and more than half of them had a positive attitude. **Recommendation:** This study recommends the importance of in- service training courses and designing health team educational program to enhance their knowledge and improve their practice in the first 24hrs regarding patients with stroke and minimize complications after stroke.

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**Keywords:** *Health team, performance, patient, 24hrs after stroke.*



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## **List of Abbreviations**

<i>Abbr.</i>	<i>Full-term</i>
<b>ABC</b>	: Airway- Breathing – Circulation
<b>ABGs</b>	: Arterial Blood Gases
<b>ACLS</b>	: Advanced Cardiovascular Life Support
<b>ADLs</b>	: Activity Daily Life
<b>AHA/ASA</b>	: American Heart Association and American Stroke Association
<b>AIS</b>	: Acute Ischemic Stroke
<b>a-PTT</b>	: Activated Partial Thromboplastin Time
<b>ATP</b>	: Adenosine Triphosphate
<b>AVERT</b>	: A Very Early Rehabilitation Trial
<b>AVM</b>	: ArterioVenous Malformation
<b>BP</b>	: Blood Pressure
<b>CBC</b>	: Complete Blood Count
<b>CNS</b>	: Central Nervous System
<b>CPSS</b>	: Cincinnati Prehospital Stroke Scale
<b>CT</b>	: Computerized Tomography
<b>CVA</b>	: Cerebro- Vascular Accident
<b>CVS</b>	: Cerebro-Vascular Stroke
<b>D<sub>5</sub>W</b>	: Dextrose 5% in Water
<b>DC</b>	: Direct Current
<b>DVT</b>	: Deep Venous Thrombosis
<b>e.g</b>	: For Example

<b>ECG</b>	: Electro-Cardio-Graph
<b>ED</b>	: Emergency Department
<b>EDP</b>	: Evidence-Based Practice
<b>EEG</b>	: Electro-Encephalo-Gram/Electro-Encephalo-Graph
<b>EMS</b>	: Emergency Medical Systems
<b>EMTs</b>	: Emergency Medical Technicians
<b>ETT</b>	: EndoTracheal Tube
<b>F.A.S.T.</b>	: Face, Arm, Speech, Time
<b>FDA</b>	: Food Drug Administration
<b>FEES</b>	: Fiberoptic Endoscopy Evaluation of Swallowing
<b>GCS</b>	: Glasgow - Coma Scale
<b>GI</b>	: Gastro-Intestinal
<b>Hrs</b>	: Hours
<b>ICH</b>	: Intracerebral Hemorrhage
<b>ICP</b>	: Intracranial Pressure
<b>ICU</b>	: Intensive Care Unit
<b>INR</b>	: Institute for Natural Resources
<b>INR</b>	: International Normalization Ratio
<b>IPC</b>	: Intermittent Pneumatic Compression
<b>IV</b>	: Intravenous
<b>L/day</b>	: Liter Per day
<b>L/min</b>	: Liter Per Minute
<b>LAPSS</b>	: Los Angeles Prehospital Stroke Screen
<b>LKW</b>	: Last Known Well

<b>LOC</b>	: Level of Consciousness
<b>MCA</b>	: Malignant Middle Cerebral Artery
<b>MCQs</b>	: Multiple choices questions
<b>MEND</b>	: Miami Emergency Nerurological Deficit
<b>mg/dl</b>	: Milligram Per Deciliter
<b>mL/h</b>	: Millimeter Per Hour
<b>mm Hg</b>	: Millimeters of Mercury
<b>MRI</b>	: Magnetic Resonance Imaging
<b>NANDA</b>	: North American Nursing Diagnosis Association
<b>NG</b>	: Nasogastric
<b>NINDS</b>	: National Institute of Neurological Disorders and Stroke
<b>NPO</b>	: Nil Per Os latin / "Nothing By Mouth
<b>NS</b>	: Normal Saline
<b>NSA</b>	: National stroke association
<b>O2</b>	: Oxygen
<b>P</b>	: Pulse
<b>PEG</b>	: Percutaneous Gastrostomy
<b>PERRLA</b>	: Pupils Equal, Round, React to Light and Accommodation
<b>Ph</b>	: Potential Hydrogen
<b>PNS</b>	: Peripheral Nervous System
<b>PT</b>	: Prothrombin Time
<b>R</b>	: Respiration

<b>RN</b>	: Registered Nurse
<b>SAH</b>	: Subarachnoid Hemorrhage
<b>Sao2</b>	: Oxygen saturation
<b>T</b>	: Temperature
<b>TIA</b>	: Transient Ischemic Attack
<b>tPA</b>	: Tissue Plasminogen Activator
<b>TTM</b>	: Targeted Temperature Management
<b>UI</b>	: Urinary Incontinence
<b>UTI</b>	: Urinary Tract Infection.
<b>VFS</b>	: Video Fluoro-Scopy
<b>WHO</b>	: World Health Organization

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