بسم الله الرحمن الرحيم

MONA MAGHRABY

شبكة المعلومات الجامعية

التوثيق الالكتروني والميكروفيلم

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التوثيق الإلكتروني والميكروفيلم

جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

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MONA MAGHRABY

Nurses' Performance Regarding Care of Patients with Hypovolemic Shock: Suggested Guideline

Thesis

Submitted for Partial Fulfillment of Master Degree in Nursing Science ***(Critical Care Nursing)***

By

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2020

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Submitted for Partial Fulfillment of Master Degree in Nursing Science ***(Critical Care Nursing)***

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Nurses' Performance Regarding Care of Patients with Hypovolemic Shock: Suggested Guideline

Abstract

Background: Hypovolemic shock is a clinical syndrome of inadequate tissue perfusion; it results in a decreased supply of oxygen and nutrients to cells leading to widespread cellular necrosis, multiple organ dysfunction and failure then death. **Aim** This study aimed to assess nurses performance regarding care of patients with hypovolemic shock **Design** A descriptive explorative design was utilized for the conduction of this study. **Setting** The study was carried out at medical and surgical emergency room at new emergency hospital affiliated to Ain Shams University. **Study subject** A convenience sample of all available nurses working at the previous mentioned setting **Tools I** – nurses' self – administrated questionnaire form which composed of nurse's demographic characteristics' and nurses' knowledge questionnaire, **II** nurses' practice observational checklist. **Results** revealed that 53.33% of the studied nurse's had inadequate total level of knowledge about caring of patients with hypovolemic shock, while 56.7%had inadequate level of practice regarding caring of patients with hypovolemic shock. **Conclusion** there were statistical significant relation between the studied nurses**'** level of knowledge and their practice regarding caring of patients with hypovolemic shock. **Recommendations** Further research is recommended to evaluate the effect of training program on nurse's performance regarding caring of patients with hypovolemic shock

Keywords: Nurses performance, hypovolemic shock, suggested guidelines

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List of abbreviations

Abb.	*Full Term.*
aPTT	Activated Partial Prothrombin Time
ALI	Acute Lung Injury
AMI	Acute Myocardial Infarction
ARF	Acute Renal Failure
ARDS	Acute Respiratory Distress Syndrome
ATP	Adrenosine Triphosphate
AVPU	Alert, Verbal, Painful, Unresponsive
AMPLE	Allergy,Medictions,Previous Medical History or Ilness ,Last Meal, Event.
ADH	Antidiuretic Hormone
BP	Blood Pressure
CVP	Central Venous Pressure
CSF	Cerebro Spinal Fluid
DDAVP	Damino Darginie Arginine vasopression
ECG	Electrocardiography
EMS	Emergency Medicine Service
ETT	Endotracheal tube T
NIRS	Near Infrared Spectroscopy
EDP	Energias De Potugal
GIT	Gastrointestinal Tract
GCS	Glasgow Coma Scale
IV	Intravenous
LOC	Level Of Conscious
MAP	Mean Arterial Pressure
NG	Nasogastric
NANDA	North American Nursing Diagnosis Association
N	Number
spo2	Oxygen Saturation
PPE	Protective Personnel Equipment's
PT	Prothrombin Time
PEA	Pulseless Electrical Activity
ROM	Range Of Motion
STEMI	St-Elevation Myocardial Infarction

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Introduction

Hypovolemic shock is a medical emergency and an advanced form of hypovolemia due to insufficient amounts of blood and/or fluid inside the human body to let the heart pump enough blood to the body. hypovolemic shock occurs when there is decreased intravascular volume to the point of cardiovascular compromise. And also could be due to severe dehydration through a variety of mechanisms or from blood loss. ***(Maxine, 2018).***

Hypovolemic shock is most often the result of blood loss after a major blood vessel bursts or from a serious injury. This is called hemorrhagic shock. can also get it from heavy bleeding related to pregnancy, from burns, or even from severe vomiting and diarrhea. Recent trends in damage control resuscitation focus on "hemostatic resuscitation" which pushes for early use of blood products rather than an abundance of crystalloids in order to minimize the metabolic derangement. **(*McGee& Steven 2018)***

The term hypovolemia refers collectively to two distinct disorders: (1) volume depletion, which describes the loss of sodium from the extracellular space (i.e., intravascular and interstitial fluid) that occurs during gastrointestinal

hemorrhage, vomiting, diarrhea, and diuresis; and (2) dehydration, which refers to the loss of intracellular water (and total body water) that ultimately causes cellular desiccation (***Hooper, Nicholas; Armstrong& Tyler. 2018).***

Complications of hypovolemic shock, Multiple organ dysfunction syndrome, the multiy system failure or multiple organ dysfunction involved all body systems and these are a complications of hypovolemic shock. Acute respiratory distress syndrome, cardiac arrest, renal failure, cerebral confusion, drowsiness and irritability and gastrointestinal tract (GIT) paralytic ileus ***(Sanders, 2017).***

Nurses' role focusing on the care of patient who require prompt medical attention to avoid the long term disability or death, the role of nurse also is to evaluate and monitor patients and manage their care in emergency department, it can be a challenge to get everything done quickly and correctly in an ever changing environment.also the nurse have a range of expertise demonstrated across a range of knowledge and skills which they acquired through continuous professional development ***(Dellinger, 2018).***