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شبكة المعلومات الجامعية التوثيق الالكتروني والميكرونيلم





جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

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Proposal Protocol for Management of Health Needs among Patients Undergoing Intestinal Obstruction Surgery

A Thesis

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

By

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2021

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List of Contents

Title	Page No.
List of Tables	i
List of Figures	iii
List of Appendices	iv
List of Abbreviations	v
Abstract	vi
Introduction	1
Aim of the Study	6
Review of literature	7
Subjects and Methods	52
Results	64
Discussion	89
Conclusion	121
Recommendations	122
Summary	123
References	132
Appendices	162
Protocol	•••••
Arabic Summary	

List of Tables

Table No.	Title	Page	No.
Table (1):	Frequency and percentage distrib of the studied patients accordin their socio-demographic character	ig to	66
Table (2):	Frequency and percentage distrib of the studied patients regardin their present medical history	g to	68
Table (3):	Frequency and percentage distrib of the studied patients regardin their past medical history	g to	70
Table (4):	Frequency and percentage distribution of the studied patients regarding their physical needs assessment	g to	72
stu	Frequency and percentage distribundied patients regarding to aracteristics before surgery	their	pain
Table (6):	Frequency and percentage distrib of the studied patients regardin their psychological needs	g to	75
Table (7):	Frequency and percentage distrib of the studied patients regardin their social needs	g to	77
Table (8):	Frequency and percentage distribution the studied patients regarding to educational needs	their	79

Table (9):	Frequency and percentage distribution of the studied patients regarding to their spiritual needs
Table (10):	Relation between sociodemographic characteristics of the studied patients and their total physical needs regarding intestinal obstruction surgery
Table (11):	Relation between sociodemographic characteristics of the studied patients and their total psychological needs regarding intestinal obstruction surgery
Table (12):	Relation between sociodemographic characteristics of the studied patients and their total social needs regarding intestinal obstruction surgery
Table (13):	Relation between sociodemographic characteristics of the studied patients and their total educational needs regarding intestinal obstruction surgery
Table (14):	Relation between sociodemographic characteristics of the studied patients and their total spiritual needs regarding intestinal obstruction surgery
Table (15):	Correlation between the studied patients to total health needs

List of Figures

Figure N	o. Title	Page No.		
Figures in Review				
	Basic study of intestinal obstruc	etion 7		
	Before and after intestinal obstruc			
	surgery	8		
Figure (3):	Abdominal and pelvic adhesions: p surgical adhesions			
Figure (4):	Acontrast study showed a focal sm			
g (-)-	bowel obstruction			
Figure (5):	Colonoscopy procedure			
8 ()	171			
Figures in Result				
Figure (1):	Percentage distribution of the st patients related to their total phyneeds	ysical		
Figure (2):	Percentage distribution of the st patients related to their psychological needs	total		
Figure (3):	Percentage distribution of the st patients related to their total sneeds	social		
Figure (4):	Percentage distribution of the st patients related to their educational needs	total		
Figure (5):	Percentage distribution of the st patients related to their total spineeds	iritual		

List of Appendices

Appendix No.	Title	Page No.
Appendix I:	Patients' interviewing questionn	naire 163
Appendix II:	Patients' health needs assessmen	nt166
Appendix III:	Tools validity and reliability	171
Appendix IV:	The program	
]	Protocol	

List of Abbreviations

Abbr. **Full-term** ANA : American Nurses' Association **CT** : Computed Tomography CTZ : Chemoreceptor Trigger Zone \mathbf{ED} : Emergency Department **ETNs** : Enterostomal Nurse Therapists GIT : Gastrointestinal Tract **IBS** : Irritable Bowel Syndrome : Intestinal Obstruction 10 IV: Intravenous **LBOs** : Large Bowel Obstructions **MRI** : Magnetic Resonance Imaging NG : Naso Gastric **NSAIDs** : Non Steroid Anti-Inflammatory Drugs : Quality of Life OoL **SBOs** : Small Bowel Obstructions SD : Standard Deviation **SEMS** : Self-Expandable Metallic Stent **SPSS** : Statistical Program for Social Science

: World Health Organization

WHO

Proposal Protocol for Management of Health Needs among Patients Undergoing Intestinal Obstruction Surgery

Abstract

Background: Intestinal obstruction surgery is a common surgical emergency procedure due to a mechanical or functional blockage of the bowel. Obstruction frequently causes abdominal pain, nausea, vomiting, constipation and distention. Aim: The aim of this study was to propose a protocol for health needs management among patients undergoing intestinal obstruction surgery. **Design:** A descriptive exploratory design was utilized in carrying out this study. **Setting**: The study was conducted at surgical departments and outpatients' clinics at El Demerdash hospital. **Subjects:** A purposive sample of 90 adult patients undergoing intestinal obstruction surgery constituted the study sample. Tools: One tool was Patients' interviewing questionnaire it was used for data collection: includes three parts 1-sociodemographic characteristics. 2-Medical data 3-Health needs assessment questionnaire to assess physical, sheet. psychological, social, educational and spiritual needs. Results: the result of the study showed that less than half of the studied patients had moderate level related to total physical needs, scores less than two thirds of them had moderate level related to total psychological needs scores and slightly less than three guarters of them had moderate level related to total social needs scores. Moreover, slightly less than two thirds of the studied patients had low level related to total educational needs scores. While, slightly more than half of them had moderate level related to total spiritual needs. **Conclusion:** The highest needs were social needs followed by scores psychological, educational, spiritual and then later physical needs. There were highly statistically significant positive correlations between total physical, psychological, social, educational and spiritual needs of the studied patients undergoing intestinal obstruction **Recommendation:** Continuous assessment of the needs of the patients undergoing intestinal obstruction surgery is highly recommended.

Keywords: Health needs, Intestinal obstruction surgery.

Introduction

Intestinal obstruction also known as bowel obstruction is a mechanical or functional obstruction of the small or large intestines. The obstruction occurs when the lumen of the bowel becomes either partially or completely blocked. Obstruction frequently causes abdominal pain, nausea, vomiting, constipation and distention. This, in turn, prevents the normal movement of digested products. Small bowel obstructions (SBOs) are more common than large bowel obstructions (LBOs) (Behman et al., 2018).

The normal physiology of the small intestine is digestion of food and the absorption of nutrients. The large bowel continues to aid in digestion and is responsible for vitamin synthesis, water absorption, and bilirubin breakdown. Obstruction causes dilation of the bowel proximal to the transition point and collapses distally. A result of partial or complete blockage of digested products during obstruction is emesis (**Smith et al., 2020**).

Intestinal Obstructions are classified as a partial, complete, or closed loop. A closed-loop obstruction refers to a type of obstruction in the small or large bowel in which there is complete obstruction distally and proximally in the given segment of the intestine (**Doshi et al., 2018**).

Small and large intestinal obstructions are similar in incidence in both males and females. The overriding factor affecting incidence and distribution depends on patient's risk factors, including: previous abdominal surgery, colon cancer, chronic intestinal inflammatory disease, existing abdominal wall and/or an inguinal hernia, previous irradiation, and foreign body ingestion (Behman et al., 2018).

There are many potential etiologies of small and large bowel obstructions that are classified as either extrinsic or intrinsic. The most common cause of bowel obstruction is from extrinsic sources, with post-surgical adhesions being the most common. Significant adhesions can cause kinking of the bowel leading to obstruction. Other common extrinsic sources include cancer, which causes compression of the small bowel leading to obstruction. Less common but still prevalent extrinsic causes are inguinal and umbilical hernias. Untreated or symptomatic hernias may eventually become kinked as the small bowel protrudes through the defect in the abdominal wall and becomes entrapped in the hernia sack (Ten Broek et al., 2018).

A serious and life-threatening complication of intestinal obstruction is strangulation. Strangulation is more commonly seen in closed-loop obstructions. If the strangulated bowel is not treated promptly, it eventually becomes ischemic, and tissue