

Knowledge on Home Care Management after Cataract Surgery

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Abstract—A descriptive study was undertaken to assess the knowledge on Home care management among patients undergone cataract surgery in selected hospital, Salem. Sixty samples were selected by non-probability convenient sampling technique and the data was collected with structured knowledge questionnaire using interview method. The demographic characteristics revealed that that the highest 42% of them were in the age group of 51 – 60 years and 37% above 60 years, 57% were males, 24.1% had primary education, 78.3% were married, 40% were homemakers and 45% of their family monthly income was Rs. <5000. The overall distribution of Mean, SD and Mean percentage of the knowledge scores shows that the mean score was (20.85±5.931) with mean percentage 57.9% which represents an average level of knowledge on Home care management after cataract surgery.

Index Terms— Cataract Surgery

I. INTRODUCTION

The sense of vision is very important to every single person in this world. Vision allows the individual to do the basic things such as reading and writing. It also allows the individuals to do other daily activities such as learning, walking, buying and taking care of personal hygiene without help from others. Cataract a cloudy or opaque area in the transparent lens of the eye occurs due to clumping of cells or protein that affects the lens by thickening and obstructs entry of light. It leads to visual dysfunction ranging from mild to severe loss of vision.

Worldwide cataract is the most common cause of blindness and visual impairment. The World Health Report published in 1998 estimated that there were 19.34 million people who are bilaterally blind from age related cataract. This represented 43% of all blindness. The number of blind people in the world and the proportion due to cataract is increasing due to population growth, increasing longevity.

Cataracts are on the rise and they are more common today than ever before. Estimates predict that, currently, cataracts affect around 22 million adults aged 40 years or older and that by the year 2020, this number will have approximately doubled.

Cataract is the most common age related eye disease and the most treatable cause of visual loss in adults. It is responsible for 52.6% of blindness and 20.6% of visual impairments in the south west regions.

Eye care is one of the greatest public health challenges for the 21st century. More than 39 million people worldwide suffer from unnecessary blindness, more than half are due to cataract-which can be surgically treated. Most of these people live in the developing world where poor nutrition and limited access to eye care can mean a life limited by needless blindness. Knowledge regarding eye care at home after surgery is an essential aspect for patients undergoing cataract surgery. Numerous studies have shown that sight restoration with cataract surgery is among the most caused – effective intervention in health care.

II. STATEMENT OF THE PROBLEM

A study to assess the knowledge on Home care management among patients underwent cataract surgery in selected hospital, Salem.

III. OBJECTIVE OF THE STUDY

To assess the Knowledge on Home care management among patients underwent cataract surgery.

IV. METHODOLOGY

Descriptive research design using Qualitative evaluative approach among 60 patients underwent cataract surgery in a private eye hospital, Salem through non probability convenient sampling technique was adopted.

V. METHOD OF DATA COLLECTION

The necessary data was collected using structured knowledge questionnaire consisting of multiple choice questions on knowledge of Home care management after cataract surgery through interview technique.

TABLE I
THE OVERALL DISTRIBUTION OF KNOWLEDGE SCORES IN TERMS OF MEAN, SD AND MEAN PERCENTAGE ON HOME CARE MANAGEMENT AMONG THE PATIENTS UNDERGONE CATARACT SURGERY

Overall Knowledge scores	Maximum score	Mean	SD	Range	Mean%
Home care management after cataract surgery	36	20.85	5.931	12-33	57.9

VI. PLAN FOR DATA ANALYSIS

Collected data was analyzed by using descriptive statistics.

Section I: Analysis of mean percentage knowledge scores on Home care management among the patients undergone cataract surgery.

The overall distribution of Mean, SD and Mean percentage of the knowledge scores shows that the mean scores was (20.85±5.931) with mean percentage 57.9% which depicts average level of knowledge on Home care management after cataract surgery.

VII. CONCLUSION

The study findings represents that the patients with cataract had only average level of knowledge on home care management, as their length of stay in hospital was less after

their surgery. It was concluded that nurses should create more awareness regarding homecare management after cataract surgery during the pre-operative period which is very essential to prevent further complications.

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