

Assessment of Knowledge on Harmonic Scalpel Among Nurses Working in Operation Theatre

A. Yasodhamma*

Mohamed Sathak A.J. College of Nursing, Chennai, Tamil Nadu, India

ABSTRACT

The aim of the study is to assess the level of knowledge on harmonic scalpel among nurses. Descriptive research design was chosen. The size of the sample was 30 and convenience sampling technique used. The study result shows that 20 (67%) nurses had moderately adequate knowledge and 10 (33%) of them had adequate knowledge on harmonic scalpel. None of their demographic variables had significant association with level of knowledge on harmonic scalpel. None of their demographic variables had significant association with level of knowledge.

Keywords: emerging technologies, harmonic scalpel, knowledge, nurses

***Corresponding Author**

E-mail: yasodha.alika@gmail.com

INTRODUCTION

There are many emerging technologies that will change the practice of nursing in the coming decade. Today, numerous worldwide nursing discussions are sharing lessons around community-care delivery replicas, nursing governance and acceptance, interprofessional communication gears, and patient gateways [1]. Now is the time Developing ideas introduction of robust and sophisticated clinical information systems has prompted significant transformation in health care and focused greater attention on patient safety and outcomes [2]. Healthcare schemes are below growing pressure to advance efficiency while normalizing and rationalization administrative processes and preserving high-quality care [3, 6]. Operation theatre technology variations from time to period. In the recent years the trend of using harmonic scalpel has become part of soft tissue surgery for simultaneous cutting and hemostasis.

Need for the Study

The nurses need to know the method of preparing harmonic scalpel for its use as well as the maintenance of it. The nurses by exhibiting thorough knowledge on technological advances and skill in handling technology will improve the status and image of nursing. Nurses are vital role in the operation theatre [4, 5].

Objectives

- (1) Assess the level of knowledge on harmonic scalpel among nurses.
- (2) Associate the level of knowledge with selected demographic variables of the nurses.

METHODOLOGY

Research design – Descriptive research design

Setting – Sri Ramachandra hospital

Population – Nurses working in the operation theatre

Sample size – 30

Sampling technique – Convenience sampling

Tool – Demographic data and knowledge questionnaire

Data analysis – Descriptive and inferential statistics as depicted from Figure 1,2.

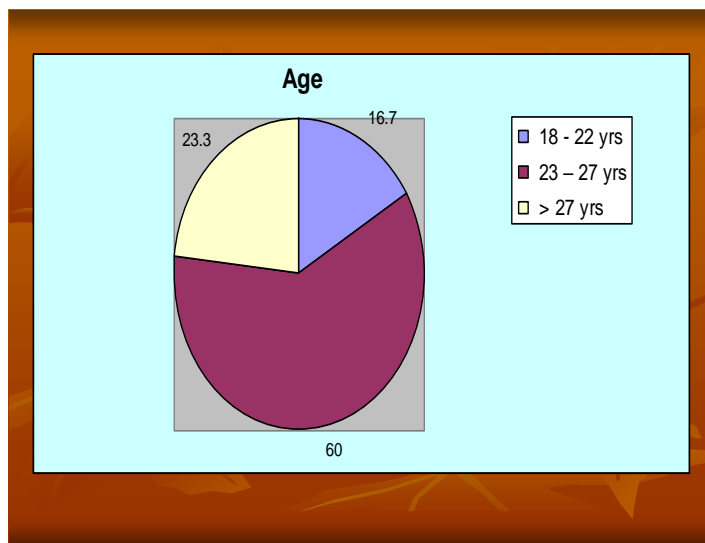


Fig. 1. Frequency and percentage distribution of the demographic variables of the age of nurses working in operation theatre (N = 30).

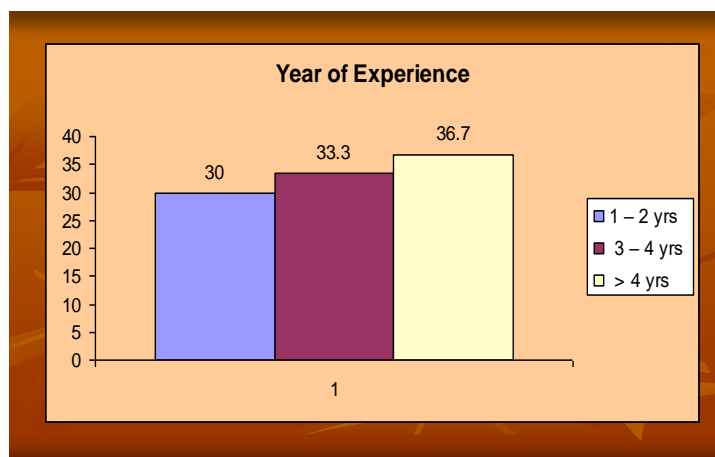


Fig. 2. Frequency and percentage distribution of the demographic variables of year of experience of nurses working in operation theatre (N= 30).

Table 1. Frequency and percentage distribution of the level of knowledge on harmonic Scalpel among nurses working in operation theatre (N=30).

Level of Knowledge	Number	Percentage (%)
Moderately	20	67.0
Adequate	10	33.0

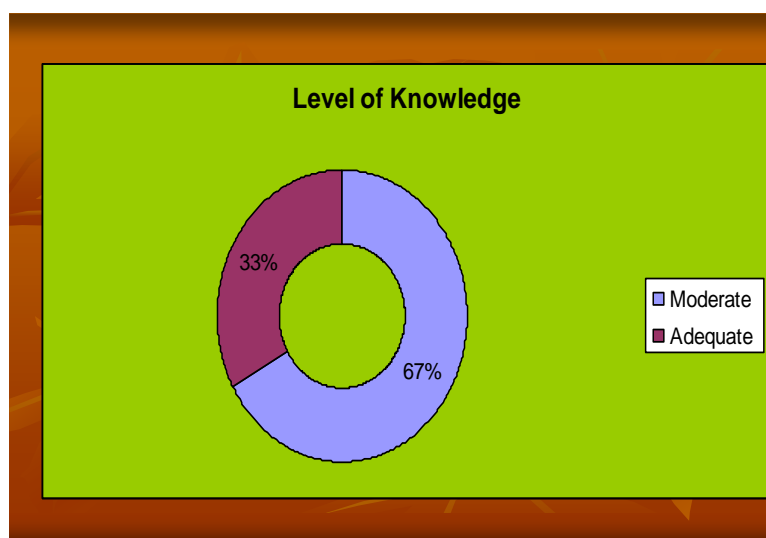


Fig. 3. Frequency and percentage distribution of the level of knowledge on harmonic Scalpel among nurses working in operation theatre (N=30).

RESULTS

The study from Table 1 and Figure 3 result shows that 20 (67%) nurses had moderately adequate knowledge and 10 (33%) of them had adequate knowledge on harmonic Scalpel. None of their demographic variables had significant association with level of knowledge.

DISCUSSION

The (2010) IOM report, *The Future of Nursing*, suggested that it is nurses who will be named up to fill mounting roles and to master scientific tools and information systems while cooperating and managing care across teams of health specialists. Nurse leaders must begin thinking now about how emerging technologies will change the practice of nursing and proactively generate the educational replicas and leadership development agendas essential to guarantee that nurses will have the capabilities they need to talk these emergent technologies. It must be nurses who are at the forefront in planning for and preparing for these challenges [5, 6].

CONCLUSION

Nurses must update their knowledge on emerging technology and their uses, advantages, precautions in order to render an effective nursing care.

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