

**A SURVEY TO ASSESS KNOWLEDGE, EDUCATION AND ATTITUDE OF
NURSING STAFF IN THE HOSPITAL REGARDING BIOMEDICAL WASTE
MANAGEMENT**

A dissertation submitted in a partial fulfillment of the requirements

For the award of

Post graduate diploma in hospital and health management

By

Dr. Deepti Vaidya

PG/09/12



Post-Graduate Programme in Hospital & Health Management,

New Delhi

1 April – 30 June 2011

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Under guidance of

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Post-Graduate Programme in Hospital & Health Management,

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1 April – 30 June 2011

Certificate of Internship Completion

TO WHOM IT MAY CONCERN

This is to certify that Dr. Deepti Vaidya has successfully completed her 3 months

Internship in our organization from April 1, 2011 to June 30, 2011. During this

Intern she has worked

on.....

..... (Task performed) under the guidance of me and my team at

..... (Organisation). (Any positive/negative comment)

We wish him/her good luck for his/her future assignments

(Signature)

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Certificate of Approval

The following dissertation titled “*A SURVEY TO ASSESS KNOWLEDGE, EDUCATION AND ATTITUDE OF NURSING STAFF IN THE HOSPITAL REGARDING BIOMEDICAL WASTE MANAGEMENT*” is hereby approved as a certified study in management carried out and presented in a manner satisfactory to warrant its acceptance as a prerequisite for the award of **Post- Graduate Diploma in Health and Hospital Management** for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein but approve the dissertation only for the purpose it is submitted. Dissertation Examination Committee for evaluation of dissertation

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This is to certify that Dr. Deepti Vaidya , a participant of the **Post- Graduate Diploma in Health and Hospital Management**, has worked under our guidance and supervision. She is submitting this dissertation titled “***A SURVEY TO ASSESS KNOWLEDGE, EDUCATION AND ATTITUDE OF NURSING STAFF IN THE HOSPITAL REGARDING BIOMEDICAL WASTE MANAGEMENT***” in partial fulfillment of the requirements for the award of the **Post- Graduate Diploma in Health and Hospital Management**. This dissertation has the requisite standard and to the best of our knowledge no part of it has been reproduced from any other dissertation, monograph, report or book.

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ABSTRACT

A SURVEY TO ASSESS KNOWLEDGE, EDUCATION AND ATTITUDE OF NURSING STAFF IN THE HOSPITAL REGARDING BIOMEDICAL WASTE MANAGEMENT

By

Dr. Deepti Vaidya

Background: Despite of the statutory provision of Biomedical Waste management, practice in Indian hospitals has not achieved the desired standard even after enforcement of law. In view of this, the present study on knowledge, attitude and education on the subject was carried out in cancer specialty hospital. The hospital is 207 bedded with research centre. This study was conducted over nursing staff of the hospital. Hospital has workforce of total 85 staff nurses working in different area.

Objective: The main aim of the survey is to know or assess the knowledge and awareness of staff regarding biomedical waste and its management and practices in their health care setting.

Biomedical waste management in hospital is very necessary initiative from all sides in order to reduce hospital infection rate and for patient / staff safety view.

Methodology: The study was based on a questionnaire designed to understand knowledge, attitude and educational assessment of staff nurses involved in patient care regarding biomedical waste management practices. This study enrolled 81 respondents (staff nurse) from different patient care area. These respondents have been asked about several aspects of biomedical waste management and their attitude and educational status. A grouped questionnaire containing both open and closed ended questions regarding BMW management are distributed among the 81 staff nurses. Out of these 81 staff nurses which has majority of female staff, total 60 staff nurses had responded back to the questionnaire that is 74% of nurses responded.

Conclusion: After analysis of the questionnaire it was found that due to shortage of nursing staff don't give much consideration toward this area. Those who know and aware of the same are so busy in their ward and department management that they cannot look into any problem or requirement to manage this area. Some of the new staff is not vigilant about the topic and hospital policy and it was found that they have not given a proper orientation in the hospital for the different area which also includes BMW. Staff responded for the education assessment that training has been given to them regarding the management but most of the new staff didn't undergone any such training and they are seeking to attend such classes.

Due to much attrition rate among nursing staff the new staff needs proper orientation about waste management and hospital waste management policy in order to take care of this and to manage it effectively.

There is a lot variation in the responses of the staff regarding the waste management and they are sometime confused about the matter asked. There was no any infection control committee who can take care of the area also. Some minor understanding also sometime missing in the staff .There was no any written SOP, chart of BMWM, biohazard symbol and cytotoxic symbol in the working area for staff reference and understanding. Ineffectiveness in there workings, lack of initiative may be due to lack of motivation from management side in any aspect which is also observed during the assessment.

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ACRONYMS/ ABBREVIATION

BMCHRC – Bhagwan mahaveer cancer hospital and research centre
OPD - Out patient department
IPD – In patient department
BMWM – Biomedical waste management
HIV – Human immune virus
AIDS – Acquired immune deficiency syndrome
ANS – Auxiliary nursing staff
OT – Operation theatre
GNM – Graduate Nursing and Midwife
IV – Intra venous
HIC – Hospital infection control
PPTC – Puncture proof transparent container