

Material and Methods

Research design: This study was descriptive study

Research setting

The study was conducted at the following settings:

1. Tanta University hospital , in the following wards:

- a- Emergency
- b- Medical –surgical
- c- Neuropsychiatry

These hospitals serve three governorates namely; El Gharbya, El Menofiya, and Kafr ElSheikh.

2. Tanta Mental Health Hospital:

This hospital is under the supervision and direction of ministry of health with a capacity of 170 beds and provides health care services to Gharbya Governate population.

Subject

The subjects of the present study included 200 nurses working in the previous settings and fulfilling the following criteria; experience in caring for suicidal attempt patient for at least one year were distributed as follows:

1- Psychiatric nurse

46 nurses worked at Tanta Mental health hospital and 21 nurses worked in neuropsychiatry department at Tanta University Hospital.

2- Emergency nurses group:

68 nurses worked in emergency department.

3- Medical-Surgical nurses group:

65 nurses worked in general Medical-Surgical wards .

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Tools of the study:

The data collected by using the following tools:

1- feeling word check list (FWC) (Appendix I).

This scale was developed by researcher based on *Rosberrge and Hoffrt (2003)*^(98,100,102). It aimed to measure nursing staff emotional reaction towards suicidal attempt behavior. It included 28 statements, 8 statements for positive emotional reaction as (empathetic, caring, enthusiastic, calm, confident, relax, objective and important), and 20 statements for negative emotional reaction as dislike, disparage, stupid, on guard, anxious, caution, threaten, bored, aloof, indifferent, empty, inadequate, sad, distressed, overwhelmed, confused, surprised, helpless, invalid, and reject.

Each statement was rated on a 5 point likert scale where 0=not at all, 1=usually, 2=always, 3= much, 4= very much. The total score=112 degree. This score was calculated for each nurse and classified into three group, **1-** weak (less than 60% i.e [67 degree]) **2-** moderate (above 60% i.e 67 degree, **3-**strong more than 75% i.e [84 degree]).

2- A structured questionnaire schedule:(Appendix I I)

This was designed by the researcher following a thorough review of literatures. It consisted of two parts.

Part one included:

Clinical and demographic characteristics of the nurses were as:

Age, sex, marital status, residence, religious, educational level, experience years in nursing field, experience years in dealing with suicidal patient.

Part two included:

Nurses' emotional reaction towards criteria of suicidal patient were; as patient sex, age, number of suicidal attempt, reasons for suicide attempt as personal stress, family stress, work problems, financial problems, legal problems, residency problems, diseases and accident, as well as methods of suicidal attempting namely; drugs over doses, toxic substances, burn, falling from high places, food rejection, hanging, and using blade.

Methods

- 1- The official approval was obtained from Ministry of Health and Tanta University Hospital to carry out the study.
- 2- The tools was distributed to verify validity and reliability of nine experts of psychiatric, psychology, and nursing fields.
- 3- A pilot study was done before embarking in the field of work, to ascertain the clarity and applicability of the study tools and to identify obstacles that might be faced during data collection. The sample consisted of 10 nurses from psychiatry and emergency department. It was carried out from 5th to 28th January 2006. Accordingly some modification was done.
- 4- Nurses working on the study setting surveyed to detect the number of nurses who dealt with suicidal attempt patient at least for one year and their approval to participate in the study were obtained.
- 5- After determining the sample fulfilling the criteria of the study, the nurses were interviewed on an individual basis. They were given a brief orientation to the purpose of the study. They were also reassured that all

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information gathered would be confidential and used only for the purpose of the study.

- 6- The interview was done during morning shifts for 30 to 45 minutes starting from the beginning of March till end of June 2006.

Statistical Analysis

1-After the data were collected:

The data were coded and transferred into specially designed formats to be suitable for computer feeding using SPSS program. The most recent version of statistical package for social science was used in generating a computer program for tabulation and analysis of data. Microsoft Excel 2000 version was used in drawing data graphics.

2-The following statistical measures were used:

1. Descriptive measures included:

Numbers and percentages were used to frequency the responses to certain items of the questionnaire. For 28 scale that measured and explored nursing staff emotional reaction and , likert scale construction was used. The response data were only ordinal and warrant only descriptive statistics, percentage for each level of response were related to each item of emotional reaction.

2. Statistical tests included:

The Pearson correlation technique along with test of significance was applied. The test technique used for independent means for bivariate independent variable, the on-way analysis of variance was used to compare

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independent groups in nurses' work place along with the LSD post hoc test of comparison.