

# Discussion on Application of Nursing Risk Management in Physical Examination Center

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**Abstract:** Objective: to explore whether the application of nursing risk management in physical examination center has positive significance; Method: 50 patients who received medical examination from December 1st to 31st, 2019 were randomly divided into two groups according to the number of the medical examination card, 25 patients in Group A were given routine nursing management, which will be referred as the control group hereafter while group B with 25 people will have the nursing risk management, which will be referred as the observation group. After all the physical examination items ended, statistical physical examination results and the degree of satisfaction of the physical examination will be recorded. Results: Errors of the observation group in the physical examination process were significantly less than that of the control group ( $P < 0.05$ ) and the degree of satisfaction of physical examinees in the observation group was higher than that in the control group ( $P < 0.05$ ). Conclusion: The use of nursing risk management in medical examination center can improve the degree of satisfaction of medical examiners and reduce the occurrence of accidents and disputes.

**Keywords:** Nursing Risk Management; Physical Examination Center; Applied Research

## Introduction

Nowadays, more and more people begin to pay attention to their own health problems. The concept of prevention before disease and cure before disease is more and more popular. In this case, the quality and frequency of physical examination of people from all walks of life have significantly improved. All the major general hospitals have set up a professional medical examination center. In addition, there are specialized medical institutions, although they greatly meet people's needs for medical examination, there are still problems exposing the lack of professional health care management, compared to professional medical institutions.

## 1. Materials and methods

### 1.1 General materials

In this study, 50 people who received medical examination in the medical examination center were randomly divided into two groups, 25 in each group with observation group and control group. In the observation group, there were 10 males and 15 females, the age range was from 20 to 71 years old, the average age range was 43 years old, 5 students with below junior middle school education, 8 students with education background from junior middle school to bachelor's degree, and 12 students with bachelor's degree or above. In the control group, there were 6 males and 19 females, the age range was 22 to 68 years, the average age was 43.3 to 4.8 years. Education: 7 people below junior high school, 9 people

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with education background from junior middle school to bachelor's degree, 9 people with bachelor's degree or above.

## 1.2 Method

Routine nursing methods were used in the control group and nursing risk management was used in the observation group:

### (1) Improve the risk management mechanism

The risk management mechanism mainly includes the establishment of risk management related rules and regulations, the supervision of relevant operations in the medical examination process, the summary and feedback of accidents and errors, and the establishment of a risk management team with some leader who is responsible for the improvement of risk management mechanism and management to ensure the smooth implementation of the mechanism.

### (2) Risk education

Providing risk education to relevant staff, raising the awareness of risk prevention and crisis among staff in relevant positions, enhancing staff's vigilance and sense of responsibility, and incorporating the attendance and assessment results of training into career assessment to ensure that the staff have a higher professional ethics and to explain the relevant professional practices.

(3) Optimizing the environment of physical examination and improving the process of physical examination

There are some problems in the environment of physical examination which may affect the service experience of the physical examination, or cause unnecessary infection and affect the health of the examinees. Therefore, the staff needs to continuously optimize and improve the process and environment of medical examination to ensure that patients are physically and mentally happy and the efficiency of medical examination is at a higher level.

### (4) Improving the professional level of nursing staff

The professional level of nursing staff determines the frequency of mistakes and lapses in the process of carrying out medical examination and nursing. Medical institutions need to constantly purify the nursing staff,

improve their comprehensive level and quality, and enhance their professionalism and professional ethics, which can fundamentally improve the effectiveness of nursing care and enhance the satisfaction rate of the medical examination center.

(5) Improving the identification and supporting facilities of the physical examination center

Physical examination center should set up the humanized and obvious prompt slogans to make it convenient for examinees to carry on the physical examination according to the flow. In addition, the physical examination center should also set up comfortable seats, water dispensers, garbage collection places and other supporting facilities to enhance the physical examination experience.

## 1.3 Evaluation index

### (1) Nursing error rate

When errors occur during the physical examination, including but not limited to disputes, omissions, accidents, etc. , they are recorded as a nursing error. Nursing error rate = nursing error rate / number of examiners in the group X 100%.

### (2) Degree of satisfaction

Degree of satisfaction is obtained by means of a questionnaire. After completing all the physical examination contents, the examinees fill in the satisfaction questionnaire. The questionnaire was designed with three evaluation levels: (1) very satisfied, basically satisfied and satisfied. The results that were very satisfied, basically satisfied will be recorded as satisfaction. Degree of satisfaction = number of persons with satisfaction / total number of persons in the group X 100% .

## 1.4 Statistical method

SPSS18.0 was used for statistical analysis.

## 2. Results

The nursing error rates of the two groups were analyzed and the results were as follows **Table 1**.

The results of the survey on the satisfaction of the two groups are as follows: **Table 2**

Group	Number	Error number	Nursing error rate
Observation group	25	1	4%
control group	25	7	28%

**Table 1.** Statistical table of nursing error rate

Group	Number	Satisfactory number	Satisfaction degree
Observation group	25	23	92%
control group	25	16	64%

**Table 2.** Investigation on the satisfaction degree of two groups of physical examination

### 3. Discussion

The nursing risk management of examinees can obviously reduce the probability of various accidents in the process of the medical examination, and greatly reduce the disputes in the medical examination. In addition, the survey of satisfaction also confirms the point of view mentioned above. Moreover, the higher degree of satisfaction of medical examiners can, to a certain extent, enhance the popularity and public praise of the medical examination center, form brand benefits, and increase the benefits of the medical examination center for creating a more authoritative image. Therefore, the application of nursing risk management in physical examination center is of positive significance and should be widely promoted and applied.

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