

Factors Influencing Blood Purification Nursing Safety Management and Countermeasures

Xueyan Yang

Affiliated Nanhua Hospital, University of South China, Hengyang 421002, China

44069477@qq.com

Abstract. objective: to analyze the factors affecting the safety management of blood purification nursing and find out the corresponding countermeasures. Methods statistics were conducted on the patients who came to our hospital for blood purification treatment. A total of 200 people participated in the statistics. Problems in safety management in the treatment process were analyzed, and the influencing factors were found out and countermeasures were proposed. The study results showed that 154 patients had problems in this study, and there were many kinds of problems. This paper made statistics on these problems and proposed corresponding countermeasures for their improvement in the future.

Keywords: blood purification; Nursing safety management; Factors; countermeasures.

1. Importance of Blood Purification Nursing Safety Management

During the treatment of diseases, various departments need to coordinate and cooperate. The hemodecontamination and dialysis room are a very important department, which is responsible for hemodialysis for patients with organ failure or acute severe disease. Under the background of rapid development of medical level, the responsibility of hemodialysis department is not only limited to providing hemodialysis treatment for patients, but also the quality of its nursing work in the process of hemodialysis treatment is the focus of current public attention. The quality of nursing work can not only determine the overall level of the hospital, but also allow patients to have a more relaxed mood in the treatment. At the same time, the nursing work is not in place is also one of the important causes of doctor-patient disputes, strengthening the nursing work to reduce the probability of doctor-patient disputes is also of great help[1].

The nursing work in the department of hemodialysis needs to actively inspect the dialysis rooms and record the treatment of the patients' condition. Provide regular guidelines and monitor dietary safety when a patient has a problem. Disinfect all equipment and obey overtime arrangement in case of emergency. In order to clearly express the work items of nurses in the department of hemodialysis, the examination table below will be displayed, as shown in Table 1 for details.

2. Research Data and Results

2.1 Research Data

In this study, a total of 1000 patients were admitted to our hospital for blood purification and dialysis treatment, including 582 male patients and 418 female patients. The oldest patient was 78 years old, the youngest was 15 years old, and the average age was 43 (plus or minus 0.5) years. The treatment period of the same patient was from August 2013 to January 2017. All patients in this study were included with the knowledge of the patients, and all the patients were in the state of resource coordination. In order to clearly show the reasons for their hemodialysis, the following methods applicable to charts are shown, as shown in Table 2 for details.

Table 1. evaluation table of nursing staff in hemodialysis clinic

The inspection standard	inspection method
1. Nurses should be on duty on time and should not be late for work	Check the condition of nurses on duty by means of random inspection
2. Whether the appearance and clothes of the nursing staff are in place	Regular on-site inspection of nursing staff
3. Whether the nursing staff are enthusiastic about the service	The feedback of patients was statistically analyzed and summarized regularly
4. Whether the layout of the clinic is reasonable	Check the on-site condition of the clinic
5. Whether purification zone and isolation zone should be set independently	Check the on-site condition of the clinic
6. Whether the hygienic environment in the clinic is guaranteed to be clean	Check the on-site condition of the clinic
7. Whether the instruments and medicines should be placed in the prescribed positions	Check the notes in the clinic
8. Whether the instrument is disinfected on time	Carry out regular spot check on the instruments in the clinic

Table 2. causes of blood purification treatment

Treatment of reason	The number of	The proportion
chronic renal failure	650	65%
Drug poisoning	138	13.8%
Lupus erythematosus	70	7%
Postoperative recovery from cancer	90	9%
Acute pancreatitis	52	5.2%

2.2 Research Methods

During the treatment of the above 1000 patients, our hospital gradually paid attention to the importance of nursing work in the blood purification treatment, so we constantly reformed and adjusted the nursing work, and classified and counted the problems caused by inadequate preparation of nursing work. The detailed results are shown in Table 3 below.

Table 3. statistical table of adverse reactions

Types of adverse reactions	A m	The proportion
Mood swings	78	65%
Internal bleeding from puncture	24	20%
Treatment results were not recorded timely	11	9.1%
Puncture needle tube factor	27	22.5%
complications	53	44.1%

2.3 Research Results

In order to distinguish the results of the study sufficiently specific to make the results more persuasive, the study in this paper was divided into two groups before and after the reform, namely the research group and the control group. The following table shows the satisfaction degree of the two groups of patients, as shown in Table 4.

Table 4. patient satisfaction before and after the reform

group	The number of	great satisfaction	The more satisfied	Not satisfied with	satisfaction
research group	756	556	173	27	96.4%
The control group	244	110	50	84	65.5%

In addition, the purification effect of hemodialysis of patients in the study group and the control group was also statistically analyzed in this paper. The chart below shows the purification effect of hemodialysis of patients in the study group and the control group. See Table 5 for details.

Table 5. comparison of curative effect before and after the reform

group	The number of	optimal	good	poor	Good proportion
research group	756	483	220	53	92.9%
The control group	244	109	70	65	73.3%

3. Research Conclusions

Through the analysis of the research results of this paper, it is found that the impact of nursing safety problems on treatment is not only limited to the psychology of patients, but also the actual effect of treatment. Therefore, in the future work of the improvement should be from the nursing staff, hospital system, patient factors and environmental factors from four aspects, to blood purification nursing safety management work to strengthen [2].

3.1 Nursing Staff Factors

Nursing staff working in blood purification dialysis department, some because of age small so there is a junior, the nursing staff in the actual work may not because of its high operating proficiency, and prone to panic when there's an emergency, will poses a bigger threat to patient's physical and mental. In order to cope with such a situation, all nursing staff should do a lot of theoretical learning of nursing work in off-duty period, and provide a simulation environment for them when the hospital conditions allow, to exercise their operational proficiency and ability to cope with emergencies. At the same time, it can also be trained by highly skilled and experienced nursing staff with many years of clinical experience, so that it can grow rapidly through the transfer of experience.

3.2 Institutional Factors

Another important factor affecting the blood purification nursing work is from the system, because there are certain loopholes in the formulation of the system, at the same time in the implementation process may appear to be not comprehensive and specific, resulting in the system cannot be fully implemented, so it will also have a certain impact on the safety of patients. Therefore, the system must be strict and prudent in the process of formulation. Decisions of major decisions should be finally confirmed through coordination in various aspects. Meanwhile, lifelong accountability system should be adopted for major decisions to ensure that both the formulation and implementation of the system are guaranteed [3].

3.3 Patient Factors

Safety management problem is not just from the hospital and nursing staff, also associated with patient factors, the process of dialysis patients undergoing blood purification treatment inevitable pain, even some patients due to long-term dialysis treatment but the effect is not obvious, despair even want to give up the idea of treatment. For patients with the above conditions, nursing staff should

timely find the situation, psychological intervention treatment, help from the psychological relief of patients with negative emotions, explain the importance of treatment for patients, encourage them not to give up hope.

3.4 Environmental Factors

In the process of purification treatment of hemodialysis, due to the connection of the machine is not quite close together, may appear fall off, in order to deal with such a situation, to strengthen medical personnel's own quality is fundamental, based on hemodialysis equipment management should also be taken seriously, regular maintenance of equipment, water and electricity protection work also want to match. Finally, for the control of patients' diet, the proportion of water and sodium intake should be strictly controlled, and the weight of patients should be measured regularly [4]. When the increase or decrease of more than 5% occurs, the treatment method should be changed in time. The intake of protein food should also be controlled according to the patient's own weight and should not exceed 1.2g/kg.

4. Endnotes

Through the discussion of this paper shows that affect blood purification in nursing safety management of a variety of factors, its either a factor is likely to cause harm to the safety of the patients, this paper analyzes the result, and puts forward some relevant countermeasures, hoping to contribute to the blood purification in the future nursing safety management.

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