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Correlation Research of Medical Security Management System Network Platform in Medical Practice

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Abstract

Objective-The related research of medical security management system network in medical practice.
Methods-Establishing network platform of medical safety management system, medical security network host station, medical security management system(C/S), medical security management system of departments and sections, comprehensive query, medical security disposal and examination system. Results-In medical safety management, medical security management system can reflect the hospital medical security problem, and can achieve real-time detection and improve the medical security incident detection rate. Conclusion-The application of the research in the hospital management implementation, can find hospital medical security hidden danger and the problems of medical disputes, and can help in resolving medical disputes in time and achieve good work efficiency, which is worth applying in the hospital practice.

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Keywords: medical security; medical hidden danger; disposal of doctors and patients; medical security network

1. Introduction

Nowadays, the hospital's medical safety treatment is different obviously with the conception with traditional and non-traditional medical security treatment. When the hospital being engaged in medical practice activity, the medical defects, medical fault and medical accident are appeared and discovered by the doctors and nurses, and corrected in time, which is called the principle of traditional medical security treatment. Or taken patients units or individual as main form, it is consulted and negotiated properly to solve the disputes in the medical security disputes and medical security incident, which is rarely accused of hospital medical disputes or medical incident by the legal form.
When the hospital being engaged in medical practice activity, the medical defects, medical fault and medical accident are appeared, apart from the traditional procession methods, the legal litigation form maybe brought forward to solve medical incident and medical disputes, which is called the principle of non-traditional medical security treatment. And economic compensation is used as finality to solve medical security disputes. At home, now hospital medical security incident is taking on a kind of ascendant trend[1], and it also has diversified forms of expression. Therefore, how to correctly handle the hospital medical security in medical practice, especially how to rectify the medical security and realize the verwissenschaftlichung and systematization, is a big problem, and is also a more difficult problem.

By establishing the network platform of medical security management system, medical accident symptom or medical disputes in medical practice can be found in time, which can show the problems of medical safety anytime and anywhere. Using the medical security management system network platform, improving the hospital medical security management and the relevance ratio of a variety of medical disputes or medical accident symptom, is a hot and focus problem which is worth exploring and researching today. The research condition report of system network platform of medical security management is reported as follows.

2. The construction of system network platform of hospital medical security management

The construction of system network platform of hospital medical safety management consists of host station, medical security management system(C/S), the substation of medical security management network, comprehensive query of medical security, disposal and approval of medical security system, etc.

The overall design of system network platform of hospital medical safety management includes two parts mainly, the medical security management system of C/S mode and medical security network website of B/S mode, as is shown in Fig.1.

2.1 The medical safety management system of C/S mode includes the following aspects

(1) Medical complaints; (2) Medical negligence disputes; (3) Work flow of medical security; (4) Early warning of medical security; (5) The medical security report; (6) Daily medical security inspections; (7) Medical security assessment; (8) Medical security education and training, medical disputes files; (9) Data interface and system management.

2.2 Medical security network website of B/S mode includes the following aspects

(1) Hospital medical security network; (2) Medical security management network of departments and sections; (3) Comprehensive inquires and approval system of medical security.
3. Main function characteristics of medical security management system

3.1 Management model based on the hospital medical security

According to the process control theory and method and aiming at the problem of medical security management of large scale comprehensive hospitals, a kind of management model based on the hospital medical security is proposed, which uses four ways, such as medical security management network platform, the substation of medical security management network, comprehensive query and examination system and medical security management, to supervise and manage, and realize medical security supervision real-time based on C/S and B/S hospital network. The following structure function connect each other, exert each structure function, which ensures medical security system information can detect medical security problems accurately, real-time and quickly. So it can make scientific and systematic decision-making for preventing medical disputes or medical events.

3.2 Early warning mode of medical security

According to the actual medical security problems, the early warning mode of medical security is researched. And the early warning mode of medical security of real-time warning beforehand and the
statistical warning afterwards is puts forward, which realizes the early warning for high-risk patients, using ratio of drugs proportion, antimicrobial drugs, and infection, infectious diseases and sections safety of medical security, health security office safety, ensures the warning in medical practice according to the above situation, early warning and forecast real-time, improves hospital medical security management ability and work efficiency.

4. The effect of medical security management system in medical practice

In foreign countries, medical security management system was developed early. It was reported [2] that using the hospital information system (HIS) and the internal departments especially from clinical medical practice, and collecting information, could supervise problems of medical security real-time. And there were authors suggested that [3] docking quality control of medical cases and management information of medical security could improve the relevance ratio of hospital medical security disputes or medical event symptom. At home, along with the computer technology applied in hospital and the using of hospital electronic case, quality control of medical security was taken seriously more and more. There were the authors’ report [3] which conducted further research for medical complaints, service quality information management, improved defense supervision of medical security disputes and the necessity and scientific management monitoring. There were also the authors’ reports [4] which dealt with the side effects of drugs hospital and medical security management, supervision and real-time monitoring, which has very good warning effect for the event occurrence of medical security and for medical security disputes or accident symptom.

The network platform of hospital medical security management system developed by the research task, realizes two levels of network link management of hospitals and sections. And it can implement the functions of real-time management and warning forecast of medical security, and improve the disposal capacity and preventing capability of hospital medical disputes. Thrown into the hospital practice operation, hospital quality control sections, information departments of medical security management, medical matters sections, matters of disposing the relation of doctor-patient, the hospital leadership and hospital clinical departments, the research has achieved the design goal, and achieved good effect, which can obviously improve the medical security information on medical treatment, and the ability of control and management on medical security. It can accomplish a nip in the bud really.

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