

# The strategy of hospital scientific research information management

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**Abstract:** Information construction is one of the important modern tools to solve hospital development. Attaching importance to the informatization construction of hospital scientific research is of great value to the development of hospital. This paper analyzes the problems existing in the management of hospital scientific research and puts forward the construction methods of hospital scientific research information management.

## 1. Introduction

Information construction is the key to the development of all walks of life. In the current process of hospital development and upgrading, informatization construction is undoubtedly a strong pillar to promote the development and reform of hospitals, and the level of informatization development is also one of the core indicators of the grade evaluation of a hospital [1]. The informationization construction of hospitals cannot meet the increasing service requirements of the masses [2-3]. The scientific research management level of a hospital directly determines the scientific and technological innovation ability of a hospital [4-5]. The realization of information-based management of hospital scientific research management can promote the development of hospital scientific research innovation ability.

## 2. Analyze the current situation of hospital scientific research management

### 2.1 insufficient effectiveness of scientific research management

At present, the main management means of hospital scientific research management department include: registration and archiving with paper materials, paper document notification, telephone notification, mobilization meeting, etc. Paper data are easily lost, phone calls are easily forgotten, communication is limited, and attendance at meetings is high because medical staff must first complete clinical work.

### 2.2 loopholes in hospital scientific research management

First, medical staff's enthusiasm for scientific research is not high, the number of scientific research project declaration, project approval rate is low.

The second is the project set up but the implementation is few, the project completion rate is low. Many projects are poorly completed and do not meet their deadlines.

Third, the paper output is small, low quality of publication. Due to the lack of adequate scientific research management, the output of scientific research papers will be small, and the quality of the paper published is low.

### 2.3 lack of scientific research management collaboration

In fact, scientific research management is also related to the reimbursement of scientific research funds of the financial department, the asset registration and management of the state-owned assets management department, and even related to the work of personnel titles. Because the main information still relies on the traditional manual transmission, it is difficult to share information in real time. For example, in the management of scientific research project funds, the project funds may not be received or overspent, but the scientific research management department is not aware of it.

Although the financial management department has its own management system, the system is not open to other departments. The management policies of scientific research projects are often related to the financial management policies and run independently. When the financial policies change, the scientific research management departments often fail to timely adapt to them, and vice versa.

#### **2.4 insufficient understanding of scientific research management informatization**

The staff of hospital scientific research management department is usually selected from clinical medical staff, and there are also some public health management talents. Such talents often carry out scientific research management according to policies, personal experience and their own exploration, so many scientific research managers know little about information construction and lack a unified understanding. However, professional talents who are proficient in computer and information construction are often in short supply. Different departments are in charge of their own affairs, which makes the information construction difficult.

### **3. Strategies for informatization of hospital scientific research management**

#### **3.1 strengthen the coordination among various departments of the hospital**

The informatization management training mainly builds the informatization construction atmosphere in the hospital through special study, expert lectures and so on, and strengthens the informatization construction ideology of scientific and technological personnel and scientific research management personnel. Only by realizing what informatization is, what powerful functions it has and how to implement it, can scientific research management departments be effectively guided to make informatization construction plans and gradually implement them.

Secondly, scientific research management departments should strengthen the collaboration with relevant departments. For example, I cooperated with the financial department in the management and use of scientific research funds, strengthened the cooperation with the personnel management department in the recognition of scientific and technological achievements, and strengthened the technical cooperation with the information department.

When the hospital has reached a consensus on information construction, the cooperation between departments and the development of information construction will become smooth.

#### **3.2 build an information management system in line with the actual situation of the hospital**

The hospital should assign members to participate in the study and training of hospital informatization construction, master the current methods of hospital informatization construction, learn the advanced experience and technology of hospital informatization management at home and abroad, and cultivate the talents of hospital scientific research informatization management.

Secondly, the design of hospital scientific research information management system should be combined with the characteristics and needs of the hospital. At present, many major scientific research project declarations have realized online declaration and management. The design of the hospital's own scientific research information management system should combine with the actual situation of the hospital to carry out personalized and humanized system design.

How to better combine the actual situation of the hospital itself, a good practice is to widely solicit the opinions of medical science and technology personnel, brainstorming.

#### **3.3 establish information management platform**

First of all, we should improve the construction of scientific research information management platform. Information management can be carried out on the existing official website and Intranet of the hospital, such as information release and document transmission. Other cloud platforms can be used to assist the implementation of scientific research informatization management goals, such as microblog, WeChat, cloud disk, etc.

Scientific research information management system can be selected through bidding, or the company responsible for the development of hospital diagnosis and treatment system can be developed again, so that the new subsystem is convenient to fit with the overall system.

Scientific and technical personnel can make relevant scientific research materials into electronic version and save them by the system, and scientific research management personnel can also send out scanning copies of project approval documents and other important materials from the system. The system can also realize the retrieval of article repetition rate and the recommendation of core periodical catalogue. Thus the management system successfully met the management and the management of a variety of needs.

The construction, use and improvement of scientific research information management system should have strict rules and regulations to ensure the safe and effective operation of the whole system. Only when the system runs safely can it have enough authority and effectiveness, otherwise it will be useless if it is not trusted.

The overall development of information is helpful for hospital managers to master the dynamic situation of various aspects of the hospital and provide scientific basis for the decision-making of hospital development. The business of most hospitals is integrated with diagnosis and treatment and medical research. Only the development of scientific research can promote the progress of talents and the improvement of diagnosis and treatment level. Therefore, the construction of hospital scientific research informatization should be placed in an important position.

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