The Research of Computer Aided Teaching in Basic Nursing

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Abstract. Now, the computer multimedia has been widely applied in nursing field, provides the reform and development of the nursing teaching, nursing teachers must have the information quality, can use computer aided to creative teaching activities, this topic research has very important meaning, can for future nursing education means and methods to provide a very important idea and mode, at the same time, computer aided technology can promote the reform of nursing education system, the use of modern education technology means, improve the education level, conducive to the cultivation of nursing students to become the new information-based nursing talents, at the same time, Nursing teachers should adapt to computer multimedia teaching, strengthen information technology training, and become a nursing teacher with good information awareness, information ability and information quality[1].

Keywords. Nursing Education, Computer-aided Teaching, Network Teaching, Nursing Teacher

1. Research background
Modern educational technology is developing, multimedia technology be introduced into the field of education, the multimedia computer-assisted Instruction refers to a modern teaching In the network environment, the use of multimedia network technology for teaching has formed web-based Instruction (WBI), which is one of the important ways for the development of modern computer-aided Instruction. At present, CAI and WBI are becoming a new direction of education development[2]. The research and application of CAI and WBI in modern education make the existing educational thought, educational system and teaching methods experience a period of vigorous development and make the old teaching mode undergo a more profound reform.
Figure 1. The wide application of computer technology.

Historically, all the education revolution occurred from the revolution of education media, on the human civilization, the emergence of the text and the invention of printing, causing education system and teaching mode of two leaps: the former can only with oral language and written language to join ever action language education activities, not only expanded the content and form of education, and greatly improve the students' abstract thinking ability and self-educated ability; The latter makes books printed on paper become the main carrier of knowledge, thus promoting the dissemination of science and culture and the popularization of education. Both of these two leaps have greatly accelerated the development of education and even the development of human society. Into the 1990s, multimedia and the Internet (Internet) two technology rapid rise and vigorous development of the global information revolution, this not only is another milestone in the development of information technology, and it will fundamentally change the mode of production of human society, work and learning mode, life style and thinking mode, make the education system and teaching mode produces significant new leap. This teaching revolution has led to the transformation of traditional education based on reading, writing and calculation: the network of text knowledge and information that is read and retrieved in a hypertext way has replaced the transformation of reading mode caused by the traditional text knowledge and information arranged in a linear structure; Keyboard flexibility and mouse\(^3\). The control of the traditional writing style brought about by the change; The expansion of the concept of computing brings about a revolution in computing methods. These changes not only have a strong impact on the traditional education itself, but also will make a fundamental change in the relationship between traditional teaching and will fundamentally change the traditional teaching methods, teaching means and teaching content.

Countries have great importance to the application of multimedia and network technology in modern education. At present, multimedia computer teaching is developing rapidly in foreign countries. In 1996, the United States proposed an "Educational Technology Action". Its goal is to connect all classrooms and libraries to the Xinhui expressway. Make classroom accessible to all teachers and students\(^4\).

Figure 2. Medical examination.
Using new multimedia computers; Make excellent software and online learning materials an integral part of the school curriculum; Train and support all teachers to help students use computers and learn through the Information superhighway. By 1996, the number of schools connected with the Internet in the United States had accounted for 65% of total of schools in the country. In American universities, 8% of the courses used cd-ROM textbooks, 12% of the courses used multimedia technology in teaching, 15% of the courses used computer simulations and drills, and 25% of the courses used E-mail. At present, computer teaching in multimedia and network environment is developing in a diversified direction, and its practice methods include CAI, ICAI, WBI and Distance Instruction.

2. Assess the pros and cons of the education system
Nursing education is very important in modern medical education. The existing nursing education system is based on the school formal education system. The education system is conducive to the standardization of the knowledge system of teaching and talent training, has its reasonable aspect, but there is also a - defects, major ills is restricted by venue, time and space, lack of flexibility, can not adapt to the need for nurses to lifelong education, cannot satisfy the masses of the people's demand for health information. The existing teaching mode with the teacher as the center, mainly taking the mode of classroom teaching, the advantages of this teaching mode is beneficial to teachers play a leading role, facilitate teachers organization of classroom teaching, but the biggest drawback is the single way of teaching to make students in the teaching process as a cognitive subject from beginning to end in a passive position by infusion.

On the other hand, the nursing work that nursing students will be engaged in needs a lot of knowledge and skills, and the knowledge is constantly enriched and updated, so the limited knowledge cannot meet the needs of nursing profession in the future; Nursing students must have independent learning ability, self-renewal knowledge ability and creative problem-solving ability, For acquiring new knowledge and technology, to meet the requirements of the information society. As nursing students, it is necessary to develop highly innovative ability and the ability to use information.it means an way to improve information awareness. Focus on mastering the method of learning, namely learning to learn. American human resources institute, a psychologist at joey Yin Herbert low lattice points out: "the new education must teach people how to letter classification and classified, how to judge the truth of it, how to change the category, from concrete to abstract, from abstract to concrete, again how to from a new perspective - how to education myself. The illiterate of tomorrow will no longer be those who cannot read, but those who have not learned how to learn."

3. Estimate the combination of education and computer technology
For meeting the new challenge of the global information revolution to education, it must innovate the traditional learning. It is necessary to establish a future-oriented and brand new nursing education system, highly innovative ability and high information ability. The content of the training should lay emphasis on the way to enable students to learn.In order to keep pace with the knowledge explosion and the rapid development of knowledge, the teaching quality and teaching efficiency should be ensured. The cultivation methods should be flexible and varied, free from the limitations of time, space and place, and meeting the needs of nursing career development, lifelong education of nursing staff, and people's growing health needs.

We shoul adapt to the information society to the requirement of nursing education, cultivate a large number of nursing talents to adapt to modern high technology challenges, nursing education should adopt the modern education technology, change education idea, teaching method and teaching model, that is, the nursing education itself also to technical, the education of computer, networking and intelligence, better improve the nursing education reform, improve the quality of training talents;
The use of multimedia and Internet technology of information education can better meet the above requirements.

4. Conclusion
Computer aided teaching of teachers and students view will be changed, namely the students learn to study, the method of obtain the sustainable development ability and learning ability, and teachers must become the promoter of learning, thus for reform of the existing system of nursing education, reform education forms and methods, and gradually adopt diversified letter of modern education technology, to develop individualized teaching mode and collaborative learning mode, to adapt to the demand of the development of nursing science. And computers and related information technology provide very natural tools.

To realize this teaching task, it is necessary to strengthen the reform of nursing curriculum system and increase the content of information courses. Students should be taught Windows operation, multimedia technology, Internet and OPTICAL disk retrieval technology, so that they can develop the ability of information acquisition, and become new information nursing talents in the future.

Multimedia and network teaching provide a road for the development of nursing education, the innovation of nursing teaching methods and means, and provide good opportunities for nursing teachers, but also put forward challenges, nursing teachers must improve their information level, to adapt to the requirements of multimedia and network teaching. We should widely apply technology in nursing education to promote the better development of medicine. The application of computer in basic nursing teaching can greatly improve the teaching efficiency, promote students' learning enthusiasm, and spread basic nursing science better. At the same time, it also promotes there form of basic nursing teaching. Adopt the needs of nursing development, is conducive to the cultivation of talents, but also to the majority of teachers and students to provide a lot of convenience.

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