

Study on the Optimization and Application of Multiple Intelligent Teaching Model in Basic Nursing Teaching

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Abstract: Modern education is increasingly emphasizing "innovation education" and "skills education", and it is important to cultivate "knowledge + skills" talents. As one of the constituent disciplines of clinical nursing, basic nursing science has special requirements for nursing students, so the requirements for nursing students will be higher. This requires not only that nursing students have solid theoretical expertise, but also that they have strong Ability to evaluate thinking. As a professional foundation course, basic nursing is very theoretical and practical. Relying on a single teaching method cannot meet the needs of modern teaching. According to the characteristics of basic nursing teaching content, combining the existing teaching conditions and the characteristics of students. Based on a variety of teaching methods, comprehensive teaching methods such as situational simulation teaching, multimedia teaching, research-based learning, and camera feedback teaching methods have achieved good results. The purpose of this article is to optimize the application of multiple intelligent teaching models in basic nursing teaching. This article uses language, mathematical logic, visual space, body movements, music rhythm, interpersonal communication, self-awareness, and the cultivation of natural observation intelligence to improve the learning and optimization of basic nursing. And experimented with two undergraduate classes of 2018 in a certain school. The teaching teachers, content, and teaching progress of the two classes were consistent. Finally, the examination was conducted within a certain period of time, and it was found that the students in the observation group scored higher than the students in the control group using the multiple intelligence teaching method. In addition, more than 90% of participants in the observation group liked using multiple intelligent teaching methods.

1. Introduction

Gardner, a cognitive psychologist at Harvard University, first proposed the theory of multiple intelligences in 1983. Studies on brain-injured patients have shown that they have different learning abilities, so we came up with this theory. According to the theory, the difference between people is their unique intelligent contours. The theory of multiple intelligences emphasizes the diversity, integrity, diversity, culture, practicality and usability of personal intelligence. The main problem is mainly reflected in Katono's 1983 book "Multiple Intelligent Structures". Multiple intelligence is the structure of human intelligence, including at least eight types of

intelligence: language and speech intelligence, mathematical and logical intelligence, visual spatial intelligence, and body movement. Intelligence, musical rhythm intelligence, interpersonal intelligence, self-recognition intelligence, natural observation intelligence; intelligence independence, each person has eight basic intelligences for each degree, and each intelligence owner has his own characteristics and relatively independent expression. The direction and degree of individual intellectual development are affected and restricted by the environment and education. Basic Nursing is a comprehensive application department in which natural science and social science are infiltrated. We must pay attention not only to the cognitive domain of protection, but also to the emotional area of protection.

Under the teacher's pre-class guidance, the research team collaborated to simulate clinical situations to demonstrate a variety of practical surgical options. And through the camera to strengthen the training of nursing students[1]. In context teaching. Nursing students participate in the whole process of teaching design, textbook preparation, explanation, demonstration and evaluation, so that they can play the role of teaching subject, enhance their learning interest, and improve the ability of independent learning and solidarity and cooperation. The teaching method of video feedback is a closed-loop system of practice feedback evaluation, in which sitcoms of nurses and students are used to demonstrate skills training programs: by taking pictures of students' technical behaviors in practice, then calling and displaying them, They are introduced to practitioners, and they can judge whether their behavior complies with their own code of conduct and find wrong or unnecessary behavior in the comparison[3]. In the next round of corrections. In order to stimulate the ability of nursing students to learn and correct errors, strengthen the skills operation. The knowledge acquisition and comprehensive ability training and development of nursing students can not only rely on a teaching method, but also cannot mechanically replicate some teaching methods. Therefore, it is necessary to reasonably combine multiple teaching methods. According to the characteristics of the course. Promote strengths and avoid weaknesses, give full play to advantages. The optimization of multimedia teaching can not only make full use of the richness of multimedia teaching. It can eliminate many disadvantages. This has positive significance for improving students' enthusiasm for learning, enhancing their autonomous learning ability, and cultivating their cooperation and communication skills.

Basic nursing is the basic course and core course of nursing. It is important to improve the overall ability and professional quality of nursing students, including the basic principles, basic concepts, basic skills operations and nursing work methods of nursing professionals. Multiple ways of multiple intelligence education have changed the traditional education model. Multiple intelligent teaching methods combined with outstanding teaching methods, such as multimedia education, clinical case education, simulation education and SP training, make nursing education more infectious and attractive. The foundation of nursing is a practical course. Diversified intelligent education makes the difficulty and focus of education more lively, deepens the understanding of nursing students' knowledge, and helps them better practice nursing knowledge. In addition, a variety of intelligent education focused on student

participation and analytical skills can help students develop a positive habit of thinking and questioning. Through the use of multiple teaching methods in basic nursing education, students' learning interests can be stimulated, basic knowledge and operational levels can be improved, and overall quality improved.

In order to improve the learning and optimization of basic nursing, this paper proposes to focus on the cultivation of language, mathematical logic, visual space, body movement, musical rhythm, interpersonal communication, self-awareness and natural observation intelligence. And experimented with two undergraduate classes of 2018 in a certain school. The teaching teachers, content, and teaching progress of the two classes were consistent. Finally, the examination will be conducted within a certain period of time. And compare and investigate.

2. Method

2.1 Language Intelligence Training

Based on the existing knowledge structure, the cognitive rules of nursing students can enhance the health assessment of language knowledge, and can train intelligence such as health education and medical history debate [4-5]. In the teaching of intravenous infusion, some nursing students explained the basis of the concept and principle of intravenous infusion from a technical perspective, and explained the purpose, points and precautions of the surgery from a technical perspective, and collected the patient's medical history in plain language . And strengthen the normative language, enhance the language function of welfare [6].

2.2 Mathematical and Logical Intelligence Training

The core of mathematical logic intelligence is to discover and solve problems. In practical education, teachers should fully understand the level and characteristics of protection thought development, fully explore teaching materials, and consciously cultivate protection and sight, hearing, smell, and touch [7]. And with the help of tools and various methods to understand the patient's medical condition. An educational method to cultivate their thinking and innovative spirit.

2.3 Developing Visual Space Intelligence

Multiple intelligence theory focuses on the observation and imagination of nursing students. This kind of mental training can be applied to nursing students with stronger spatial imagination to enhance observation and imaginative memory [8-9]. Based on the characteristics of basic nursing practice, video and border education will be used to express the characteristics of each stage of bedsores. Visual sensory stimulation of images and scenes can help you discover nursing problems, actively seek solutions, and improve observation, image thinking, and practical skills.

2.4 Physical Training Intellectual Training

Physical intelligence refers to the ability to use the body to solve problems and understand the subject. In practical education, teachers can give students priority to have relatively strong practical skills so that they can control operating skills as soon

as possible and master other nursing skills in the form of examples [10]. Influence and move students to achieve common progress. During sputum suction, not only the eyes, brain, and hands work in harmony, not only is it smooth and beautiful, but also the loss of the upper mucosa is avoided. The process of suffocation is essential for the accuracy, flexibility and coordination of nursing students in developing body movements. Teachers should strengthen patrolling and mentoring and correct delayed attitudes.

2.5 Developing Music Rhythm Intelligence

Music information can be collected quickly using fluent lectures and Allegro, or by sophisticated nursing students and higher-level literary and art departments. In order to make the teaching content more vivid and easy to grasp, the author took the medicinal solution from the ampoule and organized "one bomb, two strokes, three eliminations, four strokes, five suction and six guarantees" [11].

2.6 Developing Communication Skills

In the practical education of basic nursing, the application of artificial intelligence is mainly reflected in group cooperative learning. Through internal discussion, its role is to communicate with patients and train them.

2.7 Developing Self-awareness

Given a full education, we encourage nursing students and developing learning plans so that they can objectively and accurately assess and reflect on their learning [12]. In order to help nursing students, recognize their biases in knowledge understanding and skill acquisition, encourage them to actively improve their abilities, infer each other's learning knowledge, and guide timely correction of actual training errors. A review of the study plan for nursing students should be approved.

2.8 Cultivate the Wisdom of Natural Observation

Nursing diagnosis is based on observations of the nurse and a summary of the patient's existing or potential health problems. Good natural observation mental training can help improve clinical practice. By observing the patient's clinical symptoms and physique, he connected their knowledge and instructed the nurse to submit a nursing diagnosis and effective nursing measures.

3. Experiment

3.1 Research Object

The study targeted 100 nursing students in a 2018 level 2 undergraduate school, all females, aged between 19 and 23. The course is divided into observation group and control group, each group has 50 students. The "Basic Nursing" course is a class, a school made up of the same teacher, which guarantees consistency between the course content and the course progress. The general materials of the two groups of nursing students are relatively the same and have statistical significance.

3.2 Method

(1) The control group adopts the traditional teaching method, and according to the method described by the teacher, through the lectures on the principles of knowledge, conclusions, etc. to achieve the educational purpose.

(2) The observation group adopts various intelligent education methods and different education methods according to the learning content. Multimedia teaching method: use multimedia to transform knowledge into images, videos, etc. to increase students' interest, deepen their understanding and understanding of abstract issues, and improve the effectiveness of teaching. Clinical case analysis: the embodiment of a people-oriented educational philosophy. Prepare typical cases in advance, ask teachers to teach them specific case analysis methods, and search through each channel. After free discussion, the protector chose a protector, reported the case, made a general statement, and concluded with the teacher to confirm the correct point of view and correct the wrong point of view. Supplement content, summarize the key points and difficulties of theoretical knowledge. Teaching method of scene simulation: In the scene predetermined by the teacher, the guardian plays the role of patient, nurse, family, etc. It simulates the patient's nursing process, the operation of the nurse, and the health education of the nurse in various situations. After the simulation, ask your teacher to comment. Standardized patient training methods: Standardized, systematic and trained normal people or patients can accurately describe the patient's actual clinical problems, communicate with patients and express the clinical manifestations of common and multiple diseases. It can protect patients and perform three Role: Patient, evaluator and teacher. In particular, this method is used for diseases involving caregivers.

4. Discussion

4.1 Evaluation Index

Compare the final exam results of the two groups of students, test separately, and uniformly score. Surgery assessment was determined by a picture of a nursing teacher and scored when the two teachers answered the correctness and fluency of the operation and the corresponding questions. Evaluate multiple intelligent education methods through a questionnaire survey team. Includes six directions. Stimulate learning interest, improve learning efficiency, enhance students' overall ability, deepen memory skills, deepen operational skills, and like multi-faceted teaching methods. The survey was distributed centrally and collected immediately. We distributed 50 copies and collected 50 copies. The effective collection rate is 100%. $\bar{x} \pm s$ statistical method: Data are processed by other SPSS 10.0 statistical software. The measurement data is expressed by t test and the count data is expressed by χ^2 test. We think the difference is statistically significant. For a comparison of the theoretical and basic operating results of the two groups, see Table 1.

Table 1. Comparison of the theoretical and basic operating performance of the two groups

Group	n	Theoretical achievement	Basic operating results
Observation group	50	75.36 to 91.49	79.68 to 94.35
Control group	50	69.86 to 85.49	72.69 to 89.73
T value		2.59	2.73
p-value		<0.05	<0.01

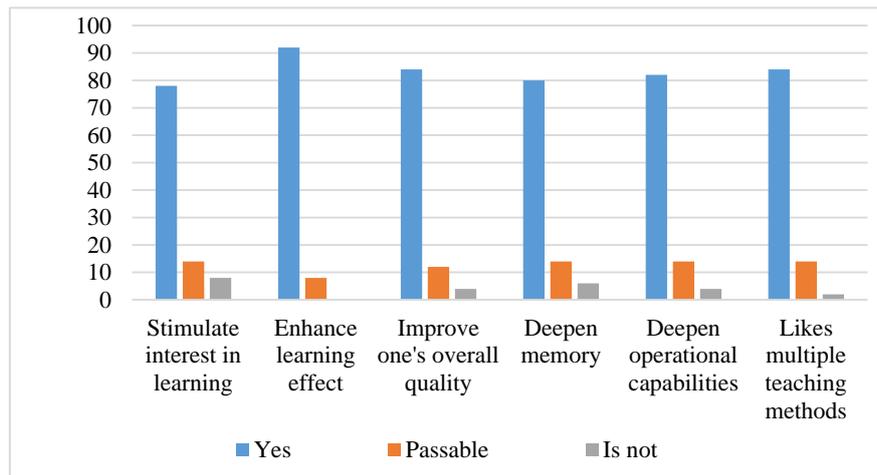


Figure 1. Evaluation of the diversity teaching method by the observation group (unit%)

Through this experiment, it was found that 92% of the students thought that they could stimulate learning interest, 100% thought that they could enhance the learning effect, 96% thought that they could improve their overall quality, and 94% thought that they could deepen their memory ability. 96% of those who have deepened their ability to operate and 98% of those who prefer a variety of teaching methods.

Many nurses learn incorrectly or lack interest in learning. "Basics of Nursing" is a very important course, and many courses that have been developed since then have been constructed on this basis and are closely related to the daily work of nurses. Therefore, as teachers, we should fundamentally solve the students' interests. Intelligent teaching method changes the traditional teaching method, integrates multiple teaching methods, learns from each other, supplements reasonably, and has strong appeal and attractiveness. Situational teaching methods are assigned by nurses themselves to play the roles of doctors, nurses, patients, and family members. To imitate patients, nursing students need to review books before class to understand the patient's symptoms and signs and the care they want. This is not only to deepen the understanding of patient characteristics and clinical manifestations, but also to experience the pain of patients, enhance their sense of responsibility, help to increase their awareness and interest in learning, and enhance their learning effects. "Basics of Nursing" is a required course. The theoretical teaching should fully explain the knowledge, and the operation process should pay attention to application. Many clinical practice methods are learned in schools, many factors are unpredictable,

patients, environment, and other variable factors will be added to the operation, and trained nurses will make appropriate adjustments to these factors, but for new clinical It is very difficult to care for students. Multimedia teaching methods can effectively show the key points and difficulties of teaching, which are difficult to express and observe in traditional teaching methods. The case teaching method is a vivid form of teaching, in which there will be many changing factors. It is different from past research requirements, it can encourage nursing students to ask questions and think hard. Through case analysis and discussion, the theoretical knowledge application and analysis ability of nursing students have been improved, and a substitute foundation has been broken for nursing students' work. A variety of intelligent teaching methods can help improve the communication skills of nursing students.

5. Conclusion

Under the guidance of the theory of multiple intelligences, it is necessary to fully respect the differences of students and personalize the teaching of nursing students according to the actual needs of society. This is not only conducive to improving the effect of practical teaching, but also to improve the effect of practical teaching. Improve the comprehensive clinical quality of nursing students and accelerate their role change. This article uses language, mathematical logic, visual space, physical movement, musical rhythm, interpersonal communication, self-awareness, and the cultivation of natural observation to improve the learning and optimization of basic nursing. And experimented with two undergraduate classes of 2018 in a certain school. The teaching teachers, content, and teaching progress of the two classes were consistent. Finally, the examination was conducted within a certain period of time, and it was found that the learning performance of the observation group students using the multiple intelligent teaching method was significantly better than that of the control group. In addition, more than 90% of participants in the observation group agreed to use multiple intelligent teaching methods.

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