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Study on Improving Comprehensive Practice Ability of Nursing Undergraduate Students under Internet +OSCE Mode

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Abstract

As an important means and objective basis to evaluate the clinical operation ability of medical students, OSCE model has always been the focus of medical higher education. The traditional assessment mode pays more attention to theory and result, does not attach importance to practice and process, and can not achieve a comprehensive evaluation of medical students' clinical thinking ability. In recent years, the requirements and ideas of medical education in China have gradually changed, and all kinds of medical colleges and universities have begun to apply the OSCE model as one of the ways of graduation examination, and to explore and apply the OSCE model.OSCE examination mode can not only investigate the medical knowledge and skill operation level of medical students, but also make medical students better adapt to the clinical working environment and improve their clinical thinking ability. However, the OSCE model is in the exploration stage at present, and there is still a certain distance from the correct application. It is still necessary for colleges and universities to continuously explore and study, perfect the OSCE model, and provide a new supporting force for the examination of medical specialty.

Keywords

Undergraduate Nursing; OSCE model; Comprehensive practice ability.

1. Introduction

With the development of the times and the change of health concept, people not only need to improve the level of clinical medical treatment, but also to improve the quality of nursing, and the society needs more high-quality nursing workers. Therefore, improving the comprehensive ability of nursing students has become an important problem in nursing teaching, and has gradually been studied and paid attention to by medical education circles at home and abroad. Combined with the characteristics of nursing specialty in the era of "Internet +", it provides theoretical support for exploring the new teaching mode of nursing practice comprehensive course and further promotes the development of nursing discipline.

2. Current Situation and Development Trend in Domestic and Abroad

The Eastern District of De Zhou city has now started the Eastern Medical Center Project and the Old-age Model City Project. In the next few decades, it is committed to building a complex regional medical center with independent scientific research ability, medical research and prevention and health care, and a comprehensive old-age care place of "health care + medical care + home pension", which integrates old-age care, leisure, entertainment, medical care and nursing. As a result, there is a great demand for nurses in the market, and as the only undergraduate college in De Zhou city, our university has responsibility to take the initiative to train middle and high-level nursing talents. This requires us to train students in addition to a wide range of knowledge, easy to communicate with different patients, their nursing scientific research ability is also relatively strong, nursing specialty pay more attention to critical

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thinking mode, problem-solving ability and clinical nursing skills. At the same time, good foreign language skills are also conducive to their timely learning of international advanced nursing experience.

OSCE (Objective Structure Clinical Examination), the objective structured clinical skills test, is an internationally popular way to assess the clinical ability of clinical medical students by standardized and multi-disciplinary assessment. [1] Harden introduced OSCE into medical education for the first time in the UK in 1975. Expert studies have shown that the combination of applied OSCE with the teaching of Basic Nursing courses and the introduction of teaching using simulation situations and case design have significantly improved the scores of nursing students' deep learning items compared with traditional methods, so the combination of OSCE assessment model and teaching can promote nursing students' deep learning [2].

Domestic nursing educators began to try OSCE, use in 2007 more than 20 years later than foreign research. OSCE is currently recognized as an objective and effective tool for evaluating clinical ability, the main purpose of which is to evaluate the ability of nursing students to combine theory with practice. [1] The assessment and treatment of SP in a variety of simulated environments can comprehensively evaluate the subject's professional theoretical knowledge, application of nursing procedures, nurse-patient communication skills, critical thinking and problem-solving skills, and develop the humanistic care literacy of nursing staff [1].

The research shows that the transformation of teaching mode under the Internet environment can quantify and systematize the performance of skill operation assessment to the greatest extent. [3] Through data analysis, reduce staffing in teaching and assessment, truly realize paperless teaching and assessment, recorded operational video can also be used as teaching materials in teaching, provide positive versus negative teaching materials, and provide diversified models for skill teaching.

Though the OSCE model is more applied in nursing education, it originates from clinical medicine teaching and examination, so it is controlled by itself. we should consider the problems of nursing specialty itself in many aspects, such as the organic integration of multiple courses, teaching team building and emerging teaching methods in the internet age. so we should really integrate the OSCE model into nursing education instead of blindly imitating.

3. Practical Application of the OSCE Model

3.1. Improved Clinical Comprehensive Operational Capacity of Medical Students

After applying the OS CE model, the comprehensive operation ability of medical students has been improved significantly and has high practical value. In the process of practice, the professional knowledge of medical students comes from books and teachers, and they have less knowledge. In the aspect of patient consultation and disease management, it is carried out strictly according to the steps taught by the teacher. The treatment method is single, lack of own opinion, and can not completely deal with complex clinical problems. [4] By using OSCE mode in clinical operation teaching, teachers can effectively understand the actual operation of medical students and have an objective and comprehensive evaluation of students' ability. [5] College and teachers can put forward the solutions according to the highlighted problems, promote students' ability to deal with clinical problems, improve the clinical operation ability of medical students, and flexibly apply the knowledge to clinical operation. OSCE model is different from the traditional examination mode, such as out-of-course examination and comprehensive theory examination, and puts forward the requirements for the clinical practice ability of medical students, which involves the examination contents of clinical analysis and problem-solving, clinical operation ability, emergency handling ability, etc. The comprehensive operation ability of medical students is evaluated in detail. [6] Applying OSCE examination

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method can strengthen the enthusiasm and subjective initiative of medical students, make them use classroom knowledge reasonably, and take corresponding countermeasures to clinical diseases, and cultivate the clinical thinking and communication thinking of medical students. Make it have good communication and understanding ability.

3.2. Promoting the Interface Between Teaching Knowledge and Nursing

OSCE examination can reflect the shortcomings of medical students and nurses in clinical work. These deficiencies can be fed back to the process of clinical nursing training, which can guide managers to study and analyze the existing state, and then put forward corresponding solutions to train nurses who are competent in nursing work. [7] When teachers teaching, they can apply clinical cases to improve students' cognitive ability of clinicopathology, learn the knowledge of clinical emergency operation on the premise of students' mastering knowledge, and require students to integrate textbook knowledge with clinical knowledge. Have a correct judgment and analysis of clinical cases, sufficient problem-solving ability. [8] The main task of colleges and universities is to train medical and health service personnel, which not only requires students to have excellent medical knowledge and operational ability, but also requires students to apply this ability skillfully to clinical activities. Have comprehensive service ability such as medical care, meet the requirements of medical work. [9]

3.3. Improving the Quality of Teaching Teachers

OSCE mode can guide students to improve their own ability better. The application of OSCE mode puts forward high requirements for teachers' knowledge ability. Teachers are required to master the medical knowledge of teaching material, have a very high teaching level, and also have good practical experience in clinical technical operation. The effectiveness of the OSCE assessment depends to a large extent on the level of teachers' educational ability. Only when teachers closely combine clinical practice experience and improve their teaching level in the course of daily teaching can they improve the teaching effect and give full play to the application level of OSCE mode.

Teachers make corresponding remedial plans in time for the shortcomings of teaching, medical students find their own shortcomings in time in the examination, and seek solutions to the problems. Therefore, teachers must constantly follow the pace of social progress, unremitting learning, and according to the students' response to improve their teaching methods, improve their own teaching level. [10] Apply OSCE mode to train medical students' comprehensive operation ability to enhance students' comprehensive operation quality ability.

3.4. Training of Medical Personnel in Nursing

Graduation examination is an effective way to observe the overall learning situation of medical students and an effective way to reflect the clinical practice ability of medical students. Training medical talents is to meet the clinical needs of clinical medical diseases to make contributions. Therefore, in the nursing teaching process, the comprehensive operation skills of nursing students are the focus of training. [11] Teachers make nursing students familiar with the relevant contents of the examination through daily teaching and training, lay a solid foundation for the successful passing of the doctor qualification examination after graduation, and improve the students' post competence. By OSCE the relevant examination of nursing students' clinical operation skills, we can better promote the continuous improvement of medical students' comprehensive quality and practical ability, and realize the goal of talent training. To cultivate students' interest in clinical knowledge, strengthen the comprehensive operation ability of enterprises, enhance students' professional accomplishment and comprehensive operation accomplishment, and suggest students' team cooperation ability and clinical operation ability. So that students can master the practical method of clinical events, always abide by the norms

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of professional behavior, and solve practical problems with their own professional knowledge and operational skills. [12]

4. Existing Problems and Improvement Measures

Nursing work requires higher practical ability of medical students, and OSCE mode can enhance the professional accomplishment and practical ability of nursing students, which can make them better in nursing work in the future. It not only has good ability of analysis and examination in patient data collection and clinical analysis of diseases, but also makes nursing students have a good adaptation process to the transformation of biological-psychological-social medical model. However, under the influence of medical equipment and invigilating management, the OSCE model is in the stage of exploration and research, and some problems are inevitably encountered in the application of colleges and universities, so it can not be widely implemented. [13] As a result, we need to make further improvement measures against difficulties and build an objective, fair and implementable OSCE model.

The assessment content of the OSCE model has not been completely unified, showing a diversified trend, and the continuous optimization of the assessment content of the different assessment modes in each university or college has not been completely unified for the OSCE examination station setting and examination content at present. [14] Most nursing students can achieve higher results in the operation of single nursing operation, but when nursing students encounter many operations or various forms of nursing operation, various kinds of small problems such as irregular operation begin to appear. The examination result is not as good as before. [15]

Therefore, we should focus on training and strengthening daily supervision in improving students' clinical operation standardization. Students are required to absorb the experience of excellent teachers and medical staff on the basis of their operational ability, and further strengthen the relevant requirements of their own code of conduct. Actively formulate scientific prevention and control measures, carry out medical talent construction, solve the phenomenon of low practical ability of medical students, make the OSCE model more in line with the requirements of medical clinical operation and convenient operation. [16] Colleges and universities should unite to modify the assessment model and further improve the OSCE assessment content and evaluation standards.

5. Conclusions

OSCE mode is a new assessment method, which can assess the mastery of nursing students' operation skills from many aspects, solve the problem of single and low effect of traditional examination, and solve the difficulties encountered by medical students in nursing operation conveniently. Teachers should pay more attention to improve students' comprehensive ability of theory and practice, integrate OSCE mode into teaching, improve teaching and management level, and carry out various courses to cultivate students' clinical practice ability. OSCE model is applied to teaching to assess students' medical theory knowledge and clinical comprehensive practical ability, so that students can find out their lack of ability in what aspects, and promote students to improve themselves in practice. Cultivate high-quality nursing talents and provide strong support for nursing education.

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