

The Application and Value of “Sansheng Education” in the Course of Pharmacology for Medical Students

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Abstract: “Sansheng Education” refers to life, survival, and living education. In the course of pharmacology for medical students, “Sansheng Education” has important value and application. Pharmacology is a discipline that studies the interaction patterns between drugs and organisms, playing a crucial guiding role in the discovery, development, production, and use of drugs. This article discusses the importance of pharmacology in the medical field and proposes the application and value of combining it with the concept of “Sansheng Education”. With the progress of society and the pursuit of higher quality of life, “Sansheng Education” has gradually received attention. It aims to improve students’ awareness of life, enhance survival skills, and enhance their quality of life. Integrating “Sansheng Education” into pharmacology teaching not only helps students better understand the mechanism of action and clinical application of drugs, but also cultivates their humanistic literacy and social responsibility, helping to cultivate well-rounded medical talents.

Keywords: “Sansheng Education”; Medical students; Pharmacology

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Pharmacology is a discipline that studies the laws of interaction between drugs and organisms, and is an indispensable part of the medical profession. It involves the discovery, research, development, production, and use of drugs, aiming to provide scientific basis for disease prevention and treatment. The importance of pharmacology lies in the fact that it is a discipline directly related to drug therapy in the medical field and closely related to human life and health. Survival, and living has gradually received attention. This educational philosophy aims to help students understand life, cherish life, improve survival skills, and enhance quality of life, which is of great significance for the comprehensive development and personal growth of students. Pharmacology, as a core course in the medical profession, not only requires students to master the basic knowledge and treatment skills of drugs, but also to cultivate their humanistic literacy and sense of social responsibility. Integrating “Sansheng Education” into pharmacology teaching helps students better understand the mechanism of action and clinical application of drugs, while also improving their life awareness, survival skills, and quality of life, and cultivating more comprehensive medical talents.

1. Exploration of the Application of “Sansheng Education” in Pharmacology Curriculum

Life education is an educational philosophy centered around life. It emphasizes the respect, appreciation, and enhancement of life, aiming to guide students to understand the meaning and value of life, thereby cultivating their positive attitude towards life and healthy behavior habits. Survival education, as the name suggests, is an education that focuses on the survival ability of individuals or groups in specific environments. Life education plays an important role in pharmacology education. It is not only about educating students

about pharmacology, but also cultivating their life wisdom, mastering ethical, legal, and moral principles related to pharmacy, so that they can always adhere to the principle of people-oriented in their future career and make contributions to society. Pharmacology, as a science that studies the interaction between drugs and living organisms, is inherently related to human life, health, and quality of life. Therefore, life education in pharmacology courses places greater emphasis on reverence and care for life, guiding students to understand the intervention and impact of drugs on life, and cultivating their responsible attitude and ethical concepts. In pharmacology courses, survival education emphasizes the cultivation of students' ability to respond to emergency medical situations, handle adverse drug reactions, and develop safety precautions in drug management. The characteristic of this educational method lies in its applicability and practicality. It requires students not only to master theoretical knowledge, but also to have the ability to operate and respond to unexpected situations in practice.

In order to evaluate the effectiveness of pharmacology teaching in "Sansheng Education", teachers can conduct comprehensive evaluations from multiple aspects. Firstly, students' mastery of pharmacology knowledge can be evaluated through their classroom performance, homework completion, and other factors. Secondly, students can be organized to conduct self-evaluation and group evaluations to understand their understanding and achievements in life education. At the same time, teachers can also collect feedback from students through surveys, individual interviews, and other methods to further improve the design and implementation of life pharmacology teaching.

2. The Impact of "Sansheng Education" on the Reform of Pharmacology Teaching

Pharmacology is a discipline that emphasizes both theory and practice. Traditional teaching methods often focus too much on imparting knowledge, while neglecting the cultivation of students' outlook on life, survival skills, and life abilities. The integration of "Sansheng Education" provides new ideas for the innovation of pharmacology teaching models. Through life education, we guide students to understand and respect life, and integrate the concept of life into the knowledge system of pharmacology; Through survival education, we emphasize practical operation and emergency response capabilities, enabling students to master medication skills in practice; Life education emphasizes the humanistic care and social responsibility of pharmaceutical services, allowing students to understand the mechanisms of drug action while paying more attention to the quality of life and needs of patients.

As organizers and guides of teaching activities, teachers' teaching methods have a crucial impact on the learning outcomes of students. The implementation of "Sansheng Education" encourages teachers to constantly update teaching methods and means to meet the comprehensive development needs of students.

3. The practical significance and value of "Sansheng Education" in pharmacology

Who has been teaching pharmacology for many years, as a teacher. In the past few years, I have achieved significant teaching results by integrating life, survival, and life education into pharmacology courses. These practical experiences have made me deeply realize the practical significance and value of "Sansheng Education" in pharmacology.

Firstly, "Sansheng Education" emphasizes the concept of life, which is highly consistent with the core philosophy of pharmacology. Pharmacology, as a discipline that studies the interaction between drugs and living organisms, is related to human life and health. Through pharmacology courses, I guide students to understand the preciousness and fragility of life, cultivate their bioethical concepts and sense of social responsibility. This enhances students' understanding and interest in pharmacology. Secondly, survival education is an indispensable part of "Sansheng Education". Pharmacology courses not only focus on the treatment of diseases, place greater emphasis on disease prevention and health promotion. Through survival education, I teach students how to apply pharmacology knowledge in their daily lives to maintain their own and others' health. This not only enhances students' ability to solve practical problems, helps improve their quality of life and social adaptability.

Finally, life education focuses on the harmonious development of individuals and society. In pharmacology teaching, I focus on cultivating students' teamwork spirit, communication skills, and innovative thinking. By guiding students to pay attention to issues such as drug development and policy formulation in practice, I help them better understand the close relationship between pharmacology and human life, and inspire their enthusiasm and sense of mission to contribute to improving public health.

4. Prospects for the Reform of Medical Pharmacology in the Future through the "Sansheng Education"

With the rapid development of the pharmaceutical industry and the constantly changing public health needs, the reform of pharmacology teaching is imperative. I believe that future pharmacology teaching should focus on "Sansheng Education" as the core,

emphasizing the cultivation of students' comprehensive qualities and social responsibility. Specifically, the following aspects are worth paying attention to: firstly, strengthening the interdisciplinary integration of pharmacology curriculum construction. In order to help students better adapt to future development needs, pharmacology teaching should actively integrate with other disciplines to form a distinctive interdisciplinary curriculum system. This helps to broaden students' knowledge, cultivate their innovative thinking and interdisciplinary collaboration abilities. Secondly, strengthen the position of practical teaching in pharmacology teaching. Pharmacology is a highly practical discipline, and practical teaching is an important way to cultivate students' practical skills and innovative spirit. Finally, the concept of "Sansheng Education" will be more widely applied and promoted in future pharmacology teaching. Schools will pay more attention to cultivating students' awareness of life, survival skills, and quality of life, in order to promote their comprehensive development and social adaptability. At the same time, the concept of "Sansheng Education" will also be integrated with other educational concepts to jointly promote the reform of pharmacology teaching.

References:

- [1] Yang Baofeng, Su Dingfeng. Pharmacology [M]. 9th edition. Beijing: People's Health Publishing House, 2018.
- [2] Zheng Xiaojiang. Knowledge based Science Education and Humanistic Value Education - The Significance and Value of Promoting "Three Life Education" [J]. Guangdong Social Sciences, 2011, 1 (01): 71-74.
- [3] Wu Xiaoliang. Exploration of Local "Three Life Education" in Yunnan [J]. China Vocational and Technical Education, 2010 (13): 59-60.
- [4] Xu Quanyi, Yu Xuefeng. Teaching Experience of College Pharmacology Course [J]. Knowledge Library, 2018, 15 (12): 171-172.
- [5] Gao Yanqun, Chen Kaihua Research on the Teaching Model of Sports Clubs under the Concept of Life Safety Education [J] Sports Vision 2021, (24): 49-51.
- [6] Yu Lanhua, Guo Meng An Analysis of the Inner Logic of Quasi Social Survival Education for College Students: An Empirical Analysis Based on Resilience [J]. Journal of Education Academic Monthly, 2022 (5): 85-90+96.
- [7] Zhou Hongyu Inheritance and Development: From Life Education to "Life Practice" Education Journal of Ningbo University: Education Science Edition 2021-43 (03): 1-9.
- [8] Wang Heng, Ji Yangdan, Chen Lin Exploration of Teaching Reform Strategies for Pharmacology in Higher Education Institutions from the Perspective of the Internet [J]. Education and Teaching Forum. 2023, (33): 89-92.

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