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Analysis and reflection on the final examination papers and grades of physiology in different majors

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The authors analyzed a total of 1,049 physiology final exam papers and scores of different majors of five-year Chinese medicine studies (Chinese Medicine, Experimental Chinese Medicine, and Acupuncture) in the 2019 and 2020 classes of Beijing University of Traditional Chinese Medicine (BCM) using the test paper analysis system of BCM, and further evaluated the difficulty levels and differentiation of the exams, etc. The results showed that the physiology final examination papers of the two grades were moderately difficult, well differentiated, with basically reasonable grade distribution and real and reliable results. Statistical tools were also used to analyze the results for both grades, and it was found that there were statistical differences in the exam scores, passing rates and merit rates for different majors, with the Experimental TCM class having the highest average score and acupuncture-moxibustion and Tuina major having the lowest average score. After excluding the differences of lecturers, the possible reasons were analyzed: the science foundation of acupuncture-moxibustion and Tuina students is not as good as that of TCM students, and some students of acupuncture-moxibustion and Tuina major are liberal arts students, who have difficulty in understanding the mechanism of physiology related to physics, chemistry and biology, and the entrance score of this major is also lower than that of TCM majors. So in the future, we should strengthen class preparation of lecturers for acupuncture-moxibustion and Tuina classes. We need to pay more attention to the students' feedback to improve teaching effectiveness. The analysis of the test papers provides data support for teachers to carry out targeted teaching activities from the perspective of different specialties, and also provides a reference basis for teachers to further improve their teaching of physiology.

Keywords: test paper analysis, physiology, Chinese medicine major