

Practice and effect of human function experiment teaching

——Taking the human experiment of respiratory system as an example

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The development of human function experiment teaching is an important trend of function experiment teaching reform in medical colleges and universities. Using the labstation system, the laboratory has set up experiments including human ECG recording, lung volume change, human blood pressure measurement, human muscle reaction, reflection and reaction time, psychological stress and so on. Using the rich teaching resources provided by the software, the experimental contents are set for different levels and majors. Taking human physiological function and regulation as the main line, an experimental system with human body as the object is preliminarily established. Taking the respiratory system as an example, measure various pulmonary function indexes in the resting state and forced breathing, and then simulate the changes of pulmonary function parameters in the case of respiratory restriction, so as to help students understand the regulation mechanism of respiratory movement. Through the implementation of human body function experiment, students' understanding of the overall function of the human body is deepened, and favorable conditions are created for the construction of a teaching environment combining foundation and clinic.

Keywords: Experimental teaching, Human function experiment, Respiratory movement, Pulmonary function