

"Five-in-one" -the Laboratory teaching of Physiology in the post-pandemic era

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Physiology laboratory course is an important part of physiology teaching, and it is also a key to promote students to understand concepts of physiology and develop scientific thinking. With the integration of information technology, physiological experiment teaching has transitioned from the traditional animal experiment-based model to multidimensional teaching strategies. Combination of human physiology experiment, animal experiment and virtual, physiology lab provides multiple and enriched approaches to the student's learning. Especially, physiological data-driven virtual simulation experiments make an effort for students to learn the specific process of the internal operation of the human body. The application of various teaching approaches promotes students to understand the concept, formation and regulation of physiological phenomena. In virtual and real, students carry out experiments based on the questions, analyze data according to the results, and improve scientific thinking by designing experiment independently. The multi-dimensional teaching approaches greatly improve teaching and learning effect and is new trend in physiology teaching.

Key words: physiology teaching, Virtual and Real, multidimensional teaching strategies