

Design and Application of Physiology Experiment Based on Trinity Experiment Teaching Idea

ZHANG MINGHAO

School of Basic Medical Sciences, Ning Xia Medical University,

E-mail: zhangmh270@163.com

Abstract

In this workshop report, there is introduce the design of physiology experiment based on trinity experiment teaching idea and some experiences in classroom application. To explore the formation mechanism and influencing factors of blood pressure. A typical hemorrhagic shock patient was taken as an example. Based on the trinity experiment teaching idea of virtual simulation experiment, normal human experiment and animal experiment, Through the analysis of typical clinical cases and the operation of virtual hemorrhagic shock patients, students have a preliminary understanding of the changes in blood pressure of shock patients. Next, the students independently designed the rabbit arterial blood pressure experiment and reported it through the flipped classroom. Finally, the students took themselves as the research object to measure the arterial blood pressure under different conditions. This case suggest that the application of the trinity experimental teaching idea based on virtual simulation experiment, normal human experiment and animal experiment will help to strengthen the connection between basic medical knowledge and clinical knowledge, motivate medical students' active-learning interest and participation in experiments, and also provide help for the cultivation of students' clinical medical thinking.