

Physiology Experiments for medical students online

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Experiments for teaching physiology to both medical and science or undergraduate physiology students are critical for developing students' knowledge and understanding of how physiological experiments are performed within the laboratory. Additionally, they provide students with opportunities to develop their scientific research skills and can foster students' interest in physiology. During the Covid pandemic most students studied via online lectures and small group discussions, and had little opportunity for participation in face-to-face laboratory classes. At the medical school of University Ciputra ,Surabaya where I am giving lectures,small group discusiions and laboratory experiments I use the program Physio Ex 9.1 (Pearson Company) The expirments I use are skeletal muscle,cardiac muscle and spirometry An example of these online experiments are given in this talk

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Replicating the experiences and learning gains of an experimental laboratory class in an online setting is challenging, particularly as online programs are limited both in number and scope or are expensive to access.

In this symposium, we will hear from experienced educators describing how they created and used online physiology laboratory experiments to meet these challenges.