

Video - vhodný nástroj pro praktickou výuku fyziologie?

Video – a suitable tool for practical teaching of physiology?

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Physiology is one of the essential theoretical fields of study at a medical faculty. Since physiology is an experimental discipline, it was taught with the help of experiments on animals in the past. Students performed physiological experiments on species commonly used in laboratories, e.g. rabbits, rats or mice. In the last decades of the previous century, the attitude of society as well as our students regarding experiments on animals started to change. We often encountered situations in which students refused to perform biological experiments pointing out their inutility. After the Act No. 246/1999 on animal protection was passed, we decided to stop using experiments on animals for teaching purposes and to replace them with other alternative ways of teaching, particularly with educational films. Our experience shows that a simple watching of videos leaves a minimal memory trace, which is why we decided to make educational films with interactive features (diagrams, charts, animations or assignment for students). The videos were shot in cooperation with the Audiovisual centre of our faculty and the animations were created by one of our medical students. These films will be used for practical exercises in general physiology, physiology of respiration, cardiovascular system and special senses. Moreover, the authors deal with importance of educational films in practical teaching of physiology. The streamed versions of videos will be available on website of Department of teaching and application of computer technology and on Mefanet portal. The video files will be uploaded to and distributed by the central server of Medical Media (www.medicalmedia.eu).