Lecture, 1. 4. 2016, 09:00

Neue Medien in der medizinischen Ausbildung

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Integrating case material and tutorials into radiologic education of medical students, requires to consider the principles of modern medical education. Peer reviewed case collections are available in the internet and allow to present excellent multimedia case examples to train clinical reasoning at all levels, from interdisciplinary clinical basics up to differentiated clinical work up of complex conditions to be integrated into learning settings for advanced students. The personal experience of the author started with radiologic eLearning and moved to interdisciplinary case and web based blended learning for students and in postgraduate or mixed settings.

The current evidence of educational research votes for the “involved teacher”, who interacts with students personally, especially in clinical medicine. To combine own case materials with well known national or international resources represents a good basis to construct a local course. The so called digital natives are very knowledgeable to find resources themselves. In the opposite to the former learner types, who had difficulties to access review articles and scientific evidence, modern students have good skills to learn theoretical background from online sources or books. They are especially interested to learn experiences of clinical specialists by interactive examples. Often underestimated, but of utmost importance are the needs of teachers. “Work related teaching”, an important topic of educational research, points to the practical benefits of “fresh” cases to be presented to participants of case based learning activities. Integrating own cases, can provide better clinical information and a kind of dedication, which is much appreciated by most learners. This lecture will emphasize how to create different designs of case presentations with considerations and discussion about best use of time and resources, including a look to the upcoming direction towards interdisciplinary education, parallel to interdisciplinary clinical medicine. Some examples will be shared and discussed, as well as the relation of institutional projects between innovation and sustainability.