

Virtual quizz as a tool for learning and assessment in clinical anatomy (imaging and sectional anatomy)

Tavares, MADF. and Tavares, MAF.

Faculdade de Medicina da Universidade do Porto

This work was developed in the scope of the Discipline of Clinical Anatomy of the Medical Course in the Faculty of Medicine of the University of Porto (FMUP), supported by the Office of Support for New Technologies in Education, University of Porto. The curricular plan includes teaching and learning of surface, sectional, and normal imaging anatomy of the human body. The practical assessment consists of a test for identification of 40 structures in sectional anatomy slices, photographic plates and imaging documents (model Virtual Quizz). Since this examination proof is eliminatory, with profound impact in medical students, the Virtual Quizz emerged as a tool to allow the training of the abilities to be achieved and enhance the academic performance. Technically, the Virtual Quizz is based on an animation built in Adobe Flash 8, in that an animation carries, randomly, 40 images of a total of 2500. To each one of these images there is the respective correct answer. The student has a minute to answer each group of 2 images, in the end of which a sonorous sign is heard, with automatic advancement of the page for the following group. After viewing and identifying the 40 images the final result is shown, being possible to the student review the image with the correct answer as well as his/her own response. As this tool is exported to a SCORM package, the final grade is transposed for the Learning Management System, which allows the teachers to have an individualized information. Prior to engage the Virtual Quizz production, we decided to carry out a pilot experience with the students of the discipline of Clinical-Surgical Anatomy of the Orthodontics and Orthognatic Surgery Master Course, and integrated in the WebCT Vista, one of the UP e-learning platforms. The Virtual Quizz will be available to the students during the 2007/08 academic year. Regarding the technology and the preliminary results obtained, the main advantages and disadvantages associated to this teaching/learning strategy will be presented. We also must refer the growing importance of self-assessment tools in higher education, providing the students knowledge evaluation. It is important to highlight that the Virtual Quizz is a tool that can work dissociated of a LMS and can be used online and offline.