

EVALUATION OF A NEW E-LEARNING METHOD OF TEACHING PRACTICAL HISTOLOGY AT DEPARTMENT OF HISTOLOGY AND EMBRYOLOGY IN OLOMOUC

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D2.3 IMAGE ATLASES AND MULTIMEDIA FOR EDUCATION

We have developed our own database of histology practical in the format of MS Excel document. It is available in two language versions, Czech and English, with identical contents. After logging into a welcome desktop screen, students are hyperlinked into the content page of the histology practical database. Each topic of practical session (24 in total) contains a set of virtual slides with slide properties, keywords, file size information and overview pictures of virtual slides. Additional supporting documents in pdf and ppsx format are also available for each of the histology topic. These are: a guide to the practical session, presentation for pre-lab session, presentation of selected electron micrographs, folder of movies and animations and embryology notes). During their own study of virtual slides, students can copy to clipboard selected areas of virtual slides viewed in the Olyvia viewer, and paste them directly into their own self-prepared pptx presentation for later revisions. Using the official university-recommended questionnaire and also our own specific set of evaluation questions, we have allowed students to evaluate this new method of practical sessions. Students evaluated positively the use of PC for examination of virtual slides, as they allowed them to study and also to discuss various details of cells and tissues clearly at various magnifications. Teachers benefited from a uniform quality of presented slides and also from a straightforward and personal communication with students in the class when personal guidance and explanation was needed at student's monitors.