

Abstract (english)

The subject of this thesis is the analysis of the development and use of medical simulators in terms of information support, basic description and introduction to the issue of medical training simulators themselves. The introduction describes the simulators since the beginning of the historical development to the current use. Subsequently, the work deals with manikin for patient simulators, the essential components, required for proper functioning, which are mathematical models on the background of the simulators. The chapter on repositories, describes the problems of model documentation and archiving of articles which describes the models. There are described reference managers for managing the literature and made a basic comparison of their features. The thesis focuses on a selected reference manager - Docear, which is described and used in the practical part. It deals with the organization of the scientific literature of Biomedical simulators in the Department of Biocybernetics and Computer Aided Teaching at the 1st Medical Faculty of Charles University.

Key words (english) - medical simulators, information support, education, information base, repository, reference manager, mind maps