

TRAINING MODULE IN ULTRASONOGRAPHY E-EDUMED

THE ULTRASOUND MODULE

e-EDUMED project aims to increase the competencies of medical doctors in Ultrasound techniques. The ultrasound module started on 15/3/2012 and had a duration of 3 months ongoing.

The learning pathway consists in 3 Modules:

Module I - THEORETICAL MODULE

Physical-methodological basis - principles; Ultrasound modules; Technics and Ultrasound semiology

Module II - GENERAL ABDOMINAL ULTRASOUND

Module III - SPECIAL ULTRASOUND



AN OVERVIEW OF ARCHITECTURE AND ONLINE ENVIRONMENT

An E-Learning platform has been set up for the delivery of the online course and to host the PBL repository that are the main products to be implemented for the project.

Claroline is the open source E-Learning platform implemented for the delivery of the online course and host the Virtual Classroom (PBL repository).



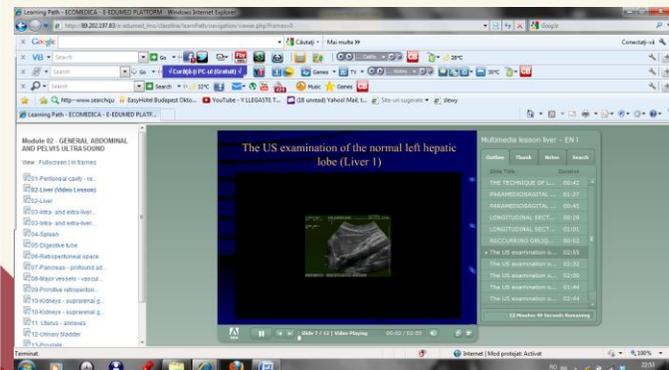
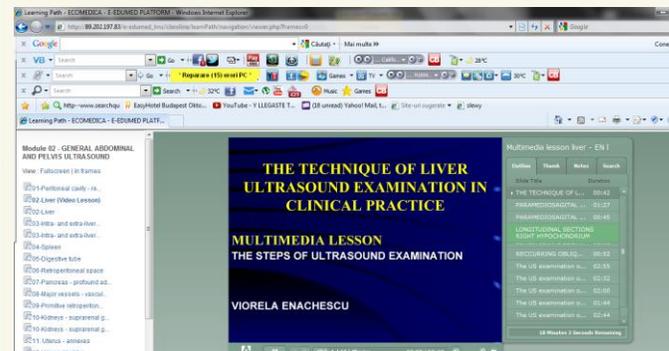
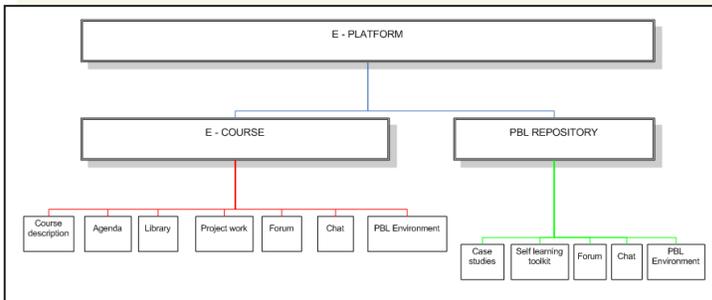
Learning pathway has been realized through an innovative methodological model combining both theoretical and practical aspects, in order to enhance the learning skills based on the study of real cases thanks to the Problem Based Learning (PBL) approach implemented into a virtual environment (virtual classrooms).



The virtual classes in ultrasound ended on 15.06.2012., BUT ALL TRAINING MATERIALS ARE AVAILABLE ON OUR E-LEARNING PLATFORM.

WHY OUR ULTRASOUND COURSE?

The learning path area is composed by different modules, as many as foreseen by the didactic strategy. Within each module, different type and number of learning objects that can be considered as elementary bulks of learning. Three types are included: Multimedia lessons, Video lessons and Quizzes



E-EDUMED pedagogical model meets the medical professionals learning needs through the synergy of a virtual Problem-based Learning approach, a peer training methodology, and a self-direct learning approach, to promote the attainment of practical skills relating to ultrasound. Both the methodologies and the kind of contents delivered help medical doctors and medical students to widen ultrasound skills focusing on practice, case studies and team work. The PBL methodology fosters a greater cooperation among medical doctors allowing them to share their professional experiences through the study and analysis of real cases and the peer training opportunity. PBL basic motivation is rooted in the fact that participants can develop the ability to use fact (their knowledge) to solve problems. Knowledge is considered as a mean, but not as a final achievement. Specifically, they do not learn about problems but they are challenged by them in order to agree on a solution. What is changing in a PBL approach is the "angle", the assumptions of the teaching activity: neither a pure lecture based training activity or a practical on the job training, nor a work based training but a learning strategy which exploits cognitive and metacognitive approach.

E-EDUMED project host trainees in an active learning environment by giving them problems and training them to identify what they need to learn to solve those problems. IT Technologies can provide access to a vast array of information, (including digital libraries), data for analysis, tools for organising ideas (concept maps), presenting ideas (PowerPoint presentations) and forum to provide information, feedback and inspiration. In particular, it allows peer evaluation and mutual peer education process: trainees are part of a learning community where information, comments and information are shared enhancing a peer to peer education instead of a top down (teacher to student) learning process.

Anatomy- pages

US-pages

PPT- slides

Quizzes

161

471

650

150

To join the Ultrasound course register on <http://www.e-edumed.ro>