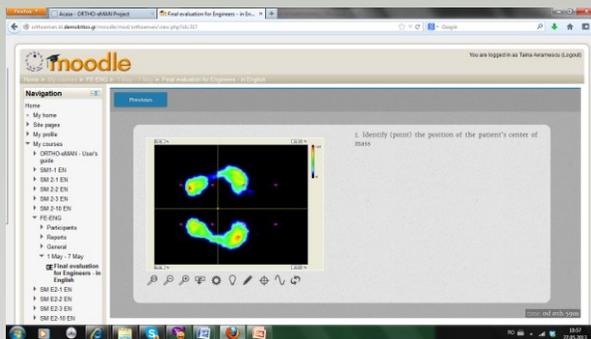


On-line COURSE for Extended Human Motion Investigation in Orthopedics

WHAT ARE WE GOING TO DEVELOP

The goal of the training programme for residency in orthopaedics in Romania is to produce orthopaedic surgeons who are technically competent and knowledgeable of the literature in the field of orthopaedic surgery. In addition, we hope to stimulate interest in solving clinical and basic science problems in the field of orthopaedic surgery. To accomplish this, the present project offers solutions for improving resident training by using new approaches, such as an innovative e-training method that is able to provide the trainees with a range of case studies and an advanced training curriculum.

The ORTHO-eMAN project develops an interactive course in human motion investigation addressed to medical doctors.



The proposed educational module is a continuous medical education approach by Internet, interactive on-line education by consultancy with accredited programme tutors, assuring a secured final evaluation, as well as by the informational support offered, with links and specific portals.

HOW?

Courses are free and address equally medical and engineering training needs, proposing formation of specialists that will apply the principles of medical and biomedical engineering sciences in order to improve the patients' condition. All courses will be available in English, Romanian, Spanish and Greek.

A good knowledge of English, computer usage skills, as well as access to computer and good Internet connection is required.

Registration is open on the first page of the project's website.

TARGET Medical e-learning

WHAT ARE WE GOING TO OFFER

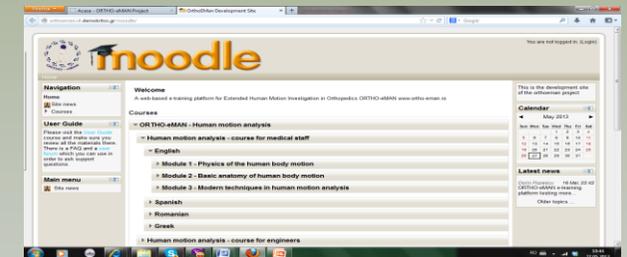
For this course we provide the curriculum, schedule of courses and educational materials (www-based). +To achieve a Europe-wide use, the project will develop a glossary of medical terms, which will cover the medical and technological aspects, in all partner languages. A

video guide to use the e-learning platform will also be developed.

The website is password protected and registration is required. Registration is free and provides access to all educational materials.

The chosen LMS was Moodle and the development effort was led to the ORTHO-eMAN plug-in that consists of 3 parts: plug-in-core, Authoring Tool and Display Tool.

The tools were adapted to the specific requirements of course content. The trainees are provided with a number of case studies and the presentation tier is adapted to include additional data provided by specific modern investigation methods of ORTHO-eMAN, including medical imaging, video files of motion analysis, force graphs, muscle and joint reactions, numerical data, contact pressure diagrams, etc.



Medical module will start on September, 2013. The on-line course includes 4 modules and has duration of 10 weeks (see Curricula at Results menu).

Module 1 – Physics of the human body – 2 weeks

Module 2– Basic anatomy of human body – 3 weeks

Module 3 - Modern techniques in human motion analysis (with case studies) - 2 weeks

Module 4 (assessment) – Case studies – 3 weeks

More information on www.ortho-eman.ro

NEEDS

It addresses to continuing medical education needs in orthopedics.

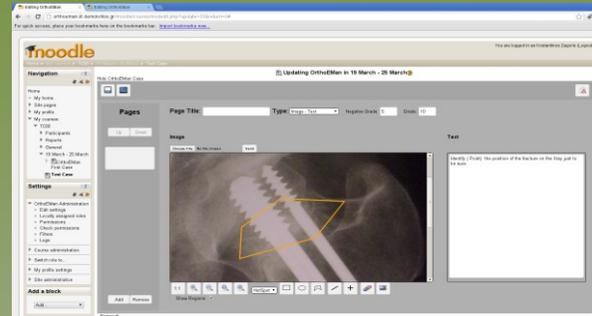
A system of evaluation and self-esteem of the results is available. The system will provide feedback by identifying the correct diagnosis.

A special section will allow chatting, sharing content and tutoring by the provider of the course.

The materials of the course can be consulted on-line.

Evaluation of trainees will be done on-line.

Certification will be available in CME credits.



Registration for ORTHO-eMAN

The process of registration for developed e-learning course is now open. If you want to register as a trainee for human motion analysis course, you can access the ORTHO-eMAN project website (www.ortho-eman.ro), Registration menu. You will receive information about the necessary steps to graduate this course. Then we will inform you when the course will begin.

The target group will be formed by residents, medical doctors in course of gaining competence especially in orthopedics and by engineers.



[More information on www.ortho-eman.ro](http://www.ortho-eman.ro)



A web-based e-training platform for Extended Human Motion Investigation in Orthopedics

ORTHO-eMAN

Project 2011-1-RO1-LEO05-15321
Contract LLP-LdV/ToI/2011/RO/008

Partners:

- University of Craiova (Romania)
- National Center for Scientific Research "Demokritos" (Greece)
- Biomechanics Institute of Valencia (Spain)
- Clinical Emergency Hospital Bucharest (Romania)
- Democritus University of Thrace (Greece)

www.ortho-eman.ro

This project has been funded with support from the European Commission. This publication reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.