



COR-skills Newsletter

Organisation of short term training activity in Greece for teachers/trainers from all participant countries and the launch of the eLearning programme



From the short term training activity in Greece in early October 2017 for teachers/trainers from all participant countries (Foto : Taina Avramescu)

Trainer s transversal kit for orthopedics & rehabilitation

COR-skills project wants to be a sustainable project and to carry on educational activities after the official project funding.

For this reason, the Greek partners developed a Trainer s transversal kit for orthopedics & rehabilitation. The kit is intended to be a guide for the whole developed educational content (e-learning platform and case studies), aiming to introduce the developed resources into current VET & medical life-long-learning. It will present the content of the procedures, the videos, the case studies and the way to be accessed by the trainees, the ways to be developed by trainers, the way to be accessed by the trainees, the ways to be developed by trainers.

The kit was implemented during a teaching-training activity of 5 days, by training the trainers how to develop case studies and upload them on the e-learning platform, so at the end of the project the platform could be updated with new case studies, even if the partnership is no longer active.

This Newsletter No 4 informs about the activities related to the result of this process and the result/Output O3 : e-learning platform, and O4 : Trainers's Transversal kit – othopedic and rehabilitation. The courses will open on 15/10/2017. Automatic enrollment will be able and to access the content of the course from the main page of your account by just visiting <https://moodle.cor-skills.org>



Leaflets ready to provide a short cut to the two training courses
Collaborative learning for patient-focused interventions in orthopedic surgery and rehabilitation



The leaflets can be downloaded from the homepage and Facebook

Our project provides FREE access to:

- a more attractive training programme, in line with individuals' and labour market needs
- an innovative guideline on fundamental rehabilitation protocols for the lower

limb pathologies with correspondent videos for each procedure

- an innovative multimedia casestudies database

- on line ACCREDITED courses in medical education

- validation of training by CME credits

- practical skills development in a simulated environment. Interactivity allows

trainees to test their knowledge and provides immediate feedback using

images and cases that they could encounter in clinical practice. This will function as a virtual medical environment, similar with the work place.

- training for new technologies requested by labour market- training medical

- professionals for computerized gait analysis.

All materials will be available in English, Romanian, Bulgarian and Turkish language

The present material represents the best practice of experts within The Clinical Emergency Hospital Bucharest, Romania, University of Medicine and Pharmacy Carol Davilla Bucharest and Mersin University from Turkey, one of the best known and most respected orthopedic units in the correspondent countries.

By this course we hope to stimulate interest in solving clinical problems in the field of orthopedic surgery and to offer personalized support both for the learners but also for the clients (patients). In order to attain these goals, we developed an interdisciplinary on-line platform with specific learning tools and content, supporting participants in acquisition of skills in the field of orthopedics.

The main goal of the e-learning platform is to give students the possibility to follow training materials, evaluate knowledge and communicate with all involved parties.

Our e-learning platform includes a theoretical part in the form of an innovative guidelines for operational standard procedures in lower limb orthopedic surgery and a practical part with one corresponding video for each procedure and an innovative multimedia database with case studies.



For the ORTHOguide each presented procedure includes:

- the rationale for the procedure
- role of diagnosis - advanced imaging and assessment
- treatment algorithm and alternatives
- preliminary recommendations, indications and contraindications for surgery; risk and harms
- preoperative planning and the preparation of the patients for surgery
- surgical procedure - step by step description (video)
- early postoperative care
- potential short term complications
- communication with patients (pre and post surgery).

COURSE CURICULA	
1.	Anterior cruciate ligament reconstruction.
2.	Total hip arthroplasty
3.	Total knee arthroplasty
4.	Hallux valgus
5.	Osteonecrosis of the femoral head
6.	Chondral / osteochondral defects of the knee
7.	Acetabular fractures- posterior approach
8.	Treatment of unstable trochanteric fractures with Gamma Nail
9.	Treatment of distal femoral fractures using the DCS
10.	Proximal Tibial fractures
11.	Ankle fractures
12.	Calcaneal fracture

There are 30 case studies in the form of full reports on patients in rehabilitation department (medical history, clinical signs, paraclinical evaluations), associated with one or more visual content objects (i.e. 2D, 3D images as acquisition outputs of Ultrasound, Magnetic Resonance Imaging, Tomography), starting with preoperative radiological images, description of rehabilitation procedure, and the outcome of the procedure (postoperative and further follow-up X-rays, MRIs, physical findings).

Some cases will include gait assessment and related data: plantar pressure graphs and numerical data. The system will provide a feedback by showing students the correct diagnosis and how to arrive at it with minimal cost by detailed explanations for the right and wrong answers.

The assessment system will include also case Studies (assessment case studies) that will be solved by the trainees and will follow the same structure as the explained case studies with multiple choice test (40 case studies for skills assessment).

For the REHABguide each presented procedure includes:

- the rationale for the procedure
- the rationale for the procedure
- role of diagnosis - advanced imaging and clinico-functional assessment
- treatment algorithm and alternatives
- preliminary recommendations, indications and contraindications for rehabilitation; risk and harms
- the preparation of the patients for rehabilitation before and after surgery
- rehabilitation procedure - step by step description (video)
- early postoperative recovery assistance
- potential short term complications
- communication with patients (rehab pre and post surgery).

COURSE CURICULA	
1.	Anterior cruciate ligament reconstruction.
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3.	Total knee arthroplasty
4.	Hallux valgus
5.	Osteonecrosis of the femoral head
6.	Chondral / osteochondral defects of the knee
7.	Acetabular fractures- posterior approach
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There are 12 videos corresponding to each procedure in the guide and courses' curricula. The recommendations associated with each procedural step are aligned with existing medical evidence, because for each procedure there are video clips that capture the maneuvers presented in the guide.

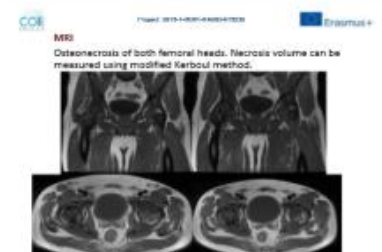


➔ **Where can we find these materials?**

- **The e-learning platform is available on the project website <https://www.cor-skills.org/>**
- The project WEB site of the can be viewed without restrictions, but the e-learning platform is password protected and pre-registration required. Registration is free and provides access to all educational materials. Content is structured in the best way to build graduate skills. A special section will allow chatting, content sharing and tutoring by the course provider. Curricula, Curriculum Courses, and Educational Materials (WWW-based) will be provided for this course. An e-learning platform user guide is available online.
- **In order to acces the e-learning platform you must registrate and follow the instructions.**

➔ **Are they free of charge?**

- **Yes, any medical doctor registrated for the course can consult the materials for free.**





All materials are free of charge. Everybody can consult the materials for free. Just register on the website

OUTPUTS

In this section, you may find the project outputs as they are delivered:

- 01. Reports and Research Studies
- 02. Operational Standards Guidelines
- 03. E-Learning Platform
- 04. Trainer's Transversal Kit
- 05. Presentations

Guidelines of operational standards in lower limb orthopedic surgery and rehabilitation.

Contains 12 standard procedures for hip, knee and ankle surgery which will be proposed for implementation in the medical world of work from participant countries and the correspondent standard procedures for rehabilitation.

The innovation consists in development of procedures that will allow to advance the physician patient communications process and enhance the diagnosis and treatment of musculoskeletal conditions. The

PROJECT PARTNERS

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Turkey

NCSR "DEMOKRITOS"
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How can you reach us?

- If you want to participate to our multiplier event, please consult COR skills website and find out all the event details.
- If you want to participate as trainees in our project, please consult our website. You will find practical information about registration and its requirements.
- If you are interested in our developed materials and oncoming events, please consult our website. We will permanently inform you prior to the start-up of the multiplication events, registration and requirements for participation.

You also could be interested in the **Report for the Current State of Art in the Field of Protocols for Orthopedic Surgical Procedures and Rehabilitation Procedures** after surgery, aiming to:

- select the most common surgical protocols in all participant countries and the correspondent rehabilitation procedures
- make first steps in standardization of protocols and develop interdisciplinary approach (orthopedics-rehabilitation)

PLEASE CHECK FOR THE [SYLLABUS](#) AND A FULL WORKING [DEMO OF TRAINING MATERIALS](#). IF YOU ARE INTERESTED IN OUR COURSES, PLEASE [REGISTER](#) AND ENTER THE COR_SKILLS PLATFORM TO HAVE ACCES TO ALL TRAINING MATERIALS

KA2 - Cooperation for Innovation and the Exchange of Good Practices Strategic Partnerships for vocational education and training.

This document reflects only the author's view and the NA and the Commission are not responsible for any use that may be of the information it contains.

Project Implementation Stage

- ❖ The COR-skills training was done in Athens first week of October 2017
- ❖ The 5th COR-skills meeting will be held in Bucharest 18th November 2017
- ❖ The next COR-skills multiplier event will take place in Romania 17th November 2017

