

TRAIN4 ORTHOMIS

Online Vocational Training course on ergonomics for orthopaedic Minimally Invasive Surgery

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NEWSLETTER Issue 02/2015

MEETINGS

9th July took place the progress meeting of the European Project Online Vocational Training course on ergonomics for orthopaedic Minimally Invasive Surgery.



During this progress meeting (videoconference), information about current project realization stage were presented and discussed (summary of the end-user expectations survey, VET curriculum development progress).

NEWS

SUT and KOMAG performed a workshop placed in Specialist Hospital Sz.Starkiewicza in Dąbrowa Górnicza, Poland. In the workshop the representatives of doctors and nurses (including scrub nurses) took part from several departments: general surgery, traumatology,

Project acronym:

TRAIN4ORTHOMIS

Project full title:

Online Vocational Training course on ergonomics for orthopaedic Minimally Invasive Surgery

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01-09-2014 – 31-08-2017

Coordinator:

Instituto de Biomecánica de Valencia

EDITORIAL

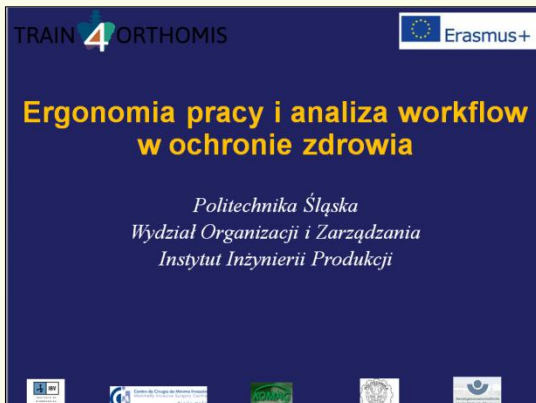
Welcome to the second TRAIN4ORTHOMIS newsletter, which will provide you with an overview of the current project phases and the current activities.

The main objective of this project is development and implementation of an online course regarding orthopaedic Minimally Invasive Surgery of hip and spine. The e-learning tool resulting from the project will be available online in 4 European languages (English, Spanish, Polish and German) in order to increase interest to use the course.



gynecology, operating suite. During workshop two presentations were discussed:

- Joanna Bartnicka (SUT): “Ergonomics and workflow analysis in health care”



- Jarosław Tokarczyk (KOMAG): „The use of computer methods in development training materials process”



PROJECT CONSORTIUM

El Instituto de Biomecánica (IBV) coordinates this initiative. The consortium is also formed by Institute of Biomechanics (BGU-MURNAU); Centro de Cirugía de Mínima Invasión (CCMIJU); Institute of Mining Technology (KOMAG) and Silesian University of Technology (SUT).



Instytut Techniki Gorniczej KOMAG
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KOMAG is a state-owned research and development organization, subordinated to and supervised by the Ministry of Economy, employing 125 scientific research and technical specialists (total 225 employees), offering new, competitive technical solutions in the branch of mechanical systems. An interdisciplinary knowledge of KOMAG specialists, their high scientific, research and technical qualifications create a significant potential, enabling to develop the best advanced technologies. The Train4orthomis project involving two KOMAG teams: Laboratory of Virtual Prototyping Methods (<http://komag.eu/en/offer/virtual-prototyping>) and Laboratory of Modelling Methods and Ergonomics (<https://komag.eu/dlm>).



The scope of activities of both teams is very wide, their works are associated mainly with virtual prototyping of complex antropotechnical systems and the creation of training materials using the latest IT solutions (training videos, interactive e-learning courses and serious games). They are experienced mainly in the mechanical industry, but also took part in the other Leonardo da Vinci Multilateral Projects ‘Transfer of Innovation’ and Erasmus projects (Osteoform, Lapform). In this project both teams are responsible for: preparing the Polish version of the course, collecting information on Polish end-user expectations, participating in the construction of VET curriculum and developing parts of the course content (in terms of ergonomic aspects of surgical equipment during their usage). To increase the attractiveness of developed materials, interactive multimedia solutions will be used.

