

TRAIN4 ORTHOMIS

Online Vocational Training course on ergonomics for orthopaedic Minimally Invasive Surgery

FORMATION
EDUCATION
CONSULTANT
APPRENTISSAGE
E-LEARNING
INTERNET
TUTORIEL
SERVICE
OCTOIEL
RESULTATS
WEB
AVENIR
APPRENDRE
DEVOIRS
CORRECTION
ENSEIGNEMENT
WEB

Project acronym:

TRAIN4ORTHOMIS

Project full title:

Online Vocational Training course on ergonomics for orthopaedic Minimally Invasive Surgery

Project Reference:

2014-1-ES01-KA202-004533

Duration:

01-09-2014 – 31-08-2017

Coordinator:

Instituto de Biomecánica de Valencia

NEWSLETTER Issue 03/2016



EDITORIAL

Welcome to the third 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.

MEETINGS

KOMAG Institute organized the Mid-term and Steering Committee meeting of Train4OrthoMIS project on 14th October.

Management and financial issues as well as currently conducted and future tasks were discussed.

Information regarding Mid-term meeting was posted on participants' websites. Also the project Facebook webpage is still updated.

NEWS

⇒ Posters and paper promoting Train4OrthoMIS project were presented at the 9th International Forum on Innovative Technologies for Medicine - ITMED (December 2015, Suprasl, Poland).

The following paper was presented:

- J.Tokarczyk, M.Dudek, A.Piedrabuena, C.Atiensa, R.Portilla, P.Augat, J.L.Moyano-Cuevas, J.B.Pagador, J.A.Sánchez-Margallo, J.Bartnicka, F.M.Sánchez-Margallo: *Online Vocational Training Course on Ergonomics for Orthopaedic Minimally Invasive Surgery.*
- J. Bartnicka, T. Kściuk, A.Piedrabuena, C.Atiensa, R.Portilla, P.Augat, J.L.Moyano-Cuevas, J.B.Pagador, J.A.Sánchez-Margallo, F.M.Sánchez-Margallo, J. Tokarczyk : *Ergonomics Challenges in Orthopaedics.*

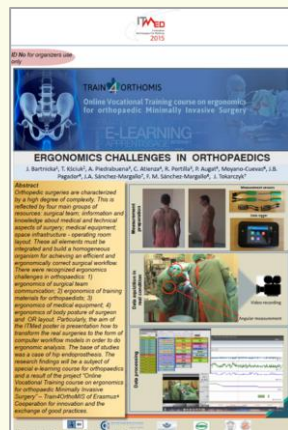
ITMED idea, according to the strategic directions of scientific research and development and strategic research programs, is to promote innovative projects in the field of medicine. Particularly the objective of the Forum is to disseminate the scientific achievements



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importance for medicine development and establish contacts between Polish and foreign clusters and technology parks representing medical industry and to define fields of possible cooperation.



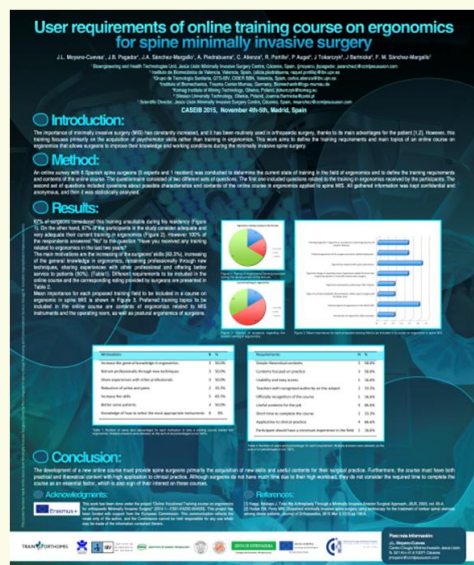
⇒ Poster and paper promoting Train4OrthoMIS project were presented at XXXIII Congreso Annual de la Sociedad Española de Ingeniería Biomédica, CASEIB 2015 (November, Madrid, Spain):

- J.L. Moyano-Cuevas, J.B.Pagador, J.A.Sánchez-Margallo, A.Piedrabuena, C.Atiienza, R.Portilla, P.Augat, J.Tokarczyk, J.Bartnicka, F.M.Sánchez-Margallo. *User requirements of online training course on ergonomics for spine minimally invasive surgery poster.*

The Train4OrthoMIS poster presented by J.Tokarczyk (KOMAG)

The Train4OrthoMIS poster presented by J.Bartnicka (SUT)

⇒ Paper including Train4OrthoMIS first outcomes was presented during the 18th International Conference on e-Education, e-Business, e-Management and e-Learning (January, 2016, Dubai, UAE). The title of the paper is "International E-Learning for Assuring Ergonomic Working Conditions of Orthopaedic Surgeons: First Research Outcomes from Train4OrthoMIS". The post conference proceedings is abstracted and indexed in the International Science Index, and submitted to be indexed in the Google Scholar, Scopus and Thomson Reuters.



⇒ Participation of the coordination team (IBV) of the Train4OrthoMIS project in the Follow-up event for the KA202 projects 2014, organized by the SEPIE (Spanish Agency).



There was an opportunity to share information about Train4OrthoMIS to international audience. The participants of the ICEBML came from over a dozen countries, inter alia: United Arab Emirates, USA, France, Nigeria, Egypt, Kuwait, India, Indonesia, Australia, Saudi Arabia, Jordan, Qatar, Poland, Georgia, Lithuania, Belgium, Turkey.

<http://waset.org/conference/2016/01/dubai/ICEBML>

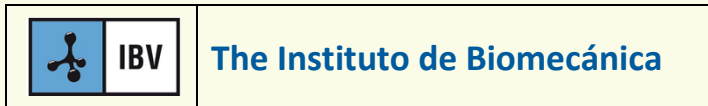
⇒ The Train4OrthoMIS Project was presented at a Biomechanics Workshop in Murnau.



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).

The profile of the coordinator is presented below.



The Instituto de Biomecánica

www.ibv.org

The Instituto de Biomecánica (IBV) is a technological centre that studies the behavior of the human body and its interaction with products, environments and services.

The mission of the IBV is to provide services aimed at caring for people's quality of life through the combination of knowledge in areas such as biomechanics, ergonomics and emotional engineering, while increasing company competitiveness and helping companies stand out from the others.

A multidisciplinary team of specialists in Healthcare Technology, Ergonomics and development of e-learning contents works in Train4Orthomis project.

IBV group in Health in the Workplace has a wide experience in Ergonomics in activities such integration and adaptation of the work station or workplace elements and machinery.

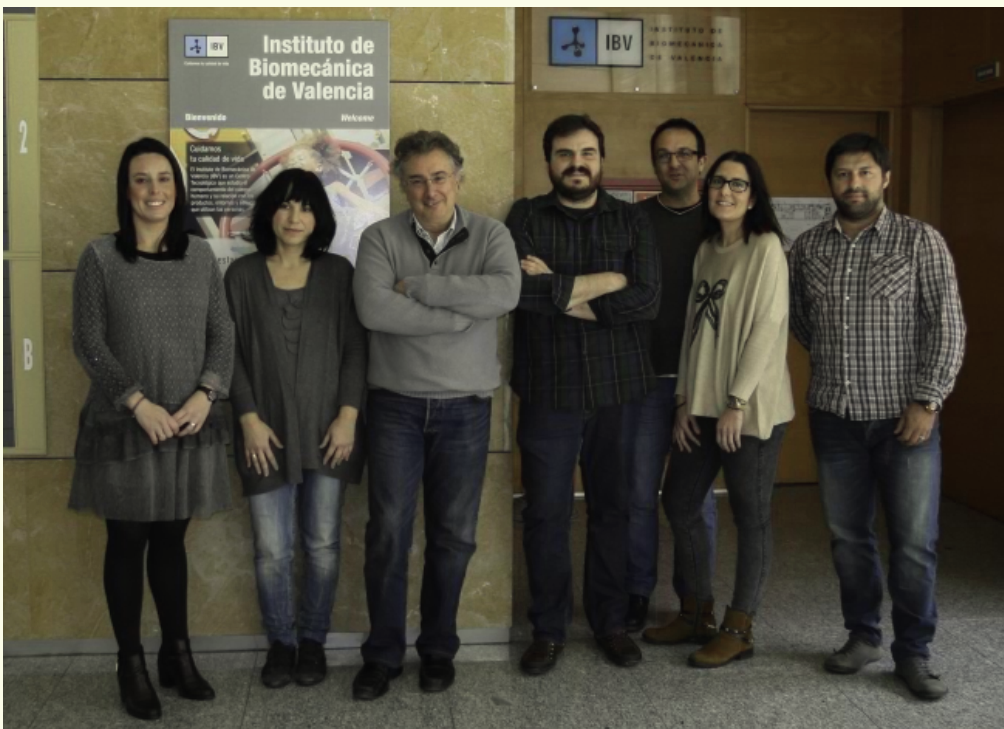
IBV group of Healthcare Technology has an extensive experience working with healthcare service providers and manufacturers, distributors and companies selling Medical devices.

For instance, two areas in which IBV is active are orthopaedic Implants Surgery and training services aiming to produce qualified professionals.

Whether classroom, online or mixed training, the courses focus on certain viewpoints as clinical, engineering and commercial.

In fact, IBV has participated in several educational European projects as Lapform, Biomechanics4rehab, e-Child or Tied-Shoe.

The IBV currently teaches four of its own courses through the IBV Campus: (<http://campus.ibv.org/>).



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