

**Project Number:** 527985-LLP-1-2012-ES-LEONARDO-LMP

**Project Title:** "Online Vocational Training course on laparoscopy's ergonomics for surgeons and laparoscopic instruments' designers"

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**Deliverable number: D6.8**

## **WORKSHOP 3**

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<b>Deliverable number</b>	D.6.8		
<b>Title</b>	Workshop 3		
<b>Type of outputs / products / results</b>	Workshop		
<b>Delivery date</b>	M18	<b>Dissemination level</b>	<input checked="" type="checkbox"/> Public <input type="checkbox"/> Restricted to other programme participants (including Commission services and project reviewers) <input type="checkbox"/> Confidential, only for members of the consortium (including EACEA and Commission services and project reviewers)
<b>Nature</b>	<input type="checkbox"/> Report <input type="checkbox"/> Service / Product <input type="checkbox"/> Demonstrator / Prototype <input checked="" type="checkbox"/> Event <input type="checkbox"/> Other		
<b>Language versions</b>	Polish		
<b>Target languages</b>	English		
<b>Description</b> (limit 1000 characters)			
<p>The workshops were organized by Silesian University of Technology in cooperation with SPZOK District Railway Hospital in Katowice. In frame the workshops such issues as: ergonomic methods of using laparoscopic tools as well as the development of ergonomic working conditions in the field of laparoscopic surgery were presented and discussed (WP4). In addition, a team of contractors from Silesian University of Technology presented the results of previous research conducted within the project LapForm (WP4-contents of the training modules). The workshops were addressed to laparoscopic surgeons as potential pilot end users of the e-learning course developing within the project (WP5, WP7 exploitation of the project results).</p>			

## **WORKSHOP 3 - scientific workshop: “Ergonomics in laparoscopic surgeries” March 3rd and 5th, 2014; Katowice, Poland.**

The idea, results and progress of LapForm project were presented during scientific workshops: “Ergonomics in laparoscopic surgeries” which were held in SPZOZ District Railway Hospital in Katowice on March 3rd and 5th, 2014.

The workshops were organized by Silesian University of Technology and were addressed directly to surgeons performing laparoscopic surgeries. The aim of the workshops was describing and discussing some important issues regarding: ergonomic methods of using laparoscopic instruments; how to create ergonomic working conditions (operating room, equipment location, teamwork etc.) in the area of laparoscopic surgeries. In addition, during the workshops the team from Silesian University of Technology presented the previous outcomes obtained, progress and future works within the LapForm project.

The workshops were held in SPZOZ District Railway Hospital in Katowice in the Department of General Surgery with Subdepartment of Metabolic and Bariatric Surgery.

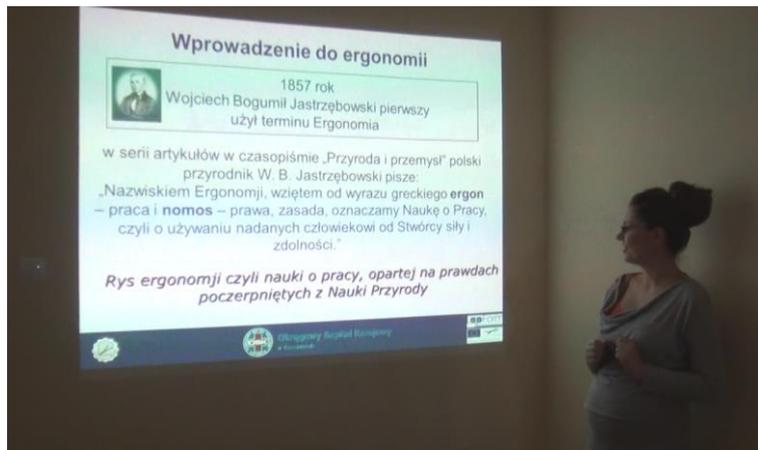
The workshops agenda covered the following sessions (Figure 1):

3rdMarch:

- Workshops opening and welcome participants: Joanna Bartnicka (Silesian University of Technology)
- Monographic lecture entitled “Educational needs in laparoscopy in Poland” presented by Grzegorz Kowalski (District Railway Hospital in Katowice)(Fig. 3)
- Monographic lecture entitled “The challenges for ergonomics in range of improving working conditions in laparoscopic surgeries” presented by Joanna Bartnicka (Silesian University of Technology) (Fig. 3)
- Discussion panel conducted by Joanna Bartnickain which the participants shared their knowledge and experience of the implementation of the proposed solutions to real working conditions
- Summarising the first day of workshops: Joanna Bartnicka (Silesian University of Technology)

5thMarch:

- The lecture entitled “Laparoscopic instruments. Selected ergonomic problems” presented by Michał Dyaczyńskiand Grzegorz Kowalski (District Railway Hospital in Katowice).The lecture was connected with practical activities of using laparoscopic instruments
- Presentation of the first version of training platform by Joanna Bartnicka (Silesian University of Technology). The aim of the presentation was to obtain the potential e-learning users and hence verification of the e-learning contents as well as the e-learning platform assessment
- Debate: the place of ergonomics in education of laparoscopic surgeons: a moderator was Grzegorz Kowalski (District Railway Hospital in Katowice)
- Summarising the second day of workshops and handing out certificates confirming participation in the workshop: Joanna Bartnicka (Silesian University of Technology)



**Figure 1.** Photos taken during lecturers

The presentation had also a practical dimension. This part of workshop included the introduction to attendants of how to prepare the training material and the operational field before a surgery including ergonomic criteria. Particularly, the LapForm outcomes and the assumptions from the Pilot Course: ONLINE VOCATIONAL TRAINING COURSE ON ERGONOMICS FOR LAPAROSCOPIC SURGEONS were presented. Ten surgeons participated in these activities (Figure 2).



**Figure 2.** Practical activities organized during the workshop.

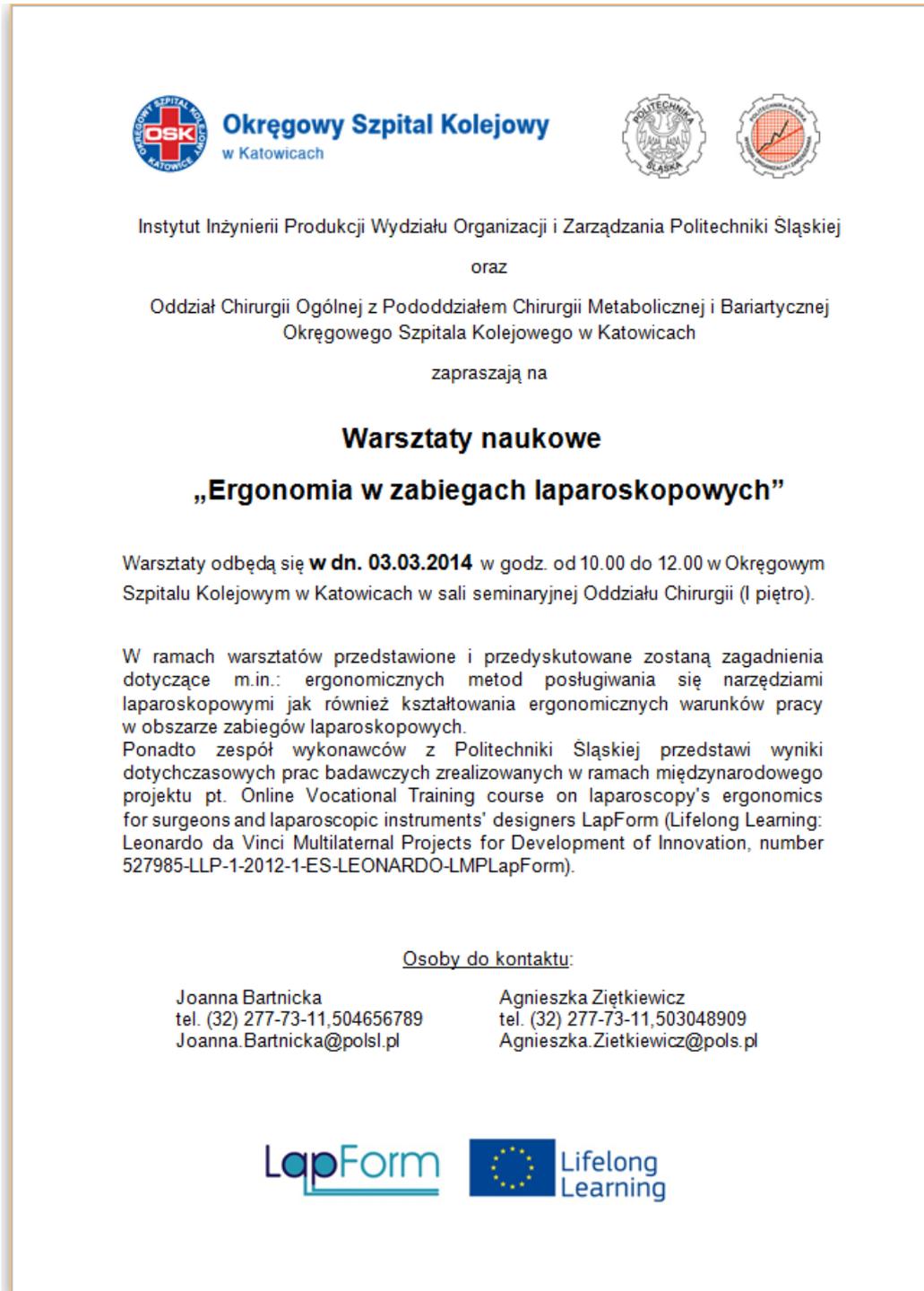
Information about workshop was shared by social networks (Figure 3).



The screenshot shows a Facebook event page for "Warsztaty naukowe „Ergonomia w zabiegach laparoskopowych”" (Scientific Workshops "Ergonomics in Laparoscopic Procedures"). The event is organized by "Okręgowy Szpital Kolejowy w Katowicach" and is scheduled for March 3, 2014, from 10:00 to 12:00. The event description mentions that it will cover ergonomic methods for laparoscopic work and present research results from a project titled "Online Vocational Training course on laparoscopy's ergonomics for surgeons and laparoscopic instruments' de...". A map shows the location at ul. Panewnicka 65, 40-760 Katowice, Poland. The page also features a list of invited guests, including Grzegorz Kowalski, Rasto Johanes, and Sabina Witała, and a section for finding more contacts.

Figure 3. Information about workshop available on Facebook

The poster inviting for workshop is presented in Figure 4.




**Okręgowy Szpital Kolejowy**  
 w Katowicach
 


Instytut Inżynierii Produkcji Wydziału Organizacji i Zarządzania Politechniki Śląskiej  
 oraz  
 Oddział Chirurgii Ogólnej z Pododdziałem Chirurgii Metabolicznej i Bariatrycznej  
 Okręgowego Szpitala Kolejowego w Katowicach  
 zapraszają na

**Warsztaty naukowe**  
**„Ergonomia w zabiegach laparoskopowych”**

Warsztaty odbędą się **w dn. 03.03.2014** w godz. od 10.00 do 12.00 w Okręgowym Szpitalu Kolejowym w Katowicach w sali seminaryjnej Oddziału Chirurgii (I piętro).

W ramach warsztatów przedstawione i przedyskutowane zostaną zagadnienia dotyczące m.in.: ergonomicznych metod posługiwania się narzędziami laparoskopowymi jak również kształtowania ergonomicznych warunków pracy w obszarze zabiegów laparoskopowych. Ponadto zespół wykonawców z Politechniki Śląskiej przedstawi wyniki dotychczasowych prac badawczych zrealizowanych w ramach międzynarodowego projektu pt. Online Vocational Training course on laparoscopy's ergonomics for surgeons and laparoscopic instruments' designers LapForm (Lifelong Learning: Leonardo da Vinci Multilateral Projects for Development of Innovation, number 527985-LLP-1-2012-1-ES-LEONARDO-LMPLapForm).

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Figure 4. The poster about workshop



