



PROJECT: „Development of specialized education of doctors, in the fields essential from the point of view of epidemiological and demographic needs of the country, with the use of endoscopic simulation techniques”

IMPLEMENTED WITHIN MEASURE 4.3

**OF THE OPERATIONAL PROGRAMME KNOWLEDGE EDUCATION DEVELOPMENT NUMBER OF PRIORITY AXIS: IV. SOCIAL INNOVATIONS AND TRANSNATIONAL COOPERATION
AGREEMENT NO: UDA-POWR.04.03.00-00-0291/16-00**

The scope of the Project's transnational cooperation prepared for the purpose of Steering Group

The aim of the project is to enhance the quality and safety of postgraduate training programs of physicians by introduction of new simulation based on programs in the field of endoscopy (bronchoscopy, gastroscopy, colonoscopy, etc.) and laparoscopic based surgical procedures (minimal invasive surgery) from January 2017 till December 2023.

The crucial part of the Project will be tested and after the process of evaluation, implemented as a new training programs.

These programs will be produced with the help of transnational partner.

The participation of the transnational partner is essential, as there is currently no center in Poland dealing with advanced simulation techniques.

The scope of the cooperation between CMKP and transnational partners:

1. Development of the new postgraduate education model in the time frame period (02.01.2017 – 4Q 2022)

The transnational partner will allow:

Study visits of the Polish team in their simulations labs which will develop educational rational of the project. The travel expenses on the side of the CMKP. *Maximal duration – 5 days.*

Study visits of groups of physicians specializing in their field of endoscopy (bronchoscopy, colonoscopy, gastroscopy, laparoscopy – minimal invasive surgery). This team will in each of the developing field produce new solutions in the practical Project co-financed by the European Union under the European Social Fund aspects of educational process. The travel expenses on the side of the CMKP. *Maximal duration – 4 days*

Study visits of instructors specializing in simulation of endoscopical techniques. The travel expenses on the side of the CMKP. *Maximal duration – 5 days; Maximal number of visiting instructors – 30.*

During these visits the transnational partner will allow a the visiting personal passive contribution in their courses.

2. Testing of the developed postgraduate training programs, the assessment of the developed programs will be scheduled during the period of **4Q 2019 - 2Q 2023** out by way of videoconferences,



teleconferences, assessment of programs developed during the testing period.

3. Analysis of the effects of the tested programs and development of the final recommendations with the help of the transnational partner. This is scheduled for the period of **IQ 2021 - 3Q 2023**. This development of this final document will be carried out by videoconferences, teleconferences, assessment of programs developed during the testing period.

4. Implementing the new solution developed with the support of the transnational Partner. In the framework of this measure, within the period from **3Q 2021 - 4Q 2023**, the Partner will designate its representatives and will enable them to participate in the consultations connected with developing the recommendation that will ensure the durability of the solution and the instruction describing the functioning of the developed solution, by means of, for instance: videoconferences, remote consultations, etc.

5. Development of assumptions of quality standards for the process of postgraduate education postgraduate education of physicians with the use of endoscopic simulation techniques Endoscopic Simulation techniques Endoscopic Simulation Centres Network within the period from **04.2021 - 06.2022**. Through its network of simulation laboratories, the partner creates, conducts and analyses virtual surgical residency.

6. Establishment of 2 Regional Endoscopic Simulation Centres within the period from **04.2021 - 06.2022** Simulation centres will be created at the Medical University of Gdańsk and the Medical University of Łódź. The development will include design work, adaptation and renovation works, as well as providing equipment necessary for the realisation of training in the field of bronchoscopy (including in terms of diagnosis of patients with Covid - 19 and other infectious diseases and laparoscopy and gynaecological endoscopy).

7. Testing of the new solution with the support of the transnational partner within the timeframe **02.2022 - 05.2023**. Testing will be conducted in the form of trainings for instructors of endoscopic procedures, simulation instructors and AV technicians (training will be conducted at CSE CMKP and RCSE).

8. Analysis of the effects of the test solution within the period from **05.2023 - 09.2023**, the task will include analysis of the effects of the tested solution including expert opinion and support of transnational partner and development of the final solution of quality standards for the process of postgraduate medical education with using simulation techniques, also in the field of diagnostics, therapy and care Covid-19 and infectious diseases in the CSE Network.

9. Development of recommendations and instructions for implementation of the new solution within the period from **07.2023 - 12.2023**. recommendations will be developed and an instruction manual for the implementation of the new solution standards of quality process of postgraduate medical education using endoscopic simulation techniques within the RCSE Network, together with standards of monitoring and supervision.



Target groups of this program – physicians specializing in the preselected field of medicine.

During the development phase of the new postgraduate training programs

– **16** instructors of simulations and endoscopic techniques

During the testing phase – **362** physicians specializing in the field of clinical oncology, oncological surgery, geriatrics, orthopedics and traumatology, rheumatology, general medicine

During implementation phase the target groups will consist of **88** future instructors specializing in minimal invasive simulation techniques or endoscopy from different centers in Poland. These instructors will implement the developed programs in their academic centers.

The planned results of the transnational partnership

The number of institutions implementing the developed program – index = **3**

The number of physicians who, during their training period, will develop their practical skills in their relevant fields; index = **362**

The number of instructors trained with the help of the transnational partnership program: minimum index = **16**

The number of future instructors trained to develop the local training facilities: index = **88**

The planned developed products of the transnational partnership: The number of institutions that undertook the cooperation in the partnership program – index = **3**

The number of developed instructions and recommendations for the institution that undertook the cooperation in the partnership program – index = **2**

The number of developed and established multidisciplinary simulation centers resulting from the partnership program – index = **3**

The role of the transnational partners

Transfer and adaptation of already developed education programs. This knowledge will allow to introduce solutions already working in the transnational partners' sites

Implementation of the educational standards developed at the transnational partners' sites

Introduction of various scenarios developed at the sites of the transnational partners

Development of the optimal educational practices, assessment of the levels of education of the Polish instructors. Consultation of the developing educational programs developed for the Polish site.

Skill sharing between partners in the field of minimal invasive surgery and endoscopy.

Project Partners anticipate that, in the framework of the commenced cooperation, they will obtain at least the following intangible benefits from the side of CMKP:

Acquiring knowledge concerning the developed technical standards and the equipment of workshops/medical simulation laboratories;

Acquiring knowledge concerning the methodology and techniques of teaching specialized practical skills to doctors in the field of laparoscopy;



Getting familiar with the typical training materials and teaching techniques;
Validation of the teaching methods used so far, with the use of simulation technique
from the **side of the Partners:**

The possibility of performing verification of the constructed curricula on the basis of a controlled random sample;

Correcting curricula, taking into account the mechanisms developed during a test training in Poland;

Developing new curricula, among others, in the area of respiratory tract endoscopy, etc.



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