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CENTRUM PRO KVALITU VE ZDRAVOTNICTVÍ LF MU  
(Center for Healthcare Quality, Masaryk University, Faculty of Medicine)  
Kamenice 126/3, 625 00 Brno, CZ (Czech Republic)



## Brief Yearly Report on Activities of the Academic Center for Healthcare Quality in the period between 01/2016 - 12/2016

Center founded in Brno, 21.02.2011

### PROJECTS

#### Project: Advanced Training and Life Long Learning Program in Applied Health Sciences - AtHeal

01.01.2014 - 30.12.2016

Investor 1: EU

Program Framework: TEMPUS

*Summary in English:* Advanced Training and Life Long Learning Program in Applied Medical and Health Sciences is focused on innovative training methods for the improvement of accountability, quality and safety of professionals working in the area of applied medical and health sciences. The purpose of the project is to jointly reform and modernize a flexible inter-disciplinary training and professional life long program and diploma (LTP) in applied health sciences. A flexible training and diploma was issued by the partner institutions offering the integrated study program. It is a Lifelong Learning Program to enable people at all stages of their lives to take part in stimulating learning experiences and helping to develop strong institutional and individual capacity building across Southern Neighboring Area (ENPI South). MASARYK UNIVERSITY COMMITMENT 1.Particiapte in SWOT analysis, 2.Supervision of the project plan implementation, 3.Assisting LNU, 4.Hosting a CM and training workshop, 5.Receiving mobility staff, 6.Cooperation with other partners to achieve the objective of the project, 7.Participation in the planning, monitoring and management of the project.

Project successfully finished, on October 19th. 2016 the Lebanon University in Beirut announced the Masters Program in „Applied Health Sciences“

<http://www.ul.edu.lb/media/announcements/default.aspx?facultyId=0&announcementId=4471&lang=2>



اعلان عن بدء قبول طلبات الماجستير المهني ١ في العلوم الصحية التطبيقية  
MI Applied Health Sciences  
للعام الجامعي ٢٠١٦-٢٠١٧

The Program consists of the following modules:

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- Health education and promotion
- Health services policy and legal aspects
- Environmental and Occupational health and safety
- Nutrition and nutritional requirement
- Comparative health services systems
- Caring science with focus on nursing
- Quality management in health care institutions
- Infections control
- Health economic & operation management for health services organizations
- Health informatics
- The Elderly in Modern Society
- Acute & critical care

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### **Project: Pilot project on the promotion of self-care systems in the European Union. Platform of experts.**

09. 2014 – 11. 2015 (prolongation 06/2017)

Investor 1: EU

Program Framework: EC tender

*Summary in English:* The main project outcome is to put in place a framework for action to enhance self-care at EU level and develop strategies to support the broader implementation of effective self-care by producing: - Guideline on the promotion of Self-care - Guideline on the development and production of communication tools - Proposal for policy actions and collaboration on self-care at EU level - Creating a platform of experts Objectives shall be achieved by: 1. A cost/benefit analysis of patient self-care oriented health systems in the European Union and the current frameworks in place to enhance self-care oriented health care systems and patients' empowerment. 2. Transferability of best practices 3. The creation of a platform of experts in self-care and healthcare Objectives 1) and 2) will be carried out by a separate contractor, see EAHC contract N°EAHC/2013/Health/26. This tender contract concerns setting up and running the platform of experts in self-care, i.e. objective 3).

The final Conference will be held 17.03.2017 in the International Auditorium. Program available at [http://www.selfcare.me/?page\\_id=20](http://www.selfcare.me/?page_id=20) with main content related to:

- Scenarios for the future of Self-Care systems in Europe
- Guidelines for Self-Care, Communication Tools, and Proposals for policy actions and collaboration.

With the contribution "A healthier Europe – perspectives and policies " by the Director of DG SANTE Mr. John Ryan.

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### **Project: Standardy léčebných postupů a kvalita zdravotní péče (published by Dashofer)**

*Editorial activity:* Odborná publikace – „Standardy léčebných postupů a kvalita zdravotní péče“. Každoročně vychází 4 aktualizace. Každá aktualizace obsahuje 4 – 5 standardních léčebných postupů (dle rozsahu). Jedná se zhruba o 100 nových stran ročně.

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### **Projects in development stage:**

#### **Development of Educational Centres in Medical Informatics (DECeMI)**

Investor 1: EU

Program Framework: Call: EAC/04/2015 (KA2: Cooperation for innovation and the exchange of good practices - Knowledge Alliances)

*Summary in English:* Biomedical and Medical Informatics (BMI) is a very dynamic field undergoing rapid evolution during the last decades. Advances in this research area lead to a radical change in the way health care is delivered today. During the last decade there has been an impressive trend to create new courses and the number of higher education institutions in Europe offering a BMI degree, both at graduate and undergraduate level. The increasing interest on BMI education and training is related to



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the fact that it addresses 3 growing sectors concerning employment: Health, IT and Research. Cooperation will provide a contribution to the modernization of higher education in Ukraine and will enhance the networking among higher education institutions and enterprises across EU and PC. Centers will cover two target groups of medical professionals - students, health practitioners-trainees and two target groups of technical professionals – students, IT-engineers. Students will be provided with all necessary teaching materials in published and electronic form. Health practitioners and IT-engineers will be able to improve their knowledge and skills or to gain new knowledge in modern aspects of medical informatics.

**Training for Medical Education via Innovative eTechnology (MediTec)**

Investor 1: EU

Consortium lead: Leipzig University of Applied Sciences [HTWK].

*Summary in English:* The Aim is to support and modernize of medical education by establishment an innovative training center with realistic simulation models in order to improve the training of practical skills and soft skills in medical education for universities in Jordan, Iran and Iraq. Wider objective:

- Establishing a training center to train teachers and students on innovative medical technology - Training on innovative technologies in EU universities - Adapting training on innovative technology in teaching process - Enhancement of training - methodical concepts based on modernized training courses - Development and Providing multimedia and materials for training on innovative technologies in universities. Implementation - 2 weeks Training for students in each EU partner countries.

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**PUBLICATIONS in 2016**

Bourek Aleš. How to Make Your Work Really Influence Future Healthcare: From Projects through Policies to Integration into Health Systems. Chapter 16 in: Anastasius Moutzoglou editor. Design, Development, and Integration of Reliable Electronic Healthcare Platforms. (Part of the Advances in Healthcare Information Systems and Administration Book Series), p. 271-295, IGI Global Publishing, Hershey, Pennsylvania. 2017.

ISBN13: 9781522517245, ISBN10: 1522517243, EISBN13: 9781522517252, doi: 10.4018/978-1-5225-1724-5 (10.4018/978-1-5225-1724-5.ch016).

Forýtková Lenka a Bourek Aleš. Standardy léčebných postupů a Kvalita ve zdravotnictví - Manuál zvyšování kvality péče pro nemocnice, polikliniky, praktické lékaře a specialisty. 1. vyd. Praha: Verlag Dashofer, 2016. 240 s. aktualizace 2016. ISSN 1803-120X.

Staffa Erik, Bernard Vladan, Kubiček Luboš, Vlachovský Robert, Vlk Daniel, Mornstein Vojtěch, Bourek Aleš and Staffa Robert. Infrared thermography as option for evaluating the treatment effect of percutaneous transluminal angioplasty by patients with peripheral arterial disease. Vascular, London: Sage Publications Inc, 2017, vol. 25, No 1, p. 42-49. ISSN 1708-5381.  
doi:10.1177/1708538116640444.

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## **PRESENTATIONS**

22-23.11.2016. The European Health Station Collaboration for Change and Innovation Summit Brussels, Belgium Convened by: European Health Management Association and F. Hoffmann La Roche, Ltd.

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## **WORKSHOPS / CONFERENCES**

15.12.2016. European Society for Quality in Healthcare (ESQH) Annual General Meeting, Londýn, UK.

Dr. Bourek is a Program Committee member of FRUCT20 (The 20th Conference of Open Innovations Association FRUCT & ISPIT seminar <https://fruct.org/conference20>)

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## **OTHER ACTIVITIES:**

Dr. Bourek was appointed as a member of the Expert Panel on Effective Ways of Investing in Health, European Commission Health and Food Safety Directorate-general. (list of the scientists appointed by the Director-General for Health and Food Safety of the European Commission is available at [http://ec.europa.eu/health/expert\\_panel/experts/members\\_en](http://ec.europa.eu/health/expert_panel/experts/members_en) ). A brief description of the functions of the Expert Panel on Health can be found in Health-EU newsletter 188 - Focus article Expert Panel on Health helps strengthen EU health systems (available at [https://ec.europa.eu/health/node/51403\\_en](https://ec.europa.eu/health/node/51403_en) )

The Head of the Center is Vice-president (ESQH – European Society for Quality in Healthcare [www.esqh.net](http://www.esqh.net)), Executive board member of CEESTAHC - Central and Eastern European Society of Technology Assessment in Health Care.

Dr. Bourek is Editorial board member of International Journal of Health Care Quality Assurance (IJHCQA), International Journal of Reliable and Quality E-Healthcare (IJRQEH)

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MUDr. Bourek was a Steering board member DG SANTE European Reference Networks ([http://ec.europa.eu/health/ern/policy/index\\_en.htm](http://ec.europa.eu/health/ern/policy/index_en.htm)). Participated mainly in „ERN Assessment Manual and Toolbox „, areas of activities.

Key tasks for external experts was to help shape the development of the final manual and toolbox.

1. State of the art mapping report
2. Index and general scheme map of the assessment process
3. Overall assessment process scheme
4. Operational criteria for the eligibility check of Networks and Healthcare Providers
5. Operational criteria for Networks and Healthcare Providers assessment based on the EU legislation
6. Checklist for self-assessment of the applicants
7. Assessment manual and technical toolbox for Networks and healthcare providers
8. Assessment manual and technical toolbox for Independent Assessment Bodies
9. Feedback from the Independent Assessment Body(s) workshops x3



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The tenderer (PACE-ERN) developed a virtual workspace as a central repository where that these products and deliverables can be reviewed.

Also due to well defined admission criteria the Call 2016 outcome was very successful. Approval of applicants: First wave of the 2016 Call

- 24 applications received 370 hospitals and almost 1000 highly specialised units involved
- 26 Countries (25 EU Member States + Norway) involved

On 15 December 2016 the European Reference Network Board of Member States approved the following 23 ERNs: ERN on Rare Bone Disorders, ERN on Rare craniofacial anomalies and ENT disorders, ERN on Rare Endocrine Conditions, ERN on Rare and Complex Epilepsies, European Rare Kidney Diseases Reference Network, ERN on Rare Neurological Diseases, ERN on Rare inherited and congenital anomalies, ERN on Rare Respiratory Diseases, ERN on Rare and Undiagnosed Skin Disorders, ERN on Rare Adult Cancers (solid tumors), ERN on Rare Haematological Diseases, ERN for Rare Neuromuscular Diseases, ERN on Rare Eye Diseases, ERN on Genetic Tumor Risk Syndromes, ERN on Uncommon And Rare Diseases of the HEART, ERN on Rare Congenital Malformations and Rare Intellectual Disability, ERN for Rare Hereditary Metabolic Disorders, ERN for Paediatric Cancer (haemato-oncology), ERN on Rare Hepatological Diseases, ERN and Musculoskeletal Diseases Network, Rare Immunodeficiency, Autoinflammatory and Autoimmune Diseases Network, ERN on Transplantation in Children, ERN on Rare Multisystemic Vascular Diseases.

Several institutions from Brno and Masaryk University have become ERN members.

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The Center has a member in a ongoing project:

Pilot Project on Promoting Self-management for Chronic Diseases in Europe (PRO-STEP)

Financing: Tender (no. SANTE/2015/D2/021)

Consortium Lead: European Patients' Forum

*Summary in English:* Commission Decision C(2013)4940 of 2 August 2013 specified the initial framework for the promotion of self-care systems in the European Union within the scope of self-limiting diseases (minor diseases). By Commission Decision C(2014)4127 of 25 June 2014 the Commission seeks to expand these activities by extending its scope from minor self-limiting diseases to chronic diseases (including chronic conditions and chronic disorders). The consortium brings together organizations with a broad range of expertise in fields and backgrounds relevant for self-care in chronic disease. The consortium is led by a patients' organization (EPF) and includes representatives of key stakeholders: health education (DCHE), research and implementation (FAD), and health policy (EFHH) as well as translation of knowledge (advisors to the steering committee).

2930.06.2016 Workshop PiSCE (project Sanco/2013/D2/27 – S12.682650) (Platform of Experts), Copenhagen.

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14.02.2017 MUDr. A. Bourek, PhD., Head of CeKZ

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