

Clinical Department of Geriatrics

International projects

ADVANTAGE. (Managing Frailty. A comprehensive approach to promote a disability-free advanced age in Europe: the ADVANTAGE initiative). 2016-2019 Prof. J. Macijauskienė

Participates: Clinical department of Geriatrics and Rehabilitation.

This is a Joint Action program for the prevention of the Frailty. Program is funded by the European Union's Third Health Program (2014-2020 year, Horizon 2020). The project involves 40 different organizations from 22 European Union member states. The ADVANTAGE project promotes the consensus of European Member States and creates a common concept for the prevention of old age Frailty syndrome by providing health and social care services, which will be base for Member States to apply common treatment principles for elderly people with a diagnosis of Frailty or those who are at the risk for this to develop a syndrome.

Read more about it: <http://www.advantageja.eu>

National projects

Smart Gerontechnology for Healthy Ageing (iGeronTech) 2016-2018 Prof. V. Lesauskaitė

Implemented with a partner Kaunas University of Technology. Funding by National Research Programme "Healthy Ageing".

The aim of the project is to carry out research to assess the ability of elderly people to live independently in their homes and to create the necessary information and communication tools and technologies that would improve the physical and emotional condition, the security and quality of life by reintegrating the elderly and their normal social environment. To achieve this goal, the following tasks are addressed: 1) analysis and research of medical and technological possibilities of social integration of elderly people; 2) the creation of a smart elaborate methodology for elderly environment; 3) the development and testing of elderly care products and prototype of smart environment.

Institutional projects

Sotis – Developing and Evaluating Liquefied Foods for Geriatric Patients with Swallowing Disorders 2017 Assoc. Prof. PhD G. Damulevičienė

Implemented with a partner Kaunas University of Technology. Funded by the joint LSMU-KTU Science Fund.

The aim of the project: to develop and to test in clinical practice liquefied foods for special medical purposes, which the nutritional composition and structure will be adapted for supplementary nutrition of geriatric patients with swallowing disorders. Project tasks: to determine the swallowing disorder - oropharyngeal dysphagia and evaluate the proper degree of intake fluid for geriatric patients; 2) to determine the proteolysis speed and degree using in vitro methods of the different origins and degree liquid foods which are enriched with nutritious protein by simulating the digestive conditions according to the Infogest protocol. And to determine the effect of thickening glucomannan on the product's viscosity and flow properties and on the rate and degree of proteolysis; 3) to create two different tastes of liquid foods with natural food flavors whose nutritional composition and viscosity would be in line with medical recommendations and to determine the efficacy and tolerability of these products for geriatric patient's health with oropharyngeal dysfunctional.

Department of Rehabilitation

National projects

1. Automatic algorithms for predicting risk of developing atrial fibrillation after acute myocardial infarction (No. MIP-15391) 2015-2017

Implemented with a partner Kaunas University of Technology. Funded by the Research Council of Lithuania.

Read more about it:

<https://spektras.lmt.lt/anotacija.php?oLU4eoliYQY1zuSsxA29CvA3iSTrbGhpG6OkwIFyUIQ>

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| <p>2. The Assessment of High-Power Laser Impact for Clinically Identified Chronic Plantar Fascia, Achilles Tendon Disorder</p> <p>Funded by the Research Council of Lithuania (RCL).</p> | <p>2015-
2019</p> | |
| <p>3. The Phenomenon of Visual Creativity and Health</p> <p>International Science Event – Conference. Funded by the Research Council of Lithuania (RCL). Event occurred at 23 – 24th of November 2017.</p> <p>Read more about it: http://www.lsmuni.lt/lt/struktura/medicinos-akademija/slaugos-fakultetas/studentai-studentams/tarptautine-mokslines-konferencija-vizualines-kurybos-fenomenas-ir-sveikata.html</p> | <p>2017</p> | <p>Assoc. Prof. PhD
A. Brazauskaitė</p> |
| <p>4. Qualitative practice is the basis for a career
(PRAKA, No. 09.03.1.-ESFA-K-731-01-0033).</p> <p>The principal is Lithuanian Association of Hospitals, partners – Lithuanian University of Health Sciences, The Union of Nursing Heads of Lithuania, Lithuanian Pharmaceutical Association, The Lithuanian Veterinary Association. Funded by the structural investment funds of the European Union. In collaborating with the LSMU Career Center, lecturers of the Rehabilitation Clinic contribute to the implementation of the project by updating the methodology of additional practitioners for students in the Physiotherapy and Occupational Therapy Programs.</p> <p>Read more about it: http://lsmuni.lt/media/dynamic/files/13738/projektoinformacija.pdf</p> | <p>2017-
2019</p> | |
- Institutional projects**
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| <p>The effect of the long-term physical training effects on the cardio-respiratory function, left ventricular (LV) remodeling, the alteration of the physical strain tolerance and quality of life for the patients after aortic valve surgery</p> <p>Implemented with a partners: Kulautuva's Hospital of Rehabilitation, LSMU MA Laboratory of Clinical Cardiology, Institute of Cardiology and Department of Cardiac, Thoracic and Vascular Surgery.</p> | <p>2015 -
2017</p> | |
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Department of Nursing and Care

International projects

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| <p>1. European Innovative Programme for VET of Nurses – "Moving and Handling"
(Nr. 2015 -1CZ01-KA202-014029)</p> <p>Funded by Erasmus+ program. Project partners: The Czech Nursing Association, the Polish Nursing Union, the Center for Nursing and Midwifery Postgraduate Studies in Rzeszow (Poland), University of Birmingham (United Kingdom), The Hospital of Lithuanian University of Health Sciences (LSMU) Kauno klinikos (Lithuania), Hospital of Tartu University (Estonia).</p> <p>The aim of the project: to adapt the training program – "Moving and Handling" for general care nurses in Lithuania and to train lecturers who will have possibility to train general care nurses. Nurses will apply the gained knowledge in practice and will have a lower risk of back injuries.</p> <p>The aim of the project: an innovative moving and handling program, which was developed at University of Birmingham (UK), to adapt for four European countries (Czech Republic, Latvia, Estonia and Lithuania)</p> <p>Read more about it: http://www.kaunoklinikos.lt/kk/images/projektu_img/235/proj2.pdf</p> | <p>2015-
2017</p> | |
| <p>2. COST network activity "Rationing-Missed Nursing care: An international and multidimensional problem (RANCARE)"</p> <p>The subject of rationing of nursing care is practical and scientific problem which is still under analysis. There are no unified basic concepts, research is limited by methodological challenges.</p> <p>Irrational rationing of nursing care and inappropriate distribution of nursing human resources poses a threat to patient safety and impair the quality of health services. The aim is to analyze the issues of nursing rationing by developing scientifically research, preparing political documents and training tools, discussing with the World Health Organization's Patient Safety Group.</p> <p>Read more about it: https://www.rancare-action.eu/</p> | <p>2016-
2020</p> | <p>Prof. O. Riklikiene</p> |
| <p>3. Improving Healthcare Outcomes in Chronic Disease - Enhancing the Curriculum at Masters Level / IHOD. Funded by European Union.</p> | <p>2017-
2020</p> | |

Read more about it:

<https://ec.europa.eu/programmes/erasmus-plus/projects/eplus-projects-compedium/>

4. TRACE: TRA-ining of Informal C-aregivers in E-lderly Care

Funded by European Union.

Read more about it:

<https://ec.europa.eu/programmes/erasmus-plus/projects/eplus-projects-compedium/>

5. 5. Interdisciplinary Approach to Enhance the Quality of Spiritual Care for Chronically Ill Patients and Elderly

2018

Prof. A. Blaževičienė

The project is funded by the office of Baltic States and German Higher Education Institutions, German Academic Exchange Service (DAAD) and Ministry of Foreign Affairs of the Federal Republic of Germany. Partners: Lithuanian University of Health Sciences (Lithuania), Tartu Health Care College (Estonia), Witten/Herdecke University (Germany), Technical University of Munich (Germany).

The aim of the project is to enhance the quality of interdisciplinary spiritual support for chronic diseases and elderly people, disseminating this topic in nursing education and clinical practice, exchanging different perspectives and cultural peculiarities.

Read more about it: <http://www.hochschulkontor.lv/lt/projektai/diesj-hrigen-projekte>

National projects

1. Integrating the Care of Elderly People with Mental Disabilities: Creating a Model for Cross-Sectoral Collaboration, i-PSINERA (No. P-MIP-17_121)

Funded by the Research Council of Lithuania.

Read more about it: http://www.lmt.lt/data/public/uploads/2017/10/vii-i-s_finans.pdf

2. Spirituality in nursing: the spiritual well-being and spiritual needs of oncological patients – the study of hybrid methods, SPIRITcare

2017-
2019

Prof. O. Riklikienė

(No. P-MIP-17-168).

It is the project of the Research Council of Lithuania competition for young scientists in the field of physical, biomedical, technological and agricultural sciences. The new definition of WHO's for health, covering physical, mental and social health, and not just the absence of diseases, has fundamentally changed the strict biomedical approach to healthcare with the biological concept and physical expression of human beings, with little regard for the dimensions of human nature. Nurses were one of the first who realized that the mechanistic biomedical model does not relieve the real human needs and the patient's nursing tasks. By improving spirituality in nursing practice it is important to analyze the spiritual well-being and spiritual needs of the patients and to analyze the related factors and their influence. The main idea of the project is to draw attention to the expression of spirituality in nursing that means, without the three mentioned components of health, nursing and care objects, to actualize the dimension of spiritual health, which is revealed through spiritual well-being and satisfaction of spiritual needs. The expectations of the project are to validate the benefits of a model of biopsychosocial-spiritual care and to promote the aspiration of such a comprehensive support and its practical implementation in hospitalized patients with oncological illness.

Read more about it: <http://www.lmt.lt/data/public/uploads/2017/07/priedas-2.pdf>

Institute of Sports

International projects

1. Complexity and metabolic risk project

Partners: Institut Nacional d'Educació Física de Catalunya (Spain).

Funded by Instituto de Salud Carlos III FIS (PI12/02220) and INEFC-AGAUR (INEFCCP-2015).

Summary: The most prevalent diseases of developed societies are strongly linked with unhealthy lifestyles, such as smoking, unhealthy eating, low physical activity and stress. The management of these diseases/conditions imposes a challenge to the society because they represent complex problems with numerous determinants and connections between them. The studies we are carrying on in this area aim to ideate and analyze from the perspective of the complexity the effects of two interventions for the promotion of a healthy lifestyle (physical activity, sedentary behavior and

2015-
2018

Phd. Assumpta
Ensenyat

nutrition) in individuals with metabolic risks factors/diseases. Interventions are implemented in the Primary Care setting. One intervention programs (Project A) focusses on the management of childhood obesity, while the other (project B) is addressed to sedentary adults with one or more metabolic risk factors.

Read more about it: http://www.complexsystemsinsport.com/?page_id=3325

2. Psychobiology of exercise project

Partners: Institut Nacional d'Educació Física de Catalunya (Spain).

Funded by AGAUR, Spain.

Summary: Endurance performance involves both psychological and physiological processes, but it is far from clear how they interact during different types of effort and how they determine the exhaustion point. Despite the amount of relevant research, reductionist approaches have failed to identify a specific site or process responsible for the fatigue-induced termination point in endurance exercises. As endurance depends on the interaction between vast number of system's components distributed at many levels, it is impossible to systematically deduce the macroscopic action behavior from biochemical microscopic processes. Thus, our aim is to study endurance at macroscopic action level through the variables that best capture the dynamic of interactions between micro and meso-components: the order parameters or collective variables.

Read more about it: http://www.complexsystemsinsport.com/?page_id=3327

National projects

Fabrication of 3D Microstructured and Collagen Scaffolds with Chondrogenic Cells and Translational Application for Cartilage Regeneration (REGEN)

(No. SEN-20/2015)

Funded by Research Council of Lithuania (RCL), National Research Programme "Healthy Ageing"

Summary: Osteoarthritis is a degenerative joint injury, especially of older people, which is caused of cartilage damage. There is still no effective cartilage structure restoring treatment, though recently attention is paid to biological cartilage regeneration, using autologous chondrocyte implantation. In order to increase the effectiveness of treatment, it is necessary to improve procedures for cell isolation, cultivation, and growing on the scaffold. The project aims to develop and characterize the most effective 3D scaffold with animal (rabbit) and human cells. Results will be applied in search for an optimal type of scaffold and production methods.

Project results: The development of 3D scaffolds for rabbit chondrocytes and human chondrogenic cells cultivation and growing and the evaluation in vitro of human stem cells possibilities to form a cartilage tissue using these scaffolds.

Project coordinator: Lithuanian University of Health Sciences.

Project partners: Kaunas University of Technology, Vilnius University.

2015-
2017

Prof. Natàlia Balagué

2015-
2018

Department of Children's Rehabilitation

International projects

Validation of the Pediatric Family Needs Questionnaire (FNQ-P) Across Five Countries

Multicenter continuation project of 5 states, funded by Bloorview Research Institute, Holland Bloorview Kids Rehabilitation Hospital. Project partners from: Canada, Sweden, Australia, England.

Read more about it:

<https://research.hollandbloorview.ca/outcomemeasures/fnqp/aboutthefnqp>

2015-
2017

Assoc. Prof. PhD
A. Prasauskienė