

BLENDED INTENSIVE PROGRAM

3 - 7th June 2024



VELEUČILIŠTE
Ivanić-Grad

MODERN INTEGRATIVE APPROACH IN PHYSIOTHERAPY

Erasmus+
Enriching lives, opening minds.



**Co-funded by
the European Union**

The BIP program is oriented towards students, but also teachers within the scientific field of biomedicine and healthcare, especially the branch of physiotherapy. The program will provide an insight into the modern integrative approach in physiotherapy by unifying and providing knowledge about the development of robotics and its application in physiotherapy; knowledge and skills related to teamwork and organization of work in a health institution; ethical aspects of the work of healthcare workers and presentation of special types of therapy in physiotherapy (Schroth; naftalan therapy and work with robots). The mentioned topics will be covered through lectures, workshops, and a visit to the Special Hospital for Medical Rehabilitation Naftalan and Glavić Polyclinic. Students will be able to exchange their experiences and practices from the countries they are coming from. The contents that will be presented relate to the understanding of the development of robotics and its key applications in the field of physiotherapy, taking care of the advantages and disadvantages of using robotics; then working with different types of robots used in physiotherapy, including their configuration, use and maintenance. The training will include an understanding of safety aspects related to working with robots and the application of appropriate protocols and procedures. The participants will become aware of the ways of working in a team, the motivation for the work of a healthcare worker, and the values that should be promoted and practiced in the work, as well as learn about contemporary ethical reflections on the use of robots and respect for ethical principles.



**PROGRAM GOALS
AND LEARNING
OUTCOMES**

At the end of the program, participants will be able to present how technological progress affects the improvement of therapeutic procedures and the provision of better care to patients; to present possible flaws in the application of the same, to recognize ethically problematic situations and to know the guidelines for solving them; to acquire knowledge about the management of robots used in physiotherapy; to gain insight into the organization and work of health institutions of the countries they come from, to be empowered for teamwork and to be familiar with special therapies in physiotherapy. He will also gain experience from the work of the Special Hospital for Medical Rehabilitation Naftalan with unique oil and experience from working in a private polyclinic that specializes in working with robots. They will enrich their cultural knowledge about Croatia, especially Moslavina, through walks in Ivanić-Grad; dinner with traditional cultural heritage elements and a visit and sightseeing of the capital, Zagreb. The priority goal of inclusion and diversity will be achieved by bringing users of the services of the local association "Mali Princ", which works with children with difficulties.

Program

Online Lecture: Development of Robotics and its Application in Physiotherapy

Participants will gain an understanding of the development of robotics and its key applications in the field of physiotherapy

Workshop: Motivation for study and work in health profession

Participants will discuss and exchange their experiences - why did they chose that study; did they have any expectations or disappointments; what are their goals in future work; how they see the profession after practical experience

Lecture: Application of Robotics in Physiotherapy

Participants will recognize the advantages of using robots in physiotherapy but also learn to be aware of potential drawbacks

Group Work on Computers: Searching for Robots Used in Physiotherapy,

Familiarization with them – Presenting Results to the Others

Lecture: Education for Working with Robots in Physiotherapy

Participants will be equipped to work with different types of robots used in physiotherapy, including their setup, usage, and maintenance.

Lecture: Bioethics in modern physiotherapy

Participants will learn about human values and principles of autonomy, benevolence, harmlessness and justice; about application of the Isaac Asimov's three laws of robotics

Group work on bioethical topics

*Participants will discuss ethically challenging situations – with a focus on cooperation with patients; informed consent; practicing the principles of autonomy and benevolence
Making paper and presentation about knowledge of bioethics*

Lecture: Cooperation in the team

The goal of the presentation is to present the purpose of working in a team with a focus on specifics in healthcare

Lecture: Organization of work in the institution

The lecture will present a flowchart in the field of healthcare organization within individual organizational units. Participants will understand the basic principles of work organization in healthcare institutions, including the structure, roles, and responsibilities within individual organizational units.

Work in a group on the topic of work organization

The participants will present and learn about the differences regarding the organization of work in healthcare institutions in the countries from which the participants come

Schroth Method – Clinical Exercises for Scoliosis

Participants will gain theoretical and practical knowledge of the Schroth method as a therapeutic approach for treating scoliosis.

Through practical exercises, participants will learn the basic principles of the Schroth method and develop skills in conducting therapeutic exercises for patients with scoliosis

Workshop: Working with Young Patients – Schroth Therapy

Through interactive activities and practical exercises, participants will learn to adapt therapeutic procedures to the needs and characteristics of young children and develop skills in guiding therapy in that context

Practice in Naftalan

Presentation of the institution, organization, description of naftalan therapy

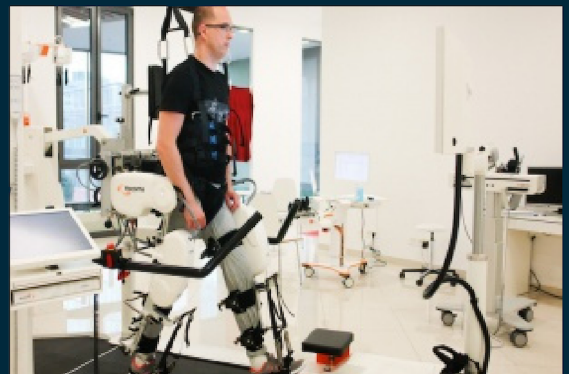
<https://naftalan.hr/en/medical-rehabilitation>



Practice in Polyclinic Glavić

Participants will be introduced to the work of special polyclinic Glavić where they mostly work with robotics in physiotherapy

<https://www.poliklinika-glavic.hr/polyclinic-zagreb>



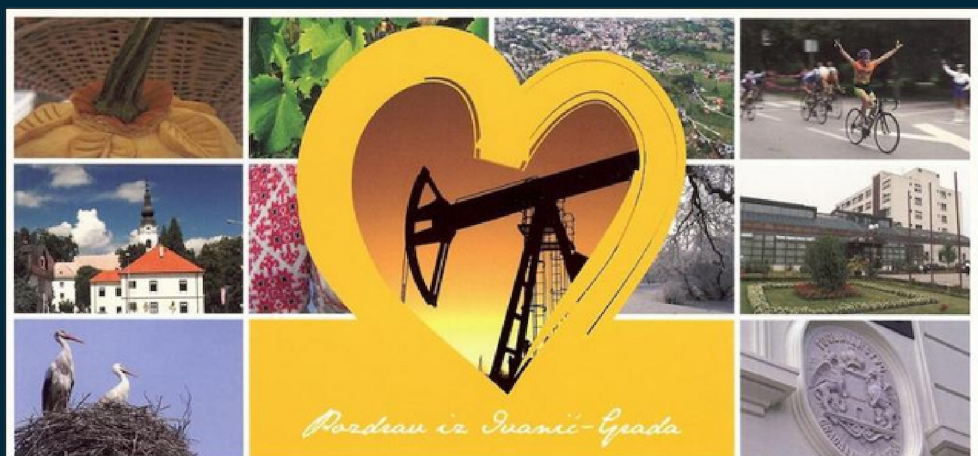
Cultural activities

Presentation of partner countries and heritage

Ivanić-Grad Sightseeing

Zagreb Sightseeing

Dinner



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**MODERN INTEGRATIVE APPROACH IN
PHYSIOTHERAPY**

On-line part
Physical mobility part
3 ECTS

Partners:

Faculty of Public Health, Medical University Sofia, Bulgaria

Wroclaw University of Health and Sport Sciences, Poland

*Uniwersytet Kaliski im. Prezydenta Stanisława Wojciechowskiego,
Poland*

Accommodation is not provided
but our recommendation is:
<https://www.hotel-sport.hr/>

Contact: Valentina Šipuš
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www.vsig.hr

