

Technology in Rehabilitation (TechReh)

561621-EPP-1-2015-1-IT-EPPKA2-CBHE-JP

REFRESHER COURSE IN TASHPMI AND
REHABILITATION CENTER IN THE FRAMEWORK OF
THE PROJECT TECHREH

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Education, Audiovisual and Culture Executive Agency

Erasmus+ : Higher Education - International Capacity Building



Update project with moduls on Basics of Physical and Rehabilitation Medicine



WHO Plan 2030 (Summarising health care challenges)

Recommendations on rehabilitation in health systems:

- 1. Rehabilitation services should be integrated in health systems**
- 2. Rehabilitation services should be integrated into and between primary, secondary and tertiary levels of health systems**
- 3. A multi-disciplinary rehabilitation workforce should be available**
- 4. Both community and hospital rehabilitation services should be available**
- 5. Hospitals should include specialized rehabilitation units for inpatients with complex needs**
- 6. Financial resources should be allocated to rehabilitation services to implement and sustain the recommendations on service delivery**
- 7. Where health insurance exists or is to become available, it should cover rehabilitation services**
- 8. Good practice statements on assistive products**



Seminar 4-10 October 2018

The goal of the Tech Reh project is to build the capacity of universities and medical centers in Uzbekistan in accordance with the needs of innovative rehabilitation methods.

- Within the framework of the project, the Uzbek side invited MD, Professor Alvydas Juocevicius, from the Faculty of Medicine of Vilnius University, and Past-president European Board of PRM (Lithuania).
- The seminar was held daily in two places, in the first half of the day in RSSPMCT&MR where participated 35 medical doctors and Master students, in the afternoon in TashPMI – 29 medical doctors and teachers.



PROGRAM OF A SEMINAR FOR TECHREH PPROJECT 4-10 OCTOBER 2018

- **TASHKENT, THE REPUBLIC OF THE UZBEKISTAN**



- **1 Day**

- **Afternoon:**

1. Welcoming from the host and explanations for the Seminar program.
2. The historic development of Physical and rehabilitation medicine in The Republic of the Uzbekistan.
3. The historic development of PRM in Europe and presentation of the European PRM Bodies. Curriculum of the PRM specialty in details. Content of undergraduate education in fields of PRM and disability



First day

- ***The program of the first day includes the following questions:***
- -historical development of physiotherapy and medical rehabilitation of children in the Republic of Uzbekistan.
- -historical development of medical rehabilitation in Europe and the presentation of European institutions for medical rehabilitation. The curriculum of medical rehabilitation specialty in detail. The content of higher education in the field of medical rehabilitation and disability.
- By the end of the first day of the seminar, the participants had already a huge number of questions and a genuine interest in innovations in the world of rehabilitation medicine.

First Day





PROGRAM OF A SEMINAR FOR TECHREH PPROJECT 4-10 OCTOBER 2018

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- **2 Day**

- **Morning:**
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- 1.The 25 years experience concerning the reforms of education in PRM
- 2. The need for education of the paramedical sciences (allied professionals) needed for the multi(inter)disciplinary team in Rehabilitation Services
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- **Afternoon:**
- 1. The new Rehabilitation Services model in Europe. Its structure and implementation. Phases of Rehabilitation intervention & three organization levels.
- 2. Assistive technologies integrated into Rehabilitation Services.

Second day

- ***The program of the second day covered the following aspects:***
- - 25 years of experience in educational reform in the field of physical and medical rehabilitation.
- - the necessity for the formation of paramedical sciences (related specialists) which are necessary for a multidisciplinary (interdisciplinary) disciplinary group in rehabilitation services.
- A very important and interesting event of the second day of the seminar was a familiarization visit to the medical rehabilitation department.

Second day





- **PROGRAM OF A SEMINAR FOR TECHREH PPROJECT
4-10 OCTOBER 2018**

- **3 Day**

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- **Morning:**

1. World Report on Disability (WRD): Implementation of the Rehabilitation Action plan of WHO 2030
2. Rehabilitation Services in EU: The Role of PRM team in Acute and Post-Acute phase. The Role of PRM team for patients with long term problems (for adults and children)

- **Afternoon:**

1. Social rehabilitation and community based rehabilitation.
2. Rehabilitation programs for patients with neurological disorders (Stroke, SCI and ect.)

Third day

- ***The program of the third day of the seminar included questions on:***
- New model of rehabilitation services in Europe. Stages of rehabilitation intervention and three levels of organization. A huge number of questions and interest aroused among the participants of the seminar, the topic assistive technologies integrated into rehabilitation services



PROGRAM OF A SEMINAR FOR TECHREH PPROJECT 4-10 OCTOBER 2018

- **4 Day**
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- **Morning:**
 1. The Rehabilitation programs for patients with musculoskeletal disorders (For adults and children).
 2. The new technologies for rehabilitation programs (For adults and children).
- **Afternoon:**
 1. Rehabilitation programs for patients with cerebral palsy.
 2. Rehabilitation programs for patients with cardiovascular disorders (For adults and children)
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Fourth day

- The fourth day of the seminar was started with the most important topics. A Disability Report (WRD) and : Rehabilitation Implementation. WHO Action Plan 2030 were presented.
- - Rehabilitation services in the EU: the role of the team in the acute and post-acute phases. The role of the team for patients with long-term problems in adult patients.
- Despite the complex and lengthy program, the workshop participants were very involved in the process, taking an active part in the workshop.



PROGRAM OF A SEMINAR FOR TECHREH PPROJECT 4-10 OCTOBER 2018

- **5 Day**
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- **Morning:**
 1. Technologies and effectiveness of rehabilitation programs for children
 2. Technologies and effectiveness of rehabilitation programs for adults.
- **Afternoon:**
- Round table: Briefing Educational system in The Republic of the Uzbekistan for PRM,
- Development PRM services in The Republic of the Uzbekistan.
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Fifth day

- ***The fifth day of the seminar was significant in that it covered the most important*** aspects of the Rehabilitation program for patients with neurological disorders, rehabilitation programs for patients with disorders of the musculoskeletal system.
- At the end of the fifth day, the participants of the seminar were introduced to new technologies for rehabilitation programs.

Sixth day

- ***The last sixth day we*** began the seminar with topics on rehabilitation programs for patients with cardiovascular diseases, for patients with disorders of the musculoskeletal system of children, for patients with cerebral palsy.
- Summing up the results of the whole seminar, a round table was organized: a briefing of the education system in the Republic of Uzbekistan on physical and medical rehabilitation, possible scenarios for the development of medical rehabilitation services in the Republic of Uzbekistan.
- At the end of the day, director of the Information Center of TashPMI Ashirbaev Sh.P. and Prof. Alvydas Juocevicius were solemnly awarded a diploma of international level, the participants of the seminar.
- Important to point on the hospitality of the Uzbek people, activity of participants and their interest, which was show to the program of the seminar.
- In turn, each participant of the seminar expressed his/her gratitude to prof. Alvydas, Juocevicius with wishes to see again in order to acquire new knowledge.

Diploma (TashPMI)



Diploma (at RSSPMCT&MR)





Conclusions

- There is very strong need of development of comprehensive rehabilitation model at the Republic of Uzbekistan, according recommendation of WHO;
- Additional training program on basics of PRM was important part for benefits of Master program teachers;
- TechReh project stimulated development of PRM training program and PRM services at the Republic of Uzbekistan.

Thank you for your attention!