

MEDITEC NEWSLETTER

NOV 2019



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Lab of Excellence at Hashemite University (HU)

The HU Faculty of Medicine presented what's new and innovative in medical education using 3D visualized anatomy application and devices. An info day and internal presentation to medical students was hosted in the Digital Anatomy Lab and in the newly established Center for Innovative Training in Medical Education, a project funded by Erasmus+.

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Prof. Ahmed Al Salaymeh



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For more information

Training for Medical Education via Innovative e-Technology

Project Number: 585980-EPP-1-2017-1-DE-CBHE-JP

International Trainings

Several international training sessions have been conducted over the last 18 months that all project partners have participated in including Slovakia, the Czech Republic and Malta.



November 2018

A training program was provided by Pavol Jozef Šafárik University in Košice, Slovakia. The training objectives included sharing theoretical and methodological experiences in modernization of medical education, multiple site visits and workshops focused on modernization of the training curriculum, teaching material and exam methods, SWOT analysis and identifying key stakeholders.

January 2019

Staff training in Czech Republic
A training program was attended provided by Masaryk University and St. Anne's hospital. Lectures and workshops discussed the following: current healthcare issues in Europe and approach to their management, quality management in health care institutions and health education and promotion.

June 2019

Staff training in Malta University
A training program was attended provided by Malta University, Msida, Malta. In addition to workshops and various health facility visits this training focused on IT and training in the simulation lab. Some of the key discussions included academic assessment for MCQs and OSCE, in addition to a seminar covering medical insurance.

International Trainings

During the last 3 months, students from some project partners attended several international training sessions in Slovakia, Czech Republic and Malta. Students were exposed to various new academic and clinical experiences and advanced medical educational environments



August 2019

Training for students at MU, Brno, Czech Republic

September 2019

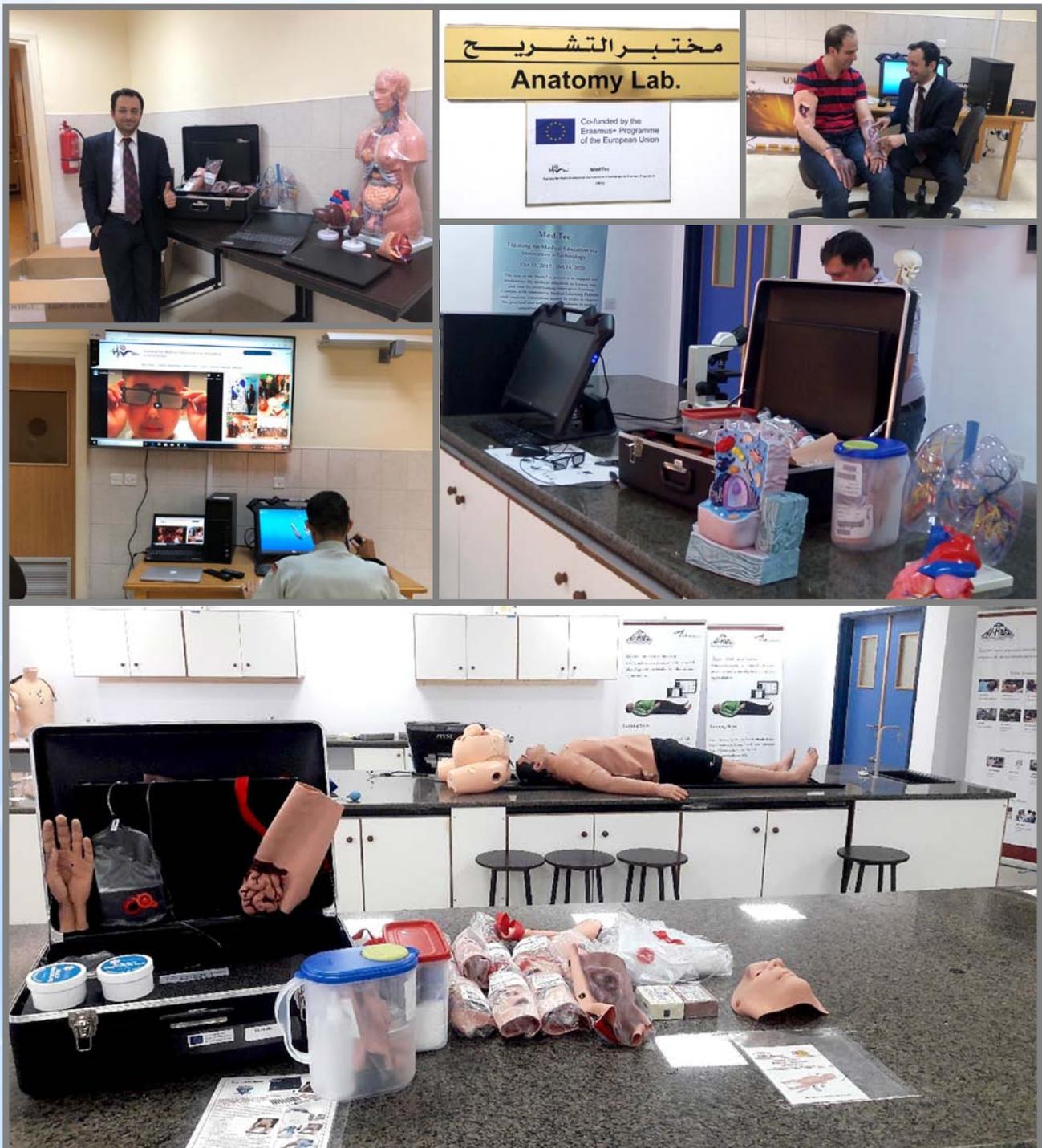
Training for students at UPJS, Kosice, Slovakia

September 2019

Training for students at University of Malta.

MediTec Lab of Excellence

On May 2019, the HU & YU Faculties of Medicine had installed the 3D Anatomy hardware, human anatomy models and other equipment. In addition, a software download with a session of training from the supplier on the use of the Z-space system for anatomy teaching material through the 3D virtual screen. A dedicated “MediTec Lab of Excellence” was assigned for this purpose.



Both HU and YU held staff training workshops which included groups of teachers and technicians who are involved in anatomy and skill laboratory teaching took place following the installation of hardware and software.



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On August 2018, YU had Introduced the new teaching approach during the first conference of the medical school.



On July 2019, an opening ceremony of the MediTec Lab of Excellence took place at Tehran University of Medical Sciences (TUMS) School of Medicine's Skill Lab. With the presence of TUMS Vice-chancellor for Global Strategies and International Affairs, Dr. Ramin Kordi, TUMS Director of International Relations, Dr. M.H. Nekoofar, dean of School of Medicine, Dr. Shahriar Nafissi, and some other guests from TUMS, MediTec Lab of Excellence was inaugurated in July 2019.

A presentation about MediTec, performed activities and future pathway of the project were given to the audience and photos of different stages of the project implementation were shown at this event.

In this ceremony, it was declared that students at TUMS are already working on designing endoscopic, laparoscopic, and acupuncture processes simultaneously with students from Sharif University of Technology.

At the End, MediTec leaflets were distributed among participants and group photos were taken as memorial of this event.

It is good to know that MediTec is one of the Erasmus+ projects which TUMS participates in.

MediTec project will support and modernize the medical education in Jordan, Iraq, and Iran by establishing innovative training centers with immersive medical learning platform and realistic simulation models in order to improve the practical and soft skills for students in medical education in Jordan, Iraq, and Iran.



Regional Activities, Workshops and Training

On April 2019, Jordan University (JU) and Jordan University for Science and Technology (JUST) hosted a scientific day where MediTec project was disseminated to all staff and students.



On August 2019, the HU Faculty of Medicine presented what's new and innovative in medical education using 3D visualized anatomy application and devices. An info day and internal presentation to medical students was hosted in the Digital Anatomy Lab and in the newly established Center for Innovative Training in Medical Education, a project funded by Erasmus+.

Students were introduced to the project and its goals. To make students experience by themselves the newly installed 3D Anatomy software and hardware and to be encouraged to utilize it at larger scale, in addition to incorporating them in the process of reshaping the pedagogical methods of delivering anatomical sciences.



In addition, YU Faculty of Medicine within July 2019 hosted a workshop in training their medical students on how to navigate through the Zspace machine (3D Anatomy).



YU sent 3 students to receive training in Malta and Slovakia, September 2019.



On 17th September 2019, an evaluation visit by Dr. Oleg Krikotov from Leipzig University, Germany to Hashemite University which was part of an evaluation visit to all Jordanian project partners, with aims to assess the achievement of the project and to assist better implementation of the centers.

During the meeting, many different ideas were suggested by HU staff and feedback was also provided to better educate medical students in topic of human anatomy, which may eventually help modernizing medical education within our circumstances.

Highlighted activities:

1. A tour was made to facilities at the faculty of medicine at HU including Clinical Skills Education and Testing Center.
2. Identifying the challenges faced during the pedagogic cycle of anatomy courses and the integration of different types of educational technologies in the anatomy curriculum.
3. Recommendations were suggested to Erasmus+, such as securing more equipment
4. Recommendations were also suggested by Dr. Krikotov, such as training more academic staff on how to utilize the Zspace device (3D anatomy tool).



On September 25th, 2019, more HU staff received training on Zspace (3D anatomy tool). The training was offered by the provider (Hawwaz Co.) and certificates were delivered to all trainees.

Performers: Professor Darwish Badran, Professor Ashraf Ramzi, Dr Reeth Al Saffar, Dr Aiman Al Sharei, Dr Mustafa Saad.



On October 14th 2019, HU staff met to discuss the integration of Zspace and other provided equipment/simulation mannequins in the pedagogic cycle of anatomy courses, with aims to engage students in the new facility (Center for Innovation) provided by Erasmus+ and discuss the practical means of delivering anatomical sciences to students.

Performers: Professor Darwish Badran, Professor Ashraf Ramzi, Dr Reeth Al Saffar, Dr Aiman Al Sharei, Dr Mustafa Saad, Dr Mohammad Fathy.

All anatomy staff met to discuss the practicality of implementing the Zspace device as an educational tool, and the challenges faced during the teaching process, and suggested solutions.



On October 15th 2019, HU Hosted a workshop that involved all local project stakeholders, where representatives from: Royal Medical Services (RMS), Jordanian Medical Council (JMC), Electronic Health Solutions Company (EHS) and Al-Hadi Medical and Information Technology Company. The general purpose was to familiarize stakeholders with the MediTec project goals and objectives.

Highlighted activities:

Stakeholders were actively engaged in what's new and innovative in medical education; allowing room for participants to have hands on training to experience the newly installed ZSpace 3D anatomy tool provided by Erasmus+ and some other technologically advanced educational tools already installed at HU faculty of medicine's laboratories, in order to foster the importance of merging technology in medical education and open their horizon for new innovative tools to come down the road. Additionally, many challenges were discussed regarding the implementation of technology in medical education and practice, which brought some attention to new means of management and ways to evade certain academic constraints especially when it comes to training students.



On October 16th 2019, the faculty of medicine at Hashemite University hosted a lecture about the application of technology in medicine presented by Prof. Mario Hlawitschka, from Leipzig University, Germany, in order to highlight the importance of implementing computer sciences and machines in medical sciences and examples were given for that purpose to broaden student's knowledge about the usage of technology in medical technologies and approaches, especially targeted for Hashemite university students since they had no training yet through MediTec project.

A demonstration of many modern technological tools and applications, followed by an open-discussion session with Hashemite University students and staff.



On October 16th 2019, The faculty of medicine at Hashemite University hosted the monitoring visit with the purpose to learn about the activities realized and products developed so far by all local partners, as well as to observe if the project has encountered any problems in operational and/or financial implementation that can be discussed and solved.

Highlighted activities:

PowerPoint presentations and some videos were projected from each local partner university about project milestones and achievements. Additionally, many aspects of the project were discussed broadly:

- Project implementation

- Impact and Sustainability

- Partnership and Cooperation

- Topics of relevance of the activities implemented/planned for achieving the project objectives

- Challenges faced and ways to overcome them

Detailed aspects:

- Welcoming and Introducing participants, Prof. A. Khasawneh , HU
- Short video prepared by INT@E - Status and progress of MediTec project, Prof. Mario Hlawitschka, HTWK/Prof. Fahmi Abu Al-Rub, JUST
- WP2: Status of Labs at JO HEIs: Prof. Fahmi Abu Al-Rub-JUST, Prof. A. Al-Salaymeh- UJ, Prof. Wisam, Dean of Medicine-YU, Prof. D. Badran, Dean of Medicine-HU
- WP3: Training Experience in Malta, and Czech, Staff Training. Dr. I. Massadm, Dr. Thekrellah, Dr. W. Shihadeh, Dr. M. Al Zoubi, Dr. Walid Salameh, Dr. D. Badran, Dr. A. Al Sharei, Dr. M. Odeh short video by HU
- WP3: Training Experience in Malta, Slovakia, and Czech: Students Training. UJ Students, PSUT Students, YU Students, JUST Students
- WP4: Quality Plan, Prof. Walid Salamah, PSUT
- WP5: Dissemination of Project, Prof. Ahmed Al Slaymeh, UJ
- WP5: Networking of MediTec Council, Dr. Aiman Alshrei, HU
- WP6: Management of Project, Prof. Mario Hlawitschka, HTWK/Prof. Fahmi Abu Al-Rub, JUST
- Feedback about MediTec project, Prof. Ahmad Abu-El-Haija and Dr. Reem Al Khadem, The National Erasmus+ Program Office in Jordan.

Performers:

Key persons participating in the project:

- Prof. Ahmad Abu-El-Haija, Director of the NEO/Jordan
- Dr. Reem Al Khader, Project Officer, NEO/Jordan
- Prof. Mario Hlawitschka, MediTec Coordinator, HTWK, Germany
- Prof. Fahmi Abu Al-Rub, MediTec Contact Person, Jordan University of Science & Technology
- Eng. Ruba Hasan, Project-Management Assistant, Jordan University of Science & Technology
- Dr. Mazhar Al Zoubi, Associate Dean of Faculty of Medicine, Yarmouk University
- Prof. Ahmad Al-Khasawneh, MediTec Contact Person, Hashemite University
- Prof. Darwish Badran, Dean of Faculty of Medicine, Hashemite University
- Dr. Aiman Al Sharei, Assistant Dean of Faculty of Medicine, Hashemite University
- Dr. Mohannad Odeh, Faculty of Pharmacy, Hashemite University
- Prof. Walid Salameh, MediTec Contact Person, Princess Summaya University for Technology
- Dr. Murad Jallad, Medical Advisor, Princess Summaya University for Technology
- Mr. Yazan Abu Yaghi, Financial Director of the Princess Summaya

University for Technology

- Prof. Ahmed Al-Salaymeh, MediTec Contact Person, The University of Jordan
- Dr. Fedaa Thekrellah, Assistant Dean of Faculty of Medicine, The University of Jordan
- Eng. Rasha Albaik, Faculty of Engineering, The University of Jordan

