

MediTec training experience prepared by UOD medical students (AUG/2021)

We're Ahmed Nazar Mustafa, Farhan Malham, Halder Jamal were chosen to take part in the MedTec training which was held in Jordan.

The training took place in two cities, the first part was in Aqaba.

We were given various presentations about the impact of the new technology in medicine and the improvement the overall health of the population. The main technologies that were emphasized on were the Virtual reality and augmented reality, which are now being used widely in the developed countries and they have taken medical education and medical practicing to a new level. They are used now in practicing major surgeries with minimal human contact with the patient which decreases the possibility of infection and the possibility of medical errors. And the implementation in medical education includes various apps and equipment that can teach the human anatomy and in many other fields.

The other main subject that was talked about was the implementation of health informatics in health care services. Which can be used to integrate all the health records of patients in a digital chip which can be used then to view the complete medical history of the patient which has many benefits including cost reduction, improved outcomes, and better coordination.

Another subject that was talked about was the use of medical manikin in teaching medicine which are used now in many colleges world-wide and special training centers are opened which provides the opportunity for the students to practice what they learn which makes them to develop muscle memory and lets them make errors before interacting with real patients.

Another subject was about nursing care and simulation in which we were introduced to the implementation of new technologies in injection, catheterization and blood collection. Like the usage of vein viewers in detecting veins for blood collection and other medical procedures.

And another subject was nutrition and health which emphasized on the effect of the diet on the overall health of the patient.

And another lecture was given to us about research in medicine. And the rising need of research among medical students from an early time of their medical education.

We also had a field visit to the Islamic hospital of Aqaba. In this visit we were introduced to many modern medical equipment. The hospital was designed according to the latest architecture and had a very well-trained staff.

At the end of the week we were able to see the fascinating nature of Aqaba and we spent unforgettable nights on Aqaba beach.



The second part of training was held in Amman, it started by a welcome speech from Prof. Ahmed Al-Salamyeh who was the project coordinator at UJ.

And then we were given a presentation about a new project in Jordan which is called remote lab. This new project was organized by Dr. Fadi al Shahroury from PSUT. And it consisted of a real lab that can be controlled remotely by students online. Remote lab has a great economic benefit and it ensures equal opportunity for all students to take part in their practical sessions which is a very big advantage specifically at the time of COVID-19.

Another topic was about dealing with emergency cases. It specifically focused on heat stroke and the rule of new technology (AED) in cardiopulmonary resuscitation.

And again, various presentations were given to us about Virtual and augmented reality and other eLearning tools in medicine.

On the second day in Amman, the training started by a presentation from Dr. Mazhar Al-Zoubi from YU. he talked about Labster Module. Labster's virtual lab simulations allow the students to work through real-life case stories, interact with lab equipment, perform experiments and learn. it is also an example on distant learning and it has the same benefits that were mentioned for other distant learning methods.

Another presentation was given to us by Dr. Ramandeep Garg from MU, it was about metabolomics in health and nutrition research.

On the third day of training in Amman, we had a field visit to Jordan university hospital. We visited most of the dependents including the emergency department, obstetrics and gynecology department, and many more. The hospital was another example of implementation of modern technology in medicine. One of the most important technologies that was shown to us was the gamma knife machine, Gamma Knife is an alternative to traditional brain surgery and whole brain radiation therapy for the treatment of complex, difficult brain conditions.

The last two days of MediTec were devoted to dissemination conference, it started again by a welcome speech by the project coordinators. In the conference, special attention was given to the experience of UJ with Erasmus plus and we were amazed by the great number of bright projects that are being implemented now in Jordan under the support of the European Commission. The first day of conference ended by various speeches were given from all the partners of the project about implementation of MediTec training in various universities. And among those speeches was the great presentation of Prof. Dr. Rund Albazzaz who is the director of the international relations office at UOD. She talked about all what have been done from the first day of meditec until the closing conference. She is a great example of the successful and hard working person that devotes most of her energy in educational development at UOD.

the last day of training was mainly devoted for discussion between The students and teachers about the achieved results and Deliverables, and also more presentations about technology in medical education and a modern type of therapy which is the Art therapy, which is a type of psychotherapy that can help modify our response to emotional and physical problems related to pain, it can be used as an effective complement and reduce perceptions of pain experiences.

The conference was closed by distributing certificates to the staff and students and a group photo.

MediTec training was a great experience to all of us from many aspects and we hope that we can be a part of implementing the new technologies in our country for the benefit of our people and the humanity as a whole. It was also a great opportunity for us to see the beautiful culture and historical places of Jordan including The Petra and The Amman citadel. We also enjoyed the beautiful extraordinary opportunity of swimming in the dead sea. We hope that there will be many more projects that can improve the Educational level of our students at UOD and Further open their minds.









