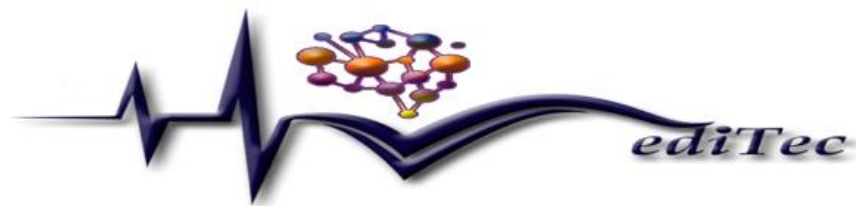




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## MediTec project



ERASMUS+ PROGRAMME

**Training for Medical education  
via innovative eTechnology /MediTec**

- **Medi-Tec training for medical education** was organized by *Faculty of Medicine, Center for Healthcare Quality in the Masaryk University, Brno/Czech Republic* , under the financial support of the European Union *Erasmus plus* program.
  
- The training was hold in the duration of **8-19/July/2019** , many students from schools of medicine, Dentistry, pharmacy and computer science from IRAQ ,IRAN and JORDAN participated in this training course :
  - 8 Iraqi students
    - [ 2 Students from college of pharmacy /University of Duhok (( *Rand Khalid Wadie and Mohammed Gh mala mohamed* )) , 4 Students from Basrah medical school and 2 Students from Baghdad medical school ].
  - 4 Iranian students
    - from schools of Medicine, Dentistry , medical science.
  - 6 Jordanian students
    - from school of Computer Science.

*Arrival of participants :7-8 July 2019*

*Start : Monday -July8-2019*

*End : Friday-July 19-2019*

*Duration of training : 8-19July-2019*

*Return of participants: 20-July-2019*

## Training schedule related information:

- The training designed to include both theoretical and laboratory tasks and many visits (visiting anatomy's department and museum and St. Anne's University Hospital).
- The classes start From 9:00 to 12:00
- lunch break 12:00-13:00 then classes from 13:00 to 16:00

- At the first day of the training course the participants met at the biophysics department of Medical faculty/MUNI, the coordinators [ [Mgr. Erik Staffa, Ph.D.][Mgr.Vladan Bernard,Ph.D ] [MUDr. Aleš Bourek] ] introduced themselves and welcomed the students and supplied each students with file of documents and internet access , then they took the students in a simply tour in the biophysics department and to the campus square they were very friendly and helpful for the participants.
- The students were divided into 2 groups to participate in the many classes regarding many different medical study related topics ( *Healthcare management , Biophysics , Clinical image processing and analysis , Thermography Training , Anatomy training and modeling , Emergency care simulation ...*) .
- During the training , usually classes of theoretical explanations and discussion was initially given, so students

were able to review and discuss with lecturers about the topics were introduced followed by practical sessions, which helped us to refresh our information and improving it.

- Classes of *health care management* explained by. [MUDr. Aleš Bourek] regarding many healthcare issues in Europe and approach to their management also included discussions that made the students able to share and understand how to respect their patients rights and to be more careful about the quality of care they are providing, also how to make use of available resources and health informatics .
- As well, classes of *biophysics* under supervision of [Mgr. Erik Staffa, Ph.D.][Mgr. Vladan Bernard, Ph.D ] [MUDr. Aleš Bourek] was delivered in the biophysics department of MUNI , included many laboratorial tasks (such as measurement of blood pressure by the auscultation method also Measuring the voltage and frequency of electric signals with the oscilloscope, audiometry and Measuring surface tension and many other tasks ) were performed in pairs or group which allowed us to share knowledge and perform many physical tests and learn together .

Medi tec training included also classes of *Clinical image processing and analysis, X-rays and CTscan ultrasound and MRI*, so we as students become more familiar how such techniques operating, In the thermography classes we used infrared camera (non-contact device) to detects infrared energy (heat) which is transmitted from our bodies and sense how such heat is processed to produce a thermal image on a video monitor and perform temperature comparisons.

However in biophysics department we had the chance to see and operate many virtual simulation models ( we practiced on simulation models of natural birth and neonate care , endoscopy ,gynecological examinations. ...)  
such experiences made us as students more interested about practicing medicine and ambitious to learn ...

- Furthermore we visited the *anatomy department* of MUNI and met [MUDr. Marek Joukal, Ph.D ] who took us in a tour through the Anatomy department and museum of Anatomy ,dissection Centre and we had the opportunity to see many different exhibits and models and to dissect cadavers ( real human bodies).
  - In addition Under supervision of [MUDr. Lukáš Dadák, Ph.D.] *Emergency care simulations and training* helped us to practice and become able to perform first and advanced care practices on simulation models ....
  - At the end of MediTec training ,the Students and staffs discussed and shared their ideas about the benefits of the training course also certificates were received.
- MediTec training provided us as participants the opportunity to practice and operate many medical techniques which are unavailable in our home institutions, also allowed us to have a new great experience in our life that improved our knowledge and made us as students more ambitious to learn and more interesting in medical technologies .

- In addition to that it allowed us during (Saturday- Sunday) our visit to Brno to have the opportunity to visit many different famous ancient places of brno such as Cathedral of St. Peter and Paul , Špilberk Castle , Ossuary underneath the Church of St. James and many other fascinating places which inform the visitors about the great history of Czechia , also during the weekend we visited Prague ( Capital of Czech Republic) and Vienna(Capital of Austria ) real great cities of Europe ...
- Such visits made us exploring new places and able to appreciate other's countries culture and improving our language skills ,however we became more able to overcome challenges, and gained a greater understanding of the world , as well it enhanced our sense of self-confidence and independence.
- MediTec training was a great opportunity for all of it participants to have a unique experience in their life....



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