

# **Innovative Technologies in Higher Medical Education and Medicine: Report on the International Scientific-practical Conference, 20-21 October 2022, Nukus, Uzbekistan**

*Oral Ataniyazova*

*Dmitry Ivanov*

*Saeed Yari*

Karakalpakstan Medical Institute, Nukus, Uzbekistan.

Enviroment-Air Pollution, Department of Enviroment, Tehran University, Tehran, Iran.

---

## **Introduction**

The Karakalpakstan Medical Institute in Nukus, Uzbekistan as host, in close collaboration and partnership with the Saint-Petersburg state medical pediatric university, St-Petersburg, Russia and the Shahid Beheshti University of Medical Sciences, Iran, Tehran and partner universities from other countries, as well with local authorities, ministries and universities in October 2022 organized a Scientific-practical Conference «Innovative Technologies in Medicine”.

The main goal of the Conference is to create platform for communication between scientists, medical doctors, young researches from different countries, share knowledge and experience, improve partnership, develop joint scientific projects and other activities, implement new innovative technologies in higher medical education and practical Medicine.

The Conference was organized in hybrid form (offline and online), more than 30 presentations and 97 articles where dedicated to the Conference in different language, one of target group was a young researches – students, master and residency program students, fellows of PhD programs. The presentations were in English, Russian, Uzbek and Karakalpak languages.

The Conference opened by welcome speech of Mr. Batir Matmurotov - Deputy of Chair of the Committee on the Aral Sea problem, Senate, Parliament of Uzbekistan, Prof. Gulnara Yusupaliva - Chief of the Higher Education department of the Ministry of Health of Uzbekistan and Prof. Dmitry Ivanov - Rector of Saint-Petersburg state medical pediatric university. The Conference was organized in 4 sessions by main topics.

There were presentations and discussions on following main topics:

- Telemedicine in practical healthcare
- Minimally invasive technologies in surgery
- Innovative technologies in Medicine & Education
- Topical issues of regional pathologies

Higher medical education and practical Medicine is the fields, which rapidly addressing the development of new technologies. It is especially become clear during COVID-19 pandemic, when all countries moved to online education. Influence of the Innovative technologies much improving the quality of healthcare system (diagnostic and treatment), medical science, affecting to teaching methodologies. Current teaching process at higher medical education system require new innovative technologies including e-learning, podcasts and videos with flipped classrooms, mobile devices with apps, video games, simulations (part-time trainers, integrated simulators, virtual reality), and wearable devices (google glass), etc.

Scientific research is the one of main part of activities of the University teachers and also it is main criteria of development stage of the Universities. So why it is very important for teaching staff of Universities to be involved to research activity, involve young scientists and students.

During the Conference scientists from different countries - Uzbekistan, Kazakhstan, Russia, Turkey, Iran and other countries actively participated with the presentations and articles in offline and online regime. The main Conference materials will be published in local Journal «Biologiya va tibbiyot muammalari».

The conference was closed by approving Resolution of the conference on developing joint activities on expanding of using Innovative Technologies in teaching and medical activities, developing joint scientific programs, extending academic mobility between Universities.

## References