

Vugar Aliyev  
(Editor)

*Abstracts of The First Eurasian Conference*

# *The Coronavirus Pandemic and Critical ICT Infrastructure*

PANDEMIC -ICT-2020 (28<sup>th</sup> – 30<sup>th</sup> November 2020)

*organized by*

AMIR Technical Services, Tbilisi, GEORGIA

*Published by*

AIJR Publisher, Dhaurahra, Balrampur, India 271604



## Table of Contents

Disclaimer	i
About PANDEMIC -ICT-2020	vii
Organizing Committee	viii
Scientific Committee	x
Ayat Assemov, Gulzada Seitova, Alnura Babayeva, Medet Kurmanov Development of AI technologies at the global level for the diagnosis of COVID-19	1
Aliona Tihon Evolution and development of telemedicine	3
Vladimir Belopasov, Zhuzuna Tsotsonava, Marina Samotrueva The role of neuro imaging methods for determining the forms of structural pathology and tactics for treating cerebrovascular accidents in adults and children with coronavirus infection COVID-19	6
Spînu Constantin, Cibotari Svetlana, Spînu Igor, Sajin Octavian, Volneanski Ana, Donos Ala Primary results on plasma testing from blood donors to the presence of anti-SARS-CoV-2 for the treatment of COVID-19 patients	8
Liliia Todoriko, Ihor Semianiv, Inga Yeremenchuk, Olena Pidverbetska, Victor Slyvka The problem of tuberculosis during the COVID-19 pandemic	10
Amir Aliyev, Aliyar Sarvarov Skype consultation of COVID-19 patients in special treatment unit	12
Botur Shodiyev Modern ways of preconceptional support for art cycles in women with tubal infertility during COVID-19 pandemic	13
Gulzada Seitova, Ayat Assemov, Altynay Sadykova, Alnura Babayeva Cardiac Rehabilitation during COVID-19	15
Kassymzhan Tashmetov, Zhazira Nysanbekova, Alexandr Grigoriev Digital medical communication strategies in the fight against coronavirus	17
Elshad Aliyev COVID-19 pandemic and new technologies for reassessment of the cultural heritage	19
Kassymzhan Tashmetov, Zhazira Nysanbekova, Kulbaram Temirova Staff health protection is an important indicator of the organization of anti-epidemic measures	20
Assemov Ayat, Bolatbek Ayaulym, Sayat Turgynbay Virtual Learning in Medicine during the COVID-19 Pandemic	22

Elshad Aliyev Arts during the pandemic period	24
Aliona Tihon. Digital technology for the advanced COVID-19	27
E. Kirasirova, N. Lafutkina, R. Mamedov, R. Rezakov, M. Usova, E. Kulabukhov. Performance of tracheostomy in patients with COVID-19 infection analysis of international data	30
Zhanyl Kaliyeva Application of <i>MOODLE</i> distant learning portal during COVID-19 quarantine	31
M. Romanova, Lyudmila Sushkova Laboratory methods for determining new COVID-19 infection	34
Nargiz Guseynova, Shirin Mamedova Influence of parasitosis on the immune system of the body and on intestinal dysbiosis	36
Bokhodir Askarov, Shukhrat Gulamov, Bekhzod Batirov Study of synergy modeling of COVID-19 processes based on ordering in biopolymers	37
Liliia Todoriko, Ihor Semianiv. Prospects for control and strategy of risks of tuberculosis in a COVID-19 pandemic	39
Galina Zhumagalieva, Svetlana Kim, Svetlana Davidovich, Erlan Sultangereev Kawasaki-like syndrome associated with COVID-19 in children	41
Elvira Zulfikarova, Evgeny Duplyakin, Sapar Rakhmensheev, Ekaterina Rotmanova, Angelica Penkova Increased levels of anxiety and depression as a factor of reduced efficiency of medical workers during the COVID-19 pandemic	44
Zhanyl Kaliyeva, Zhanat Abdikadyr, Asemgul Kaipova, Aigul Altayeva, Galiya Ospanova, Asel Mukhamedzhanova Distant educational environment in teaching the discipline of ICT	47
Nasrillo Khakimov, Ruzikhon Khakimova, Shukhrat Gulamov The importance of pulmonary ultrasonography for the diagnosis of COVID-pneumonia in the conditions of a rural polyclinic	50
Imdat Efendiev, Ersin Zhunusov, Anargul Mansurova, Anna Sutormina, Galina Prokopenko, Dumanbek Daulbekov, Elvira Isabaeva Clinical and epidemiological characteristics of COVID-19 in children	52
Natalia Mozgaleva, P. Vedyapin, Y. Parkhomenko Pathological-anatomic diagnostics of coronaviral infection caused by the COVID-19 virus. Results of the application of molecular-genetic and morphological methods	53
Evgeny Duplyakin, Elvira Zulfikarova, Ekaterina Rotmanova, Mayra Urazaeva, Angelica Penkova COVID-associated depressive disorders in diabetes mellitus	55

Anastasia Koptelova, N. Bogacheva Pathogenetic points of application of the effects of certain drugs for the treatment of coronavirus infection	58
Imdat Efendiev, Ersin Zhunusov, Anargul Mansurova, Ilyas Mukhamedzhan State of specific immunity in COVID-19 patients treated in ambulatory conditions	60
Olga Kutumova, E. Pukhova Determining the efficiency of information impact on the population on dissemination of information about coronavirus infection	62
Vadim Chursin, Ardak Arynov Application of methylene blue in the treatment of COVID-19	64
Hayat Aliyeva, Kyubra Zohrabova, Yagut Hajiyeva, Nigar Agayeva, Savinj Aliyeva Assessment of antibiotic sensitivity <i>K.pneumoniae</i> in COVID-19 patients	66
Kyzgaldak Kuanyshbekova, N. Amangeldi The influence of hormonal and phyto-estrogens on the quality of life during the menopause	67
Bayan Kurmanaeva, Toydyk Utarova, Aliya Kanatbaeva, Fariza Kasymbekova, Aynur Almaganbetova Innovative training methods in the simulation center	69
Sergey Fedotov, Leonid Pisarenko, Sergey Gumenyuk, Vladimir Potapov Quick release infectious medical COVID-19 treatment centers	70
Leonid Pisarenko, Sergey Gumenyuk, Sergey Fedotov Minimum refitting requirements reserve building to COVID-19 treatment center	73
Sergey Gumenyuk, Sergey Fedotov, Leonid Pisarenko, Sofia Zeynieva The main stages of anti-epidemic medical service measures in the conditions of the megapolis	76
Sergey Fedotov, Leonid Pisarenko, Sergey Gumenyuk Planning and training of government and healthcare delivery prevention and distribution of COVID-19 in the megapolis	78
Leonid Pisarenko, Sergey Gumenyuk, Sergey Fedotov, Elena Zotova Prediction of COVID-19 dynamic indicators using mathematical modeling	81
Nazira Khodzhaeva, Jamila Karimova, Makhbuba Ravshanova Kentron in restoration of motor functions after ischemic stroke	84
Nazira Khodjaeva, Khushnud Bobokulov, Tokhir Musaev Effectiveness of alcheb in treatment of post-stroke aphasia	85