3rd International Conference on



Virology, Infectious Diseases and COVID-19

October 24-25, 2022/ Holiday Inn Express Dubai - Safa Park, an IHG Hotel



Yerbol Burashev

Yerbol Burashev^{a,b}, Bekbolat Usserbayev^a, Aibarys Melisbek^a, Meiirzhan Shirinbekov^a, Saken Khaidarov^b.

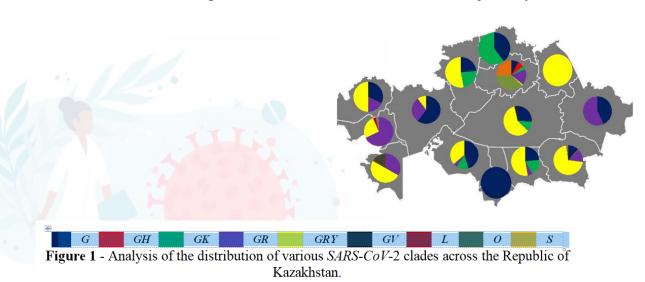
- ^a Research Institute for Biological Safety Problems (RIBSP), Gvardeyskiy, Kazakhstan.
- $^b \ Faculty \ of \ Biology \ and \ Biotechnology, \ Al-Farabi \ Kazakh \ National \ University, \ Almaty, \ Kazakh stan.$

Covid-19 in Kazakhstan. Incidence statistics and new variations of the Sars-Cov-2 virus.

Cov-2 virus has been established. Currently, there are many different variants of SARS-Cov-2 that can be grouped into larger groups, including lineages, but the three main nomenclatures in use for SARS-Cov-2 are the GISAID (https://gisaid.org/), Nextstrain (https://nextstrain.org/) and Pango lines (https://cov-lineages.org/).

According to the GISAID nomenclature system for sharing all influenza data, most SARS-CoV-2 sequenced genomes have currently been grouped into one of twelve major clades as: L, S, O, V, G, GH, GR, GV, GK, GRY, GKA and GRY. On March 13, 2020, the first cases of the previously unknown coronavirus SARS-CoV-2, which causes SARS, were officially recorded in Kazakhstan. On September 23, 2021, according to WHO data, a total of 944,733 cases were registered in Kazakhstan, with 15,503 deaths. Clyde GRY is the most common in our country, where its share is 43.5%. Other clades including GR, G, O, S and GK accounted for 18.6%, 17.6%, 8.06%, 8.06%, 4.7% and 5%, respectively. Lower prevalence was noted among the GH, GV, and L clades and identified 1.5%, 0.25, and 0.5% of the total genomes represented, respectively.

Among the males, the most common clades are GH and O, their proportion was 83.3% and 75%, respectively. Clydes GRY and S are often identified among females, which were 55.5% and 52.6%, respectively.



8