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ADMINISTRATION
DEPARTMENT OF SCIENCE AND EDUCATION OF KHARKIV REGIONAL
STATE ADMINISTRATION
DEPARTMENT OF HEALTHCARE OF KHARKIV CITY COUNCIL
KHARKIV NATIONAL MEDICAL UNIVERSITY

GENDER. ECOLOGY. HEALTH

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У збірнику представлено результати наукових досліджень фахівців та молодих науковців з навчальних закладів Харкова, 12 міст України, вчених із Швеції, Італії, Чехії, Сербії, Індії, Туреччини, Білорусії, Польщі, Хорватії, Німеччини, Вірменії. Доповіді присвячено гендерним аспектам медицини та екології, а також дослідженню перспектив гендерної медицини у контексті пандемії covid-19. Для науковців, викладачів, аспірантів та всіх зацікавлених.

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The collection presents the results of scientific research of specialists and young scientists from educational institutions of Kharkiv, 12 cities of Ukraine, scientists from Sweden, Italy, Czech Republic, Serbia, India, Turkey, Belarus, Poland, Croatia, Germany, and Armenia. The reports focus on gender aspects of medicine and ecology, as well as research on the prospects of gender medicine in the context of the covid-19 pandemic. For scientists, teachers, graduate students, and anyone interested.

seminal work on suicide). He posited that economic changes may result in negative psychological effects that would possibly lead to suicides. The processes and consequences of male gender role socialization include its impact on men's health, assertive behavior, interpersonal relationships which are mostly connected with male domination and aggression.

*Chumachenko T.O., Makhota L.
Kharkiv National Medical University*

FEATURES OF COVID-19 VACCINATION IN UKRAINE

The world is currently in the epicenter of the COVID-19 pandemic. By April 15th 2021 almost 140 million people have been infected with COVID-19 and over 3 million people have died. The tense epidemic situation has developed in Ukraine as well, where almost 2 million people fell ill and about 40,000 died on the same date. To improve the epidemic situation, it is necessary to create herd immunity. This is the only way to stop the circulation of the pathogen, and to prevent the emergence of new strains, which are characterized by increased virulence and contagiousness.

A safe way to build herd immunity is vaccination, which has proven to be the most efficient and cost-effective way to fight aerosol infections. Therefore, as soon as mankind learned about a new pathogen - the SARS-CoV-2 virus, scientists began to develop vaccines against this pathogen. The principle of the vaccination operation is that they train the human immune system to recognize and fight pathogens against which they are created. Today, a number of vaccines have been created around the world, developed using various technologies.

The following vaccines are used in Ukraine: 1. *AstraZeneca (Covishield Vaccine)* - is a vector vaccine, two doses of the vaccine at intervals of 12 weeks are required to build intense immunity. This vaccine can be stored for up to six months at a temperature of +2 to +8 C. 2. *CoronaVac/Sinovac Biotech Vaccine* - is an inactivated vaccine, two doses of vaccine with an interval of 14-28 days are required to create a strong immunity. It can be stored for up to three years at a temperature of +2 to +8 C. 3. *Pfizer-BioNTech Vaccine* - is an mRNA vaccine, two doses of the vaccine with an interval of 21 days are needed to create a strong immunity. Requires a storage temperature of at least -70 C. After defrosting can be stored for 5 days at a temperature of +2 to +8 C. 4. Novavax, a subunit protein vaccine is also expected to be available. To create a strong immunity, it requires two doses of the vaccine with an interval of up to 21 days. It can be stored for up to six months at a temperature of +2 to +8 C. Novavax vaccine is still in the final stage of phase III clinical trials.

All vaccines in phase III clinical trials have passed the safety testing phase.

The vaccination campaign in Ukraine has clear and distinct stages. For the development, the population of Ukraine is divided into priority vaccination groups. These groups include those most vulnerable to COVID-19 and the people whom the country's livelihood depends. These are mostly those who interact with

the number of people, workers who are critical to maintaining the health care system, and those who are at risk of serious complications. There are nine such groups.

There are five stages of vaccination, during which it is planned to immunize almost the entire adult population of Ukraine. Depending on the availability of the vaccine, the steps may occur in parallel. Vaccination is carried out in two ways: vaccination by mobile immunization teams and vaccination on the basis of existing vaccination points. It is planned to create about 570 mobile teams. The team will include: a doctor, two nurses, a driver.

COVID-19 vaccination started in Ukraine on February 24, 2021. A total of 449,197 vaccinations have been given since the beginning of the campaign (on April 17, 2021). 449,194 people were vaccinated: 449,192 people received 1 dose, 2 people completed vaccination (received 2 doses), with 2 of them having received a dose abroad; vaccinated with Covishield vaccine - 445,697 people, CoronaVac vaccine - 3,497 people. Since the beginning of vaccination, 6.12% more women than men have been vaccinated, the most vaccinated are people aged 20-39, the least - 18-20 years, and the most vaccinated are health care workers who do not provide care to patients with COVID-19 (14.9% of all vaccinations).

The United States, China, India, Great Britain, Brazil, Turkey, and Germany lead the world in the number of vaccinations. As of April 16, 2021, Ukraine ranked 9th.

Now the challenge is to make COVID-19 vaccines available to people in Ukraine and achieve herd immunity as soon as possible.

Until the transmission dynamics of the SARS-CoV-2 virus changes due to herd immunity, people must continue to wear protective masks, maintain physical distance, and avoid crowds, and adhere to hand hygiene. This is necessary to avoid the risk of infection and end a pandemic.

*Galazzo Eugenia, PhD
Interdisciplinary Research Foundation*

WOMEN'S REPRODUCTIVE RIGHTS PROTECTION IN PANDEMIC TIMES: POLISH CASE

The prerequisites of the case have appeared in 2016 when Polish government accepted the act *Ordo Iuris* - the prohibition of abortion - for discussion. The activists were very polite, following the rules of organized strikes, they even did The Marsh of Silence, showing that prohibited abortion is equal to the violation of women's rights. The symbols of the 2016 women's strike were black umbrella and wire hanger, and the mottos "We do not fold umbrellas!" and "'We are enough'" were connected with the earlier history of women's movements. "Black Monday" October 3, 2016 showed the readiness to defend women's rights. 140,000 Polish women and men around the whole country, and even abroad. The anti-abortion act was not introduced then.

ЗМІСТ

Вступне слово ректора ХНМУ *В.А. Капустника*
та голови Вченої ради ХНМУ *В.М. Лісового*

Вітальне слово директора Департаменту науки і освіти Харківської
обласної державної адміністрації *А.С. Крутової*

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