



Study of Pharmacists' Awareness Regarding Coronavirus Disease (COVID-19) in Ukraine

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OBJECTIVES: Data showed that during the COVID-19 pandemic the pharmacy is the first place for patient care. The purpose was to study the awareness of pharmacists about the COVID-19 for 2021-2022 in Ukraine to provide complete and quality care.

METHODS: Survey was developed to determine the level of knowledge of pharmacists regarding the main symptoms, methods of diagnosis, treatment and prevention of uncomplicated forms of the COVID-19 by using Google form. The heads of pharmacies, pharmacists in eight regions of Ukraine were involved. The research period was December 2021 - December 2022.

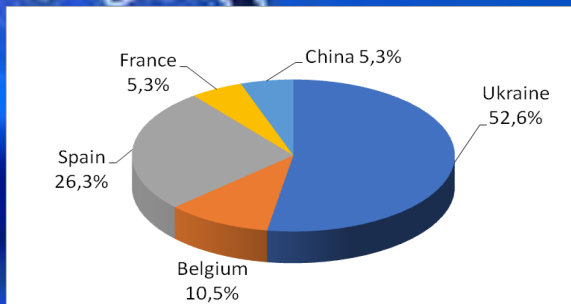


Figure. Ratio of low molecular weight heparins due to producer countries, are registered in the market of Ukraine during wartime

CONCLUSIONS:

We found that pharmacists are 100% well-informed with the symptoms and causes of the Covid-19. However, it is necessary to improve the provision of information about the requirements for the treatment of uncomplicated forms of Covid-19 and the dispensing of antibiotics from pharmacies.

REFERENCE:

1. **Maksymovych, N. Zaliska, O. Huz, V, Brezden, O. Solovei, Zabolotnya, Z. Analysis of e-prescription system and awareness of pharmacists on reimbursement program in Ukraine. Value in Health. 2020. Vol. 23, (1). S243.**
2. **<https://zakon.rada.gov.ua/laws/show/725-2021-%D0%BF#Text>**

•RESULTS:

■ **We received, 725 completed questionnaires from 8 regions of Ukraine, of which 69.7% were pharmacy managers, 12.0% were pharmacists, and 18.3% were intern- pharmacists. Of the surveyed pharmacists, 95% called the method of airborne transmission, but 4.7% believe that the coronavirus is transmitted by the contact-household method, and 0.3% - transmissible.**

■ **We found that 100% of respondents correctly named the main indicators of the condition of a patient with the COVID-19.**

■ **However, only 95.4% of pharmacists correctly defined the concept of saturation, which requires improvement of information support.**

■ **For the symptomatic treatment of uncomplicated forms, 91.7% of respondents correctly determined that Paracetamol, Ibuprofen are for the symptomatic treatment of uncomplicated forms, but 8.3% of pharmacists named other drugs.**

■ **Assessing the need to take antibiotics, 88.5% of pharmacists gave the correct answer, but 5.5% believe that the reason for prescribing antibiotics is an increase in body temperature, and 5.4% named a decrease in saturation, 0.6% - dry a cough, that does not meet the requirements of the national guidelines Covid-19.**

Tabl. Wholesale prices for low molecular weight heparins depending on the trade name, dosage and manufacturer in Ukraine

INN	Trade Name	Country	Price,UAH
Enoxaparin sodium	Enoxaparine Farmex	Ukraine	773,37
	NOVOPARINE®	China	1223,13
	FLENOX®	Ukraine	361,70
	CLEKSAN® 300	Spain	573,85
Nadroparin calcium	FRAXIPARIN®	France	1443,00
	NADROPARIN-FARMEX	Ukraine	1443,00