



West Kazakhstan Marat Ospanov Medical University  
**RESIDENCE TRAINING IN CLINICAL  
PHARMACOLOGY**  
**7R01142**



# Professors and teachers of the Department of Pharmacology, Clinical Pharmacology



**SMAGULOVA GAZIZA**

Head of the department: associate  
professor, candidate of medical sciences



Doctor of Medical Sciences, Professor - 1  
Candidate of Medical Sciences, Associate Professor  
- 2  
Doctor PhD - 1  
Master of Medicine - 1  
Assistants – 3  
Teachers - 6

# Resident Mentors



**Medical Director,  
Ph.D. Yesenzhulova A.B.  
Adult hospital AMC,  
Aktobe**



**Clinical doctor  
pharmacologist,  
pediatrician of the highest category,  
PhD Isanguzhina Zh.Kh.  
Children's hospital AMC, Aktobe**



**Clinical doctor  
pharmacologist,  
Darmenova A.O.,  
Regional Children's  
Hospital,  
Atyrau**



# Learning Outcome 2 years

...is able to

**LO 1** advise doctors on the use of medicines from the standpoint of evidence-based medicine

**LO 2** conduct clinical and pharmacological examination of drug therapy of patients

**LO 3** perform work on monitoring, registration and analysis of adverse drug reactions

**LO 4** advise doctors on the rational choice of anti-infective drugs

**LO 5** formulate a dosage form in the department / unit of the institution

**LO 6** оказывать advise patients on the effective and safe use of medicines

**LO 7** have teamwork and leadership skills, train others

**LO 8** analyze information from scientific databases (Pubmed, Web of Science, Scopus, Elibrary)



**Theoretical and practical work  
based on  
MOB, AMC, children's AMC**

# Publications and presentations at scientific conferences and congresses



There was a lesion of the respiratory system (respiratory distress syndrome, pulmonary atelectasis, congenital pneumonia), as well as damage to the CNS, gastrointestinal tract, CVS.

The presence of infectious inflammation in 3 or more systems prevailed in newborns with very low body weight and extreme low body weight. With the defeat of 3 or more systems in newborns, a combination of pneumonia, hepatitis, damage to the central nervous system and gastrointestinal tract prevailed in 75% of children.

**CONCLUSIONS:** In newborns with SBW at birth, mixed-infection (CMV+HSV) was mainly diagnosed. The structure of the clinical manifestations of intrauterine herpes infections is characterized by the involvement of 3 or more body systems with a predominant lesion of the lungs, CNS, gastrointestinal tract organs, hepatobiliary system, depending on the birth weight.

**Abstract number 32**

**Frequency of occurrence and influence of polymorphic variants of VKORC1 and CYP2C9 genes associated with warfarin metabolism in the Kazakh population**

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**BACKGROUND:** Warfarin is an effective drug in the prevention of thrombotic complications, which has been established in numerous studies. The inexpensive cost of the drug makes patients on warfarin therapy more adherent to treatment. For some patients, titration of the warfarin dose can take a long time and be accompanied by the development of unwanted side effects. Such differences in the dosage of warfarin are explained by a combination of a number of factors, among which genetic characteristics play a special role, in particular, various variants of the VKORC1 and CYP2C9 genes. Therefore, the study of the factors that determine the individual sensitivity to warfarin remains extremely relevant.

**PURPOSE:** 1) To study the frequency of detection of polymorphism of the VKORC1 and CYP2C9 genes in patients of Kazakh nationality. 2) Select an individual

dose of warfarin to achieve the target INR values using Warfarin dosing online checker.

**METHODS:** The study included 65 patients of Kazakh nationality of both sexes with various cardiovascular diseases, for whom the dose of warfarin was selected taking into account the INR.

**RESULTS:** The study revealed that the average age of the patients was 60.4 ± 11.7. Most of the patients 55% received treatment for cardiac arrhythmias such as

«С.Ж. АСФЕНДИЯРОВ АТЫНДАҒЫ ҚАЗАҚ ҰЛТТЫҚ МЕДИЦИНА УНИВЕРСИТЕТІ» КЕАҚ



НАО «КАЗАХСКИЙ НАЦИОНАЛЬНЫЙ МЕДИЦИНСКИЙ УНИВЕРСИТЕТ ИМЕНИ С.Д. АСФЕНДИЯРОВА»

## ДИПЛОМ I место

Конкурс молодых ученых

Научно-практическая конференция с международным участием

«КОМОРБИДНЫЙ ПАЦИЕНТ: МУЛЬТИДИСЦИПЛИНАРНЫЙ ВЗГЛЯД НА ПРОБЛЕМУ»

НАГРАЖДАЕТСЯ

*Аблакимова Нургул Еркінқазы*

Нургожин Талгат Сейтжанович

Ректор НАО «Казакский национальный медицинский университет им. С.Д.Асфендиярова», доктор медицинских наук, профессор



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Сертификат  
Марат Оспанов атындағы Батыс Қазақстан медицина университетінің Студенттік Ғылыми Қоғамының 65 жылдығына арналған "ҒЫЛЫМ: КЕШЕ, БҮГІН, ЕРТЕҢ" жас ғалымдардың LXII халықаралық ғылыми конференциясында "Клиникалық медицинадағы жас ғалымдар: Терапия" секциясында ұсынылған баяндамасы үшін

Тажиева А.А.  
берледі

КАЛИЕВ А.А.  
Ректор

Ақтобе 2023

de tragedy. Medical  
hurt an entire  
on



is one of the drugs whose side  
cost people too much to  
in the 50-60s of the twentieth  
medicine was used as a  
was often prescribed to  
men. According to various  
m 1956 to 1962 alone, about  
children were born with  
families, without limbs. Their  
making the drug.





**OUR RESIDENCE GRADUATES**  
Clinical pharmacologists in the general medical center,  
medical center,  
head of the hospital department  
pharmacy, visit foreign universities with the aim of  
internships, active doctoral doctorants

