

**West Kazakhstan Marat Ospanov Medical Unversity** 

# 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

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

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

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

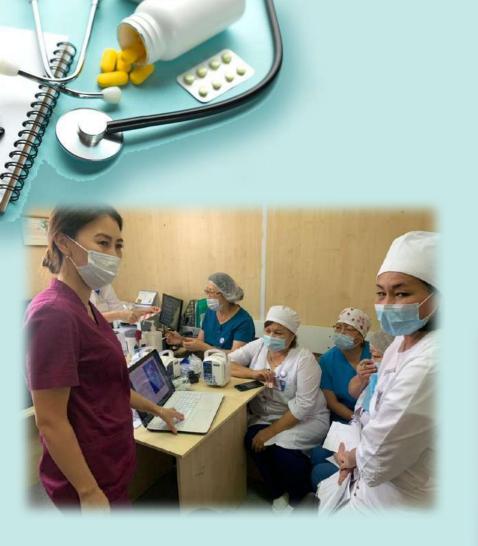
LO 6 оказывать advise patients on the effective and safe use of medicines

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

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

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

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

24

Annals of Anatomy, 237S1 (2021) 151747 @ Elsevier GmbH • http://www.elsevier.com/locate/aanat

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 deleat 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 predomirant 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: Warfaria 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  $60.4 \pm 11.7$ . 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

Аблакинова Нургун Еркінцаза

#### Нургожин Талгат Сейтжанович

Ректор НАО «Казахский национальный медицинский университет им. С.Д.Асфендикрова», доктор медиц наук. профессор

#### Тажиева Айгуль Есентаевна

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26 мая 2022 года

г. Алматы, Казахст

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### de tragedy. Medical hurt an entire n

s one of the drugs whose side cost people too much to n the 50-60s of the twentieth nedicine was used as a was often prescribed to men. According to various m 1956 to 1962 alone, about children were born with eformities, without limbs. Their taking 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



