



MINISTRY OF HEALTH OF UKRAINE  
NATIONAL UNIVERSITY OF PHARMACY

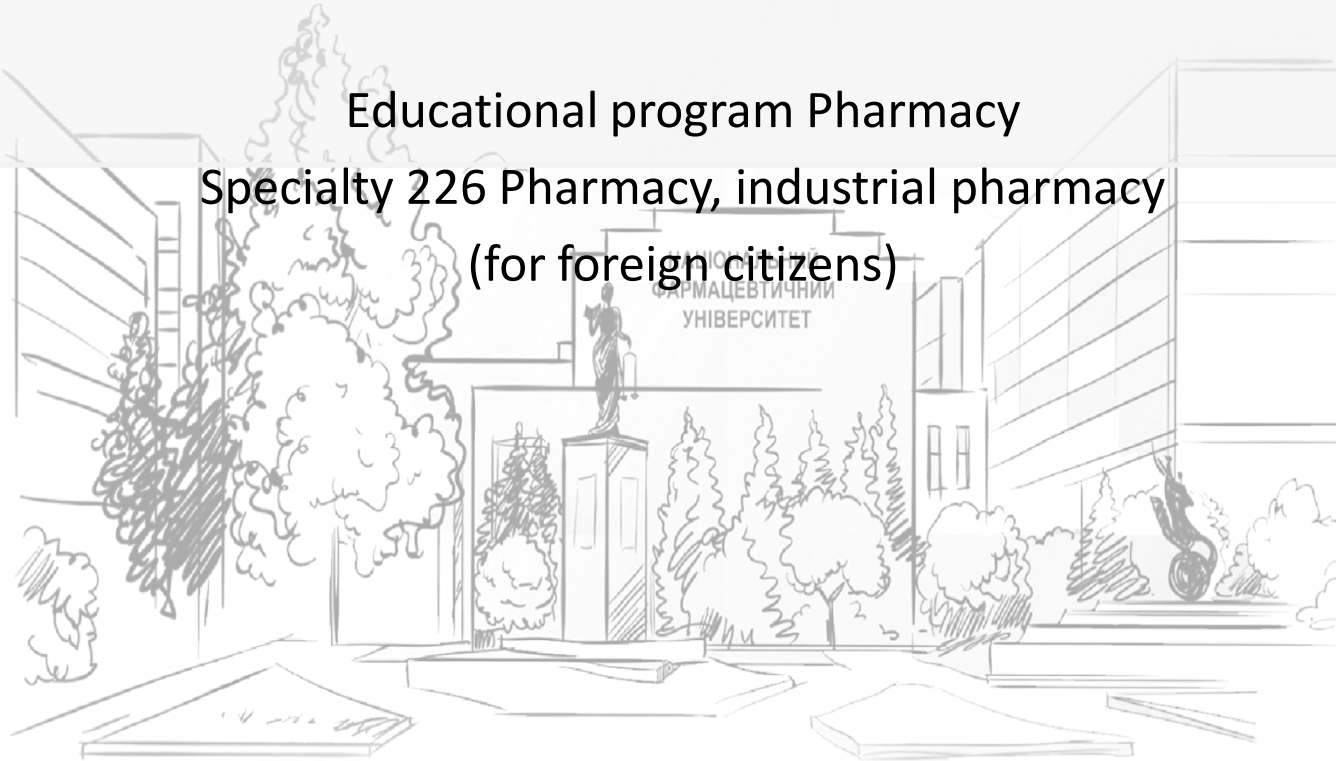
Department of microbiology, virology and immunology

# TROPICAL INFECTIONS

Educational program Pharmacy

Specialty 226 Pharmacy, industrial pharmacy

(for foreign citizens)





# Tropical infections

a group of diverse diseases, the majority of which are infectious diseases that are prevalent in or occur only in tropical and subtropical regions.

## Examples of tropical infectious diseases:

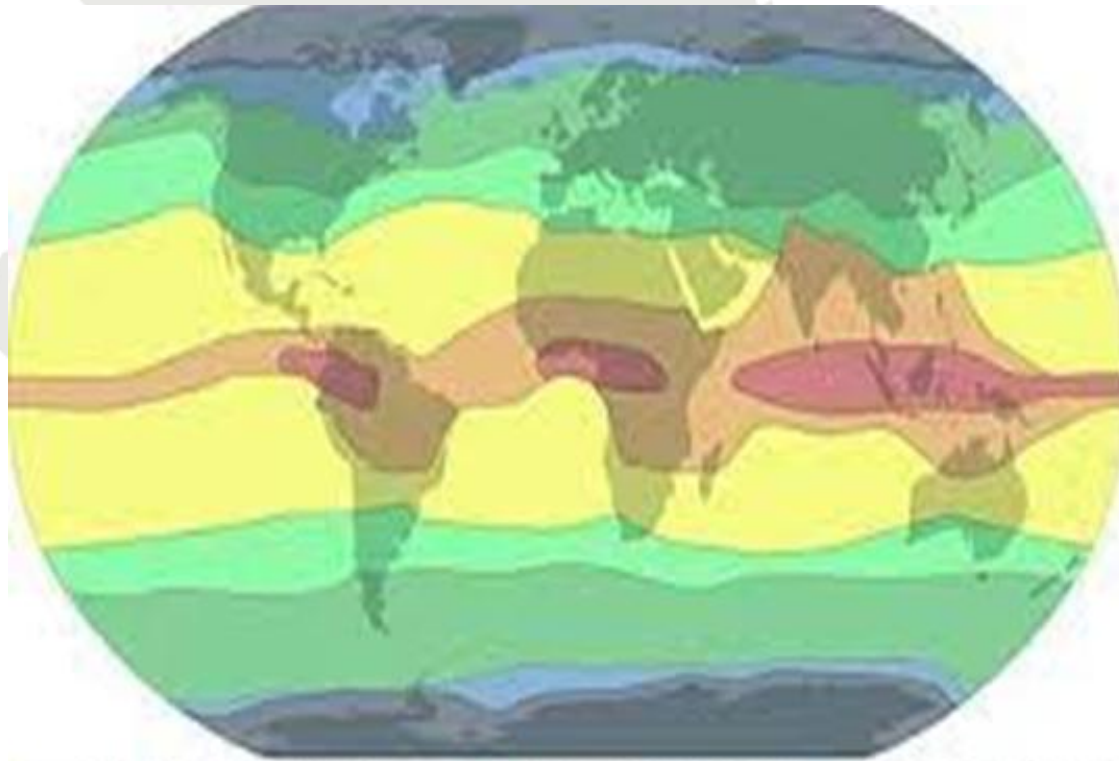
- Malaria
- Yellow fever
- Ebola hemorrhagic fever
- A disease caused by the Marburg virus
- Zika fever
- Lassa fever
- Rift Valley fever
- West Nile fever

WHO singles out a group of "forgotten tropical diseases".

It is a group of diverse tropical infections that are particularly prevalent in low-income populations in developing regions such as Africa, Asia, and Central and South America.

They are caused by various pathogenic microorganisms: viruses, bacteria, protozoa and helminths.

# The current state of the spread of tropical infections



The dynamics of the infectious and invasive situation is influenced by the growth of scientific and technical progress, anthropogenic transformation of nature, demographic changes, population migration.



MALARIA SPREAD IN THE WORLD

# The purpose of studying the discipline

1

training of specialist pharmacists who possess a significant amount of theoretical and practical knowledge regarding:

2

- morphology, physiology of pathogens of tropical infectious human diseases,

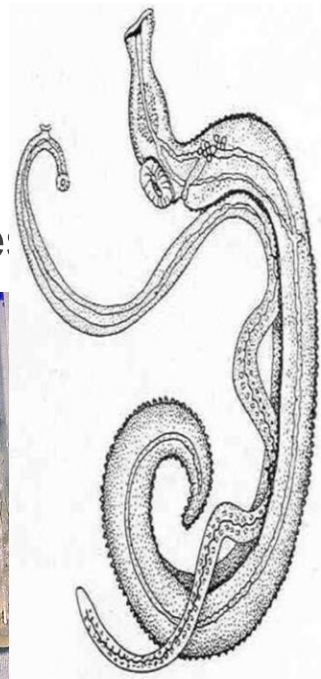
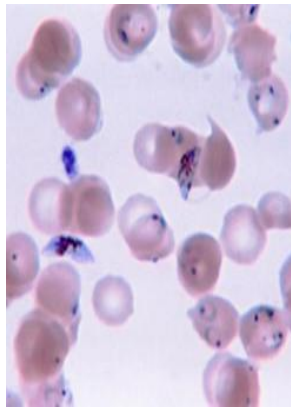
3

- epidemiology of tropical diseases (sources and methods of transmission),

- pathogenesis of diseases,

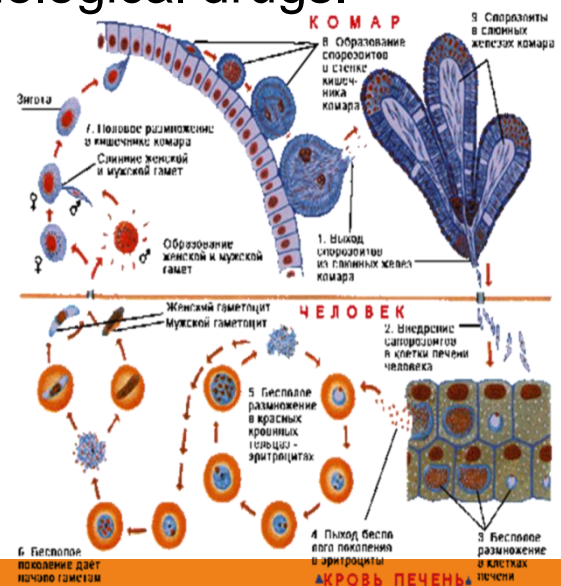
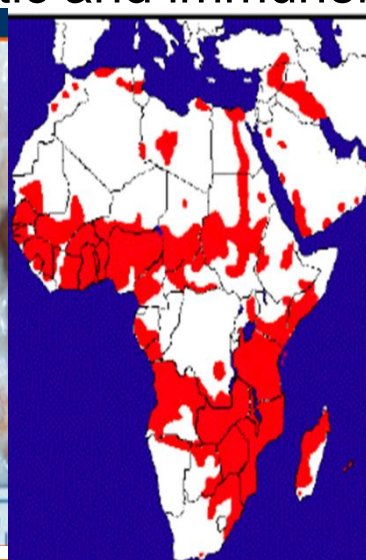
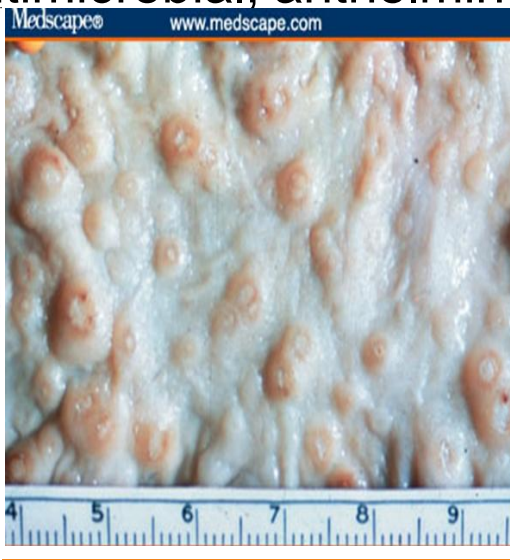
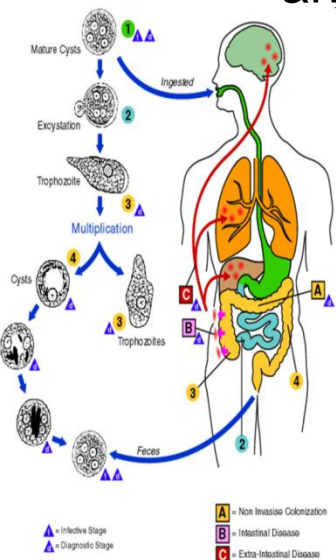
- methods of their laboratory diagnostics,

- treatment and prevention of tropical disease.



# Tasks of the discipline

- Study of the role of etiological factors in the spread of infectious diseases in tropical climates.
- Determination of the peculiarities of the epidemic process.
- Identifying patterns of disease spread taking into account climatic conditions.
- Development of recommendations for optimization of treatment and prevention of diseases of this group.
- Determination of providing the population with effective antimicrobial, anthelmintic and immunobiological drugs.

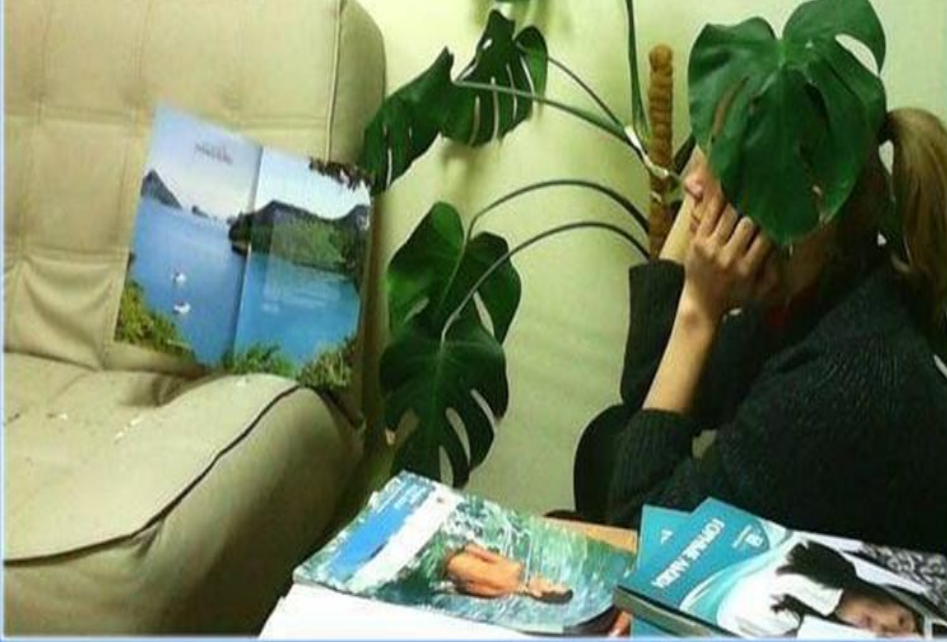


# While studying the discipline, you will learn about:

- ▶ etiological factors of tropical protozoan and helminthic invasions;
- ▶ differences in the development cycle of protozoa;
- ▶ peculiarities of pathogenesis, clinical course, treatment and prevention of tropical protozoan and helminthic invasions;
- ▶ etiological factors of tropical blood viral and rickettsial infections;
- ▶ peculiarities of pathogenesis, clinical course, treatment and prevention of tropical infections of viral and rickettsial etiology;
- ▶ etiology of tropical bacterial and fungal infections;
- ▶ peculiarities of pathogenesis, clinical course, treatment and prevention of tropical infections of bacterial and fungal etiology.

# While studying the discipline, you will learn:

- ✓ How to correctly collect an epidemic anamnesis and conduct an epidemiological examination in the center of the disease.
- ✓ Compile an algorithm for laboratory diagnostics of tropical infections of various genesis.
- ✓ To assess the effectiveness of preventive measures for tropical infections.



Hi. How are you?  
What are you  
up to?

Sitting under a  
palm tree.  
Watching the  
ocean!

**Dear students of higher  
education!**

If you choose a  
discipline "**Tropical  
infections**", you will fill  
yourself with new  
knowledge, skills, abilities  
to become a professional.



And your rest will always  
be safe and diverse!





# THANK YOU FOR YOUR ATTENTION!



National University of Pharmacy  
53, Pushkinska str, Kharkiv, 61002,  
Ukraine

E-mail:  
mail@nuph.edu.ua  
<http://nuph.edu.ua>