SMART PHARMACOLOGY

LESSON 11

Task 1

Give the classification of antibacterial drugs of different groups. To do this, refer the following drugs to the appropriate group and fill in the table.

Classification	Drugs
Aminoglycosides	
The I generation	
The II generation	
The III generation	
Glycopeptides	
Lincosamides	
Fusidines	
Chloramphenicol's	
Rifampicin's	
Phosphomycines	
Polymyxines	
Oxazolidinones	

Amikacin
Chloramphenicol
Fusidic acid
Gentamycin
Kanamycin
Levomecol
Levosin
Lincomycin hydrochloride
Linezolid
Neomycin
Netylmycin
Phosphomycin
Polymyxin B sulfate
Rifampicin
Streptomycin
Teicoplanin
Tobramycin
Vancomycin

Task 2

Discuss the pharmacological characteristics of aminoglycosides. To do this, fill in the table all the necessary information.

Pharmacological characteristics of aminoglycosides

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	
Risk factors for the development of side effects	
Prevention measures of aminoglycosides side effects	

Task 3

Discuss the pharmacological characteristics of glycopeptides. To do this, fill in the table all the necessary information.

Pharmacological characteristics of glycopeptides

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 4

Discuss the pharmacological characteristics of lincosamides. To do this, fill in the table all the necessary information.

Pharmacological characteristics of lincosamides

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 5

Discuss the pharmacological characteristics of fusidines. To do this, fill in the table all the necessary information.

Pharmacological characteristics of fusidines

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 6

Discuss the pharmacological characteristics of chloramphenicol's. To do this, fill in the table all the necessary information.

Pharmacological characteristics of chloramphenicol's

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 7

Discuss the pharmacological characteristics of rifampicin's. To do this, fill in the table all the necessary information.

Pharmacological characteristics of rifampicin's

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 8

Discuss the pharmacological characteristics of phosphomycines. To do this, fill in the table all the necessary information.

Pharmacological characteristics of phosphomycines

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 9

Discuss the pharmacological characteristics of polymyxines. To do this, fill in the table all the necessary information.

Pharmacological characteristics of polymyxines

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 10

Discuss the pharmacological characteristics of oxazolidinones. To do this, fill in the table all the necessary information.

Pharmacological characteristics of oxazolidinones

Mechanism of action	
Pharmacological effect/type of antibacterial action	
Spectrum of action	
Indications	
Side effects	

Task 11

Compare the pharmacological features of antibacterial drugs of different groups. To do this, fill in the table all the necessary information.

Pharmacological group	Spectrum of action	Toxicity	Peculiarities
Aminoglycosides			
Glycopeptides			
Lincosamides			
Fusidines			
Chloramphenicol's			
Rifampicin's			
Phosphomycines			
Polymyxines			
Oxazolidinones			