



МІНІСТЕРСТВО ОХОРОНИ ЗДОРОВ'Я УКРАЇНИ  
НАЦІОНАЛЬНИЙ ФАРМАЦЕВТИЧНИЙ УНІВЕРСИТЕТ

DEPARTMENT OF BIOLOGICAL CHEMISTRY AND VETERINARY MEDICINE

# MODERN METHODS OF BIOLOGICAL SYSTEMS RESEARCH



**2023-2024 academic year**

# SCOPE OF THE EDUCATIONAL COMPONENT

**The scope of the educational component:  
90 hours, 3 credits ECTS**

**Study educational components  
includes two meaningful modules:**

- **Biological systems as object research and general characteristic modern methods their research**
- **Characteristic the newest methods research biosystems body a person**



# TASK educational component



To learn care about own health and get acquainted with modern methods diagnostics diseases: X-ray, tomographic, radionuclides, ultrasonic, optical, biophysical, methods nanotechnologies to form scientific outlook in region modern methods research and diagnostics biological systems a person

# ***What can a student learn?***

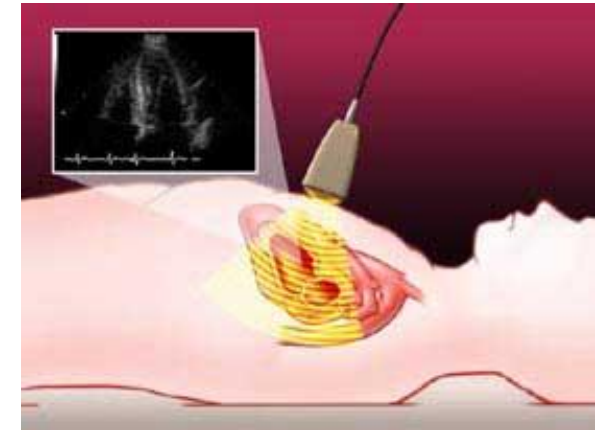
1

Features application methods  
mechanocardiography: apexcardiography,  
ballistocardiography, dynamocardiography,  
kinetocardiography, sphygmography,  
phlebosphymography, mechanical  
plethysmography

2

Features application methods forevaluations  
mechanical parameters systems breath: spirometry,  
pneumotachography

3



# ДЯКУЮ ЗА УВАГУ!



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