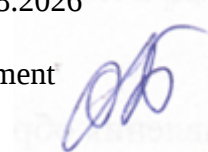


APPROVED

at the Meeting of the Department of Internal Diseases,
Cardiology and Rheumatology with a course of advanced
training and retraining
Protocol #1 of 31.08.2026

Head of the Department



A.M.Prystrom

Credit questions

for **additional course “New approaches to diagnosis and treatment of kidney diseases”** for the **5th** year students of the Medical Faculty for International Students at the Department of Internal Diseases, Cardiology and Rheumatology with a course of advanced training and retraining in **2026/2027** academic year

1. Describe clinical manifestations of renal pathology.
2. What are the main laboratory tests and instrumental investigations in nephrology?
3. Describe physiological functions of kidneys.
4. What is the relationship between morphological and functional disorders of the nephron and clinical manifestations.?
5. Mechanisms of nephrosclerosis development.
6. Glomerular filtration rate (GFR) as the main method for diagnosing the functional state of the kidneys.
7. What is the role of proteinuria in the diagnosis and assessment of prognosis of renal pathology?
8. Methods for determining of proteinuria.
9. Diagnostic value of kidney biopsy, indications and contraindications.
10. Differential diagnosis of acute and chronic, primary and secondary glomerulonephritis.
11. Clinical and morphological classification of glomerulonephritis.
12. Modern approaches to the treatment of glomerulonephritis depending on the clinical and morphological type of the disease.
13. Definition, etiology, pathogenesis and classification of pyelonephritis.
14. Methods for the diagnosis of pyelonephritis.
15. Differential diagnosis of pyelonephritis and glomerulonephritis.
16. Complications of pyelonephritis, their diagnosis, prevention and treatment.
17. Pathogenesis of acute and chronic tubulointerstitial nephritis.
18. Describe the role of drugs in the development of tubulointerstitial nephritis.
19. Acute kidney injury: definition, main etiological factors and classification.
20. Urgent care for acute kidney injury.
21. Kidney damage in diseases of connective tissue diseases.
22. Kidney damage with gout, treatment and prevention.
23. Diabetic nephropathy: stages, diagnostic significance of microalbuminuria.
24. Describe the role of the kidneys in the regulation of blood pressure.
25. Antihypertensive therapy in chronic renal failure.
26. Nephropathy in pregnant women: etiology, pathogenesis, clinical presentation and treatment.
27. Assessment of the stage and severity of chronic kidney disease.

28. Treatment of chronic kidney disease.
29. What are the indications for renal replacement therapy?
30. Management of kidney transplant recipients.