

## O'ZBEKISTON TERAPIYA AXBOROTNOMASI



### ТЕРАПЕВТИЧЕСКИЙ ВЕСТНИК У 3 Б Е К И С Т А Н А

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## ТЕРАПЕВТИЧЕСКИЙ ВЕСТНИК УЗБЕКИСТАНА

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#### ANTIHYPERTENSIVE THERAPY IN ELDERLY PATIENTS WITH CHRONIC KIDNEY DISEASE

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**Methods.** We analyzed 75 case histories of elderly patients treated in the nephrology department of the 3-clinic of the Tashkent medical academy. The average duration of hospitalization was 12,79±0,26 days. The mean age of patients was 66,24±0,56 years (60% – women). AH of the 1st degree was revealed in 4% of patients, AH of the 2nd degree – in 36%, AH of the 3rd degree – in 60%. Stage II CKD had 2.7% of patients, stage III CKD – 61.3%, stage IV CKD – 28%, stage V CKD – 8%. Proteinuria less than 300 mg/day was detected in 24% of patients, proteinuria 300–3000 mg/day in 32%, and proteinuria over 3000 mg/day in 5.3%. Pharmacotherapy was analyzed by prescription sheets.

Results. Combined antihypertensive therapy was administered in 97.3% of patients. The average number of simultaneously prescribed antihypertensive drugs per patient was 3.12±0.14. Beta-adrenoblockers (BABs) were given to 70.7% of the patients (of which bisoprolol in 58.5% of cases, metoprolol in 32.1%, nebivalol in 5.7%, atenolol in 3.8%, and carvedilol in 3.8%). Calcium antagonists (CA) were administered in 69.3% of patients (including amlodipine in 76.9%, nifedipine in extended forms in 14.7%). Diuretics (D) were received orally by 65.3% of patients (indapamide – 71.4%, furosemide – 22.4%, thorasemide –

18.4%, spironolactone – 6.1%). In addition, 14.7% of patients received intravenous furosemide. ARBs were prescribed in 45.3% of patients (fosinopril -61.8%, enalapril - 41.2%). Centrally acting drugs were received by 25.3% of patients (rilmenidine -68.4%, moxonidine - 38.5%). ARBs were received by 26.7% of patients (losartan - 90%, telmisartan - 5%, eprosartan - 5%). 6.7% of patients received the alpha-adrenoblocker doxazosin. In 18 cases, when ACEIs were not used, ARBs were prescribed. Thus, the total number of patients who received nephroprotective drugs (ACEIs and BRA) was 69.3%. The incidence of hyperkalemia was 39.1% and the incidence of stage V CKD was 34.8% in the group of patients who received neither (ACEIs) nor ARBs During the performed therapy, blood pressure (BP) significantly decreased from 157.79 ± 3.02/92.27 ± 1.18 to 128.47 ± 1.07/82.33 ± 0.83 mm Hg. Target BP (target BP (<140/80 mm Hg) at the time of discharge was achieved in 53.3% of patients.

Conclusion. The majority of elderly patients with CKD and AH received nephroprotective drugs (ACEIs and ARBs), which is in line with the current recommendations. In 30.7% of patients they were not prescribed, apparently due to hyperkalemia and the presence of marked azotemia.

#### ASSESSMENT OF THE FUNCTIONAL STATE OF THE LIVER IN PATIENTS WITH CHD AND OPTIMIZATION OF WAYS OF CORRECTION

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Purpose of the study. In this connection the aim of our study was to investigate the parameters of liver function in patients with stable angina II—III on the background of combined therapy with atorvastatin and milk thistle extract.

Materials and methods. The study included 80 patients with stable angina II-III. All patients were divided into 2 groups. 42 patients with stable angina II-III functional class (FC) who received standard therapy together with milk thistle extract were included into the main group (I group). The control group included 38 patients with CHD (Chronic heart disease) who received only basic therapy without milk thistle extract. The study was conducted in the departments of cardiology and cardiac rehabilitation of 3 clinics of Tashkent Medical Academy. All patients were taking drugs for stable angina according to the standards: antianginal drugs, B-blockers, ACE inhibitors, statins, anticoagulants, antiaggregants. All patients were

prescribed atorvastatin 20 mg in the evening after dinner, and patients in the main group took milk thistle extract (30 mg silymarin) for 3 months (1 tablet 2 times a day with meals).

All patients before and after treatment, along with general clinical tests had OAC, AML, biochemical blood tests, including ALT, AST level, total bilirubin, Serological screening for viral hepatitis (HBsAg, anti-HCV), blood lipid spectrum (triglycerides, total cholesterol, HDL-C, LDL-C), coagulogram, ECG, Holter monitoring were studied. Intracardiac hemodynamic parameters were determined by EchoCG.

Results of the study, against the background of therapy with atorvastatin together with milk thistle extract after 3 months the liver transaminases values were observed in comparison with the initial indices, there was a tendency to decrease the mean level of cytolysis markers: after 3 months the mean level of