



CHARACTERISTICS OF DIABETIC NEPHROPATHY IN PATIENTS WITH DIABETES MELLITUS

Rahmatullayeva G. K.,

Ubaydullayeva M. A.,

Axmedova N. A

Tashkent Medical Academy

Purpose of the study: To study the occurrence and characteristics of diabetic nephropathy in patients with diabetes mellitus.

Materials and methods: A total of 100 patients with diabetes mellitus who consulted doctors at the Endocrine Diseases Department of the Multidisciplinary Clinic of the Tashkent Medical Academy were examined. The symptoms of diabetic nephropathy progression were studied, and the disease progression was classified into the following stages: A (Hyperfiltration stage), B (Structural changes), C (Microalbuminuria), D (Proteinuria) and E (Terminal stage). Urinary microalbuminuria and proteinuria, blood creatinine, and uric acid levels, as well as the glomerular filtration rate (GFR), were determined. Blood pressure was also monitored. To assess diabetic nephropathy in diabetic patients, kidney size, structure and blood flow were examined using ultrasound (UTT). For a more detailed structural assessment, computed tomography (CT) was conducted.

Results: Diabetic nephropathy was observed in approximately 20-30% of diabetic patients. A significant decrease in filtration rate, an increase in urinary protein, urinary system dysfunction, leg swelling, and increased arterial pressure were noted. These symptoms were most prominent in groups B, C and D. In the single patient in the terminal stage (E), the disease led to chronic kidney failure.

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