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Cystatin C: As a biomarker of cerebrovascular diseases in renal dysfunction

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The prevalence of chronic kidney disease (CKD) in recent years growing in many countries of the world, accounting for more than 10% of the total population, and among persons, the frequency of CKD is significantly higher in older age groups. In the last time, the problem of kidney dysfunction and associated cerebrovascular diseases (CVD) becomes very relevant. The most important and complex aspects of this problems are the inhibition of progression of both CVD and renal dysfunction. Numerous studies show that in CKD, the risk of vascular complications increases even at the pre-dialysis stage of the disease. Exactly vascular events, not progressive deterioration of kidney function-the most frequent cause of death the patients with CKD. It is known that the most common variant structural changes in the arteries of CKD is atherosclerotic lesion carotid arteries (CA). In this study, the thickness of the intima-media complex (TIM) with the help of B-mode ultrasound (ultrasound) with an assessment of carotid plaque is currently a recognized surrogate marker of atherosclerosis, frequency, and severity of which in CKD depends on the value of the glomerular filtration rate (GFR). Atherosclerosis CA-an indispensable element in the pathogenesis of cerebrovascular and renal diseases, considered as a factor, it contributes to the further progression of these pathologies. Lately the possibility of using as a laboratory predictor Atherosclerosis CA and CVD Cystatin C-one of the renal biomarkers. The main aim was to study the role of cystatin C as a biomarker of atherosclerotic lesions of carotid arteries and cerebrovascular diseases in patients with a therapeutic profile.

Biography

Murkamilov Ilkhom Torobekovich was born in the Osh region of the Karasuisky district in 1983 on April 22. He received his higher professional education in the KSMA named after I.K. Akhunbaeva. Candidate dissertation is devoted to the topic "The influence of erythropoietin and the combination of erythropoietin with hypoxic pressure chamber training on anemia in chronic glomerulonephritis. (2016). More than 20 scientific publications on the problems of clinical nephrology have been published. At the moment, a doctoral student at the KRSU named after B.N. Yeltsin at the Department of Therapy No.2 specialty "Medical Business". Research topic: Chronic kidney disease and cerebrovascular disease. He is the chairman of the Society of Specialists on Chronic Kidney Disease in Kyrgyzstan.

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