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SOG‘LIQNI SAQLASH VAZIRLIGI**

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**«KLINIK TIBBIYOTDA  
ZAMONAVIY MUAMMOLAR VA  
INNOVATSION YONDASHUV»**

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Inson qadr-qimmatini ulug'langan, manfaatlarini ustuvor yurtida yuksalish va taraqqiyot bardavom bo'ladi. E'tiborlisi, mustaqillik yillarida mazkur tamoyil asosida mamlakatimizning barcha jabhalarida ijobiy o'zgarish va yangilanishlar kuzatilib, xalqimizning erkin va farovon yashashi, baxtli hayoti yo'lida izchil islohotlar amalga oshirilmoqda.

So'nggi yillarda mamlakatimizda Prezident Shavkat Mirziyoyev rahbarligida keng miqyosli islohotlar amalga oshirilib, davlat boshqaruvini tubdan yangilash, ijtimoiy soha va iqtisodiyot tarmoqlarini modernizatsiyalash borasida yangilanish va tashabbuslar boshlandi. Shu bilan bir qatorda, tibbiyot sohasidagi yetuk Respublikamizdagi va xorijiy olimlar bilan tajriba almashish maqsadida «Klinik tibbiyotda zamonaviy muammolar va innovatsion yondashuv» nomli ilmiy-amaliy konferensiya o'tkazildi va natijada Surxondaryo viloyatidagi OTM va tibbiyot tashkilotlari xodimlari uchun tibbiy ta'limdagi zamonaviy ilmiy tadqiqotlar, dolzarb masalalar, yutuqlar va innovatsiyalar, muammolar va ularning yechimi bo'yicha dolzarb muzokaralar olib borildi va tavsiyalar ishlab chiqildi.

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## RENAL COMPLICATIONS OF VASCULITIS IN CHILDREN

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Systemic vasculitis is a generalized inflammation of small vessels, the clinical manifestations of which are more often: rash, articular syndrome, abdominal syndrome and kidney damage with varying frequency and degree. The renal syndrome is manifested by hematuria of varying severity, the development of glomerulonephritis, predominantly hematuric, but possibly nephrotic form. The aim of this study was to study kidney damage in patients with vasculitis.

### **Material and methods**

An analysis was made of the incidence of chronic kidney disease (CKD) in 26 children with hemorrhagic vasculitis who were treated in the pediatric cardio-rheumatology department of the multidisciplinary clinic of the Tashkent Medical Academy from 2021 to 2022. To assess the functional state of the kidneys in all patients, serum creatinine was determined by the Jaffe method on an automatic biochemical analyzer BM / Hitachi 912, a general urine test, daily proteinuria were studied, the Nechiporenko test was performed, ultrasound of the kidneys, glomerular filtration rate (GFR) was calculated using the Schwartz formula.

### **Results and discussion**

Girls predominated among the patients included in the study — 16 (61%). The median age was 5 years (interquartile range 4.3 to 6.1). Most patients had a mixed form of the disease (cutaneous-articular (35%), skin-abdominal-renal (60%). In 5 (19%) patients out of 26, a normal glomerular filtration rate of more than 90 ml / min / 1.73 m<sup>2</sup> was established, GFR in the range from 60 to 89 ml/min/1.73 m<sup>2</sup> was found in 3 (11%) patients, and glomerular filtration rate less than 60 ml/min/1.73 m<sup>2</sup> was detected in 7 (27%) patients.

The mean age of patients in the first group was  $9.5 \pm 1.6$  years, in the second group —  $13.9 \pm 3.6$  years, in the third group of patients -  $16.0 \pm 3.7$  years. The average age of patients in the three groups differed significantly ( $p < 0.001$ ). The analysis revealed that the incidence of glomerular filtration rate disorders is associated with the clinical form of hemorrhagic vasculitis.

**Conclusions.** Thus, the presence of criteria sufficient for diagnosing CKD (according to the K/DOQI classification, 2007) was found in 10 (38.4%) patients out of 26 examined patients. Most often in patients with CKD, a moderate decrease in GFR was detected (27%). The relationship between GFR and the clinical form of hemorrhagic vasculitis was revealed.