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NEPHROTIC SYNDROME MANIFESTATION IN THE POST-COVID PERIOD (Clinical case)

Safarova Gulnoz Avazkhanovna

Bukhara State Medical Institute,

Department of Faculty and Hospital Therapy, Nephrology and Hemodialysis,
assistant

Relevance. Coronavirus infection is hazardous not only because of inflammation and lung tissue damage[1]. Complications of the condition, in any form, affect the heart, brain, and kidneys. 59% of all problems involve the urinary system[2]. Protein has been identified in the urine of patients in the provinces of Sichuan and Hubei, and blood is found in nearly one in every two.

Acute renal damage is one of the reasons in covid death in severe instances, hence screening should begin as soon as feasible. Sluggish and latent urinary system abnormalities emerge quickly in certain patients with coronavirus disease[3,4].

Target. To describe the characteristics of cryoglobulinemic nephropathy in the post-COVID phase.

Keywords: Nephropathy, post-COVID period, glomerulonephritis.

Material and methods. Patient K, 61, was hospitalized to the Bukhara Regional Multidisciplinary Medical Center's therapeutic department with symptoms of lumbar discomfort, belly enlargement, and shortness of breath after activity. According to the anamnesis, she had viral hepatitis C eight years ago. She contracted a fresh coronavirus infection in March 2022.

On arrival, the patient was in a moderately severe state with ascites and pastosity of the legs and feet. Laboratory research methods: platelets $63 \cdot 10^9/l$; C-reactive protein 24.3 mg/l; total protein 46g/l; total bilirubin $9.4 \mu\text{mol/l}$; ALT 26 U/l; AST 20 U/l; ALP 68 U/l; urea 11.3 mmol/l; creatinine $139 \mu\text{mol/l}$; uric acid 0.6 mmol/l; potassium 5.8 mmol/l; sodium 125 mmol/l; APTT 24 sec.; prothrombin according to Quick 101.2%; INR 1.04; Anti-HCV total - detected; HCV RNA was not detected quantitatively. Urinalysis: quantitative protein 1.578 g/l; leukocytes 9.45 cells/p. sp.; erythrocytes 658.6 cells/p. sp.; Urinalysis according to Nechiporenko: leukocytes $20 \cdot 10^6/l$; erythrocytes $1250 \cdot 10^6/l$. According to ultrasound data, free fluid in the pleural cavities on both sides is free fluid, diffuse changes in the liver like cirrhosis, portal hypertension, splenomegaly, ascites. Diffuse changes - glands, kidneys. Elastometry of the liver, the degree of fibrosis according to the METAVIR F1 scale[5,6].(1-3 tables)

Results. As a result of the differential diagnosis search, nephrotic syndrome was confirmed within the context of "Cryoglobulinemic glomerulonephritis," one of the secondary types of kidney injury.

Conclusion. In light of the preceding, it is of significant clinical and scientific interest to investigate the potential effects of a novel coronavirus infection COVID-19 in extrapulmonary localizations, including kidney injury.

Table-1

**Экспресс-диагностика для качественного и
количественного гепатитов**

Ф.И.О [REDACTED] Год.рождение [REDACTED] Дата **7.06.2022**

Наименование	Результат.	Результат.	Норма	Норма
<u>HbsAg</u> (гепатит В)	Отрицательный	0,122	Отрицательный	0,126
Anti HCV (гепатит С)	Положительный	1,786	Отрицательный	0,142

Table-2

ОБЩИЙ АНАЛИЗ МОЧИ.

<u>Физическое-химическое свойства</u>			
№	Показатель	Результат	Норма
1	Количество	60 мл	50-100мл
2	Цвет	Солом. жёлтый	Солом. жёлтый
3	Прозрачность	Прозрачный	Прозрачный
4	Лейкоциты	9,45	- шт/мкл
7	Белок	1,578	До 0,15 г/л
9	Реакция Ph	6.0	5,0 - 6.0
10	Кровь	658,6	- шт/мкл

Анализ мочи по Нечипоренко

№	Исследуемый показатель	Нормальные значение	Результаты исследования
1	Количество лейкоцитов	До 4000 в 1 мл	20
2	Количество эритроцитов	До 1000 в 1 мл	1250
3	Количество цилиндров	отсутствуют	-

Table-3

Ф.И.О	
Дата рождения	
Дата	

Биохимическое исследование крови

№	Наименование исследования	РЕЗУЛЬТАТ	НОРМА
1	АЛТ (аланинаминотрансфераза)	26	Мужчины: до 40 U/L. Женщины: до 31 U/L
2	АСТ (аспартатаминотрансфераза)	20	Мужчины: до 37 U/L. Женщины: до 31 U/L
3	Билирубин общий	9,4	до 19 мкмоль/л
4	Билирубин прямой	4	до >5,1 мкмоль/л
5	Билирубин не прямой	5,4	до >15,4 мкмоль/л
6	Глюкоза	6,4	4,2-6,4 ммоль/л
7	Мочевина	11,8	1,7-8,3 ммоль/л
8	Креатинин	139	Мужчины: 62 - 124 мкмоль/л. Женщины: 53 - 97 мкмоль/л
10	Мочевая кислота	0,6	Мужчины: 200-416 мкмоль/л. Женщины: 142-339 мкмоль/л
11	Альбумин		38-44 г/л
12	Общий белок	46	до 3 лет: 46-70 г/л от 3 лет и взрослые: 66-87г/л
13	Альфа-амилаза		до >120 МЕ/л
14	Щелочная фосфатаза	68	26-117 МЕ/л
15	Гамма - глутаминтрансфераза		Мужчины: до >50 Ед/л Женщины: до >32 Ед/л
16	Кальций		2.15-2.55 ммоль/л
17	Калий	5,8	3.5-5.6 ммоль/л
18	Железа (Fe ^{**})		10.6-28.3 ммоль/л
19	Натрий	125	

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