INTERNATIONAL CONFERENCE ON MEDICAL

# MEDICINE AND HEALTH **SCIENCES VENICE 2021**











# MEDICINE AND HEALTH SCIENCES VENICE

# **BIOLOGICAL SCIENCES**

Yusufjonova Munisa Abdumannob qizi MICROFLORA OF PLANT
Atakulova Manzura Nematovna
METHODS OF DEVELOPING STUDENTS' RESEARCH ACTIVITIES IN THE PROCESS OF
BIOLOGICAL EDUCATION IN PEDAGOGICAL HIGHER EDUCATION INSTITUTIONS9
biological edocation in redadogical money edocation institutions
CHEMICAL SCIENCES
Yu.N.Litvishkov, N.M.Hasangulieva, N.V.Shakunova, E.M.Huseynova, Yu.R.Nagdaliyeva MICROWAVE SYNTHESIS OF MASSIVE AND DEPOSITEDFERRITE PARTICLES
(CO, NI, CU, ZN)12
ECONOMIC SCIENCES
Abduraxmonov I.Kh. MODERN METHODS OF REGULATING AND CONTROLING THE INSURANCE
MARKET
F.Sh.Khamraeva
PROBLEMS OF COMPULSORY INSURANCE DEVELOPMENT
FINANCIAL STABILITY MANAGEMENT OF INSURANCE COMPANIES
U.Sh. Maqsudova
FOREIGN PRACTICE OF TRAVEL INSURANCE 20
MEDICAL SCIENCES
Babadjanova Shoira Agzamovna, Kurbonova Zumrad Chutbaevna, Khushbokova Gulirano Uktamovna
RETROSPECTIVE ANALYSIS OF BLOOD INDICATORS IN PATIENTS WITH
CORONAVIRUS INFECTION
Babadjanova Shoira Agzamovna, Kurbanova Gavhar Chutbaevna
FEATURES OF THE COURSE OF ANEMIA IN DIFFUSION-TOXIC GOITER24
Babadjanova Shoira Agzamovna, Kurbonova Zumrad Chutbaevna, Toshev Jalol Xakimovish EFFECTIVENESS OF NEW IRON POLYACRYLATE PREPARATION IN TREATMENT OF
ANEMIA ASSOCIATED WITH IRON DEFICIENCY25
Islamova Zulfiyahon Saidganikhuja kizi, Babadjanova Shaira Agzamovna,
Kurbonova Zumrad Chutbaevna
CLINICAL CHARACTERISTICS OF IMMUNE MICROTHROMBOVASCULITIS27
Kumri Islamovna Narzikulova, Asilbek Iskandar ugli Fayzullaev,
Sarvarkhon Akmaljon ugli Yuldashov
EVALUATION OF THE EFFECTIVENESS OF COMBINED ANTIHYPERTENSIVE DRUGS
WITH A MODIFIED COMPOSITION IN THE TREATMENT OF GLAUCOMA
Kurbanova Zumrad Chutbaevna, Karimova Umida Nirmatovna,
Togaeva Dilafruz Salokhiddinovna CLINICAL LABORATORY DIAGNOSTICS FORMS OF CHRONIC
GLOMERULONEPHRITIS31
Mukhamedova M, Kairov A A
ROLE OF CYTOKINE LEVELS IN THE OCCURRENCE OF ACUTE CORONARY
SYNDROME 33

### MEDICINE AND HEALTH SCIENCES VENICE

#### CLINICAL CHARACTERISTICS OF IMMUNE MICROTHROMBOVASCULITIS

# Islamova Zulfiyahon Saidganikhuja kizi 3rd year doctoral student of the Department of Hematology, Transfusiology and Laboratory Science, Tashkent Medical Academy, Email. - islamova.zulfiya@gmail.com; tel :: +998977195555 Babadjanova Shaira Agzamovna Professor of the Department of Hematology, Transfusiology and Laboratory Science, Tashkent Medical Academy, Email. sharia\_b @ mail.ru; tel.: +998909890359

#### Kurbonova Zumrad Chutbaevna

PhD, Associate Professor, Department of Hematology, Transfusiology and Laboratory Science, Tashkent Medical Academy, Email. - kzch77 @ mail.ru; tel.: +998971454654;

**Introduction:** Immune microthrombovasculitis (IMTV) is a systemic disease that affects the small vessels of the skin, joints, gastrointestinal tract and kidneys. IMTV is based on multiple focal vascular thrombosis in foci of hyperergic inflammation with the development of secondary hemorrhages in the vessels of the skin and internal organs. The disease occurs with a frequency of 23-25 per 100 thousand population, children get sick more often than adults (Kudryashova M.A., 2015; Chen T., Guo J-H., 2015).

**Material and research methods:** Depending on the localization of the lesion, the patients were divided into the following forms of IMTT:  $22.6 \pm 2.3\%$  of patients had a skin form (group 1),  $50.2 \pm 3.1\%$  of patients had a skin-articular form (Group 2),  $12.8 \pm 1.1\%$  had a mixed skin-articular and abdominal form (group 3),  $14.4 \pm 1.3\%$  had a skin-articular and renal form (group 4).

**Results:** It was found that in  $56.6 \pm 4.3\%$  of patients, the development of IMTI was observed against the background of upper respiratory tract infections (tonsillitis, ARVI, etc.), in  $22.3 \pm 3.3\%$  of patients, IMTI occurred after taking medications, and in  $21.1 \pm 1.8\%$  of patients, it was not possible to establish the cause of the development of IMTT. At the same time,  $48.8 \pm 3.5\%$  of patients had a history of allergic diseases.

In group 1 patients with cutaneous BMI,  $34 \pm 4.5\%$  of patients had symmetrical petechial hemorrhagic rashes up to the knee,  $28 \pm 2.0\%$  of patients also had petechiae on the hips and buttocks, and  $16 \pm 1.3\%$  of patients on the legs , buttocks and abdomen,  $12 \pm 1.5\%$  had petechiae on the legs, buttocks, abdomen and arms. In  $10 \pm 0.9\%$  of patients, rashes were observed throughout the body.

The most characteristic symptom of the cutaneous form of BMI was hemorrhagic rash that did not disappear after pressure, did not rise above the skin level, in the form of petechiae 2-5 mm, often accompanied by itching and prone to fusion. The hemorrhagic rash had a sequence: at first the rash was on the feet and legs, later it spread higher. The duration of the disease in patients with the cutaneous form was the shortest and amounted to  $15 \pm 2.3$  days.

Together with skin lesions in patients of group 2, joint damage was also observed: articular syndrome was expressed by pain and periarticular swelling, redness, disorder of motor functions, mainly in large joints. Basically,  $62 \pm 8.9\%$  of patients had ankle joint lesions,  $23 \pm 2.6\%$  of patients had ankle and knee joint lesions, and other joints were also affected in  $15 \pm 1.2\%$  of cases. The duration of the disease in patients with skin-articular form averaged  $8.7 \pm 1.8$  months.

In group 3 patients with a mixed skin-articular and abdominal form of the disease, in addition to damage to the skin and joints, damage to the gastrointestinal tract was also observed, resulting from hemorrhage in the intestinal wall and mesentery. In patients with lesions of the skin and joints, the following symptoms were observed: vomiting, cramping abdominal pain of the type of intestinal colic, more often around the navel, tension and soreness of the abdomen on palpation, and sometimes intestinal bleeding, often simulating acute surgical diseases of the abdominal cavity.

## MEDICINE AND HEALTH SCIENCES VENICE

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