

SUMY STATE UNIVERSITY
MEDICAL INSTITUTE



«**BIOMEDICAL
PERSPECTIVES**»

ABSTRACT BOOK

International Scientific and Practical Conference
of Students, Postgraduates and Young Scientists

(Sumy, October 16-18, 2019)

Sumy
Sumy State University
2019

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE
SUMY STATE UNIVERSITY
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**STRUCTURAL DISTRIBUTION OF PLASMAPHERESIS SESSIONS' AMOUNT
IN THE COURSE OF TREATMENT INFECTIOUS NOSOLOGIES ON THE
BASIS OF SUMY REGIONAL CLINICAL HOSPITAL OF INFECTIOUS
DISEASES AFTER Z.Y. KRASOVYTSKYI**

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Introduction. Nowadays curative plasmapheresis has a prominent place as an efferent therapy in the complex treatment of patients for the prolongation of remission in certain infectious nosologies (chronic hepatitis, acute hepatitis, sepsis, toxic hepatitis, herpes, leptospirosis, chronic arachnoencephalitis). According to the pathophysiological aspects, the use of apheresis promotes the normalization of protein metabolism in parallel with the hormonal state, in the form of suppression of amino acids deamination, which is important in the spectrum of plasmapheresis.

Aim. To estimate the average, maximum and minimum amount of plasmapheresis in the course of treatment of certain nosologies.

Materials and methods. The study was conducted by the based-on Sumy regional clinical hospital of infectious diseases after Z.Y. Krasovytskyi. The case histories from 2007 to 2011 were analyzed to determine the minimum, maximum and average number of plasmapheresis from the following nosological units: chronic hepatitis, acute hepatitis, sepsis, HCV, toxic hepatitis, herpes, leptospirosis, staph infection, chronic arachnoencephalitis. Patients were in a different age range from 18 to 75 years.

Results. According to the age, patients were divided into the following groups: from 18 to 25 years - 9 (12%), from 26 to 35 years - 14 (18%), from 36 to 45 years - 19 (25%), from 46 to 55 years - 21 (27%), from 56 to 65 years - 10 (13%), from 66 to 75 years - 4 (5%). The average age of patients was 43.3 years. During processing the database of acute hepatitis (30 case histories), it was determined that the maximum number of performed apheresis was 8, the minimum was 3 and the average value was 4.57. The highest proportion of total amount of plasmapheresis was for acute hepatitis, chronic hepatitis, and liver cirrhosis. The quantitative indicator for these nosologies was as follows: maximum number of procedures for acute hepatitis was 4, minimum was 2 and the average was 2.84. For chronic hepatitis, the maximum value was 6, the minimum value was 3, and the average value was 4.14. Assessing the data for liver cirrhosis was established: the maximum number of procedures was 8, the minimum was 5 and the average was 6.5.

Conclusions. In accordance with the accessibility of medical care is a key factor in its delivery, it is necessary to include plasmapheresis in the treatment protocols for those diseases where the effect is achieved with a minimum of sessions, such as acute hepatitis and chronic hepatitis.

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НАУКОВЕ ВИДАННЯ

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