

## "DIFFERENTIATED APPROACH TO THE TREATMENT OF INFLAMMATORY PERIODONTAL DISEASES IN PEOPLE WITH CHRONIC VIRAL HEPATITIS"

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### Annotation

In the same population of patients, the effect of melody on microcirculation indicators and external respiratory function was noted. Thus, melody in the clinic of internal diseases can be considered as a nadnozological drug with a wide range of clinical effects.

**Key words:** carnitine by meldonium of organic cations, excretion with urine. Decrease

### Introduction

Inhibition of the carrier of carnitine by meldonium of organic cations/2 (OCTN2) species is observed with a decrease in L-carnitine concentration on account of a decrease in its transport in tissues and a relaxation of its excretion with urine. Decrease in L-carnitine accessibilitytiradi decrease in the production of atylcarnitine by carnitine - palmitoiltransferase-1 (CPT1). It also reduces the formation of trimethylamine (TMA) from L-carnitine by the intestinal microbiotatiradi and promotes the release of trimethylamine - N-oxide (TMAO)-TMA metabolite, which is formed by flavin – containing mono-oxygenases (FMO). In general, the decrease in acylcarnitines and TMAOni is determined by the cardioprotective, antiatherosclerotic and antidiabetic effects of meldonium.

Meldonium inhibits the final enzyme of  $\gamma$ -butyrobetaingidroxylyase – carnitine biosynthesis and the enzyme of the internal membrane of carnitine - palmitoiltransferase I – mitochondria, this enzyme catalyzes the transfer of the atyl group to coferment-Adan carnitine. As a result, the transport of long-chain oils from cytosol to mitochondria decreases and is re-directed to peroxisomes, where they are metabolized in mitochondria to medium and short-chain atsilcarnitines for

subsequent oxidation, which eliminates the accumulation of toxic long-chain intermediate products in mitochondria, and mitochondrial KFSH is formed, which increases the ratio with the growth of the length of the Catabolic intermediate compounds and by-products of long-chain oils, as is known, slow down the speed of the flow of electrons in the chain and mitochondrial oxidizer is able to break the restorative balance and reduce its formation.

Thus, meldonium reduces the risk of damage to mitochondria, which is mediated by the metabolism of long-chain fats, and transfers energy production to glycolysis, which requires less oxygen than oxidation of fats, which in conditions of ischemia gives a positive effect. Meldonium helps reduce the concentration of metgemoglobintiradi and, as a result, more transport of O<sub>2</sub> by erythrocytes. The structural similarity of meldonium with L-carnitine, most likely, allows it to be associated with erythrocytes.

Today, interesting clinical data on the effectiveness of the use of meldonium in conditions of coronavirus infection are emerging.

So, A.L. In a targeted study (2020) evaluating the use of the drug Mildronate ® as a metabolism corrector in patients with coronavirus pneumonia and chronic heart failure of Vertkin and others, a statistically significant decrease in hospitalization times compared to the control group in the Mildronat ® drug group was noted, a reliable decrease in the S-reactive protein and D-dimer levels was noted

The drug was administered in the following order: the solution for injections (0,5 g/5 ml) was administered intravenously from 1 Gramm per day, followed by an outpatient procedure with a peroral reception of capsules at a dose of 500 mg 2 times a day for 2 weeks during the entire hospitalization. After 3 months, a significant improvement in the quality of life in the Mildronat ® drug group and a decrease in the incidence of Asthenic Syndrome on the data of MFI-20 (subjective scale of the assessment of asthenia), EQ-5D (European questionnaire on quality of life) scales, a decrease in the clinical manifestations of Sue on the scale of the evaluation of the clinical Yen, it's not. In the work of Ebzeeva and others (2020), Mildronate as a postinfection (postcovid) Asthenic Syndrome corrector was noted to have a positive effect when it was prescribed to take inside from 500 mg twice daily for 14 days.

Recent studies have demonstrated that viral infections can modulate Mt functions, manage Cell Energy Exchange, reprogram metabolic pathways, and use metabolites to support viral clearance in cells. the results of a recent study have shown that viral infections can increase the risk of viral infection by modulating Mt functions.

The SARS-CoV-2 virus is also no exception: new data testify that it replicates in mitochondrial structures, invading immune cells MT sin and disrupting their function, leading to the death of cells.

R. In one of Prasn's latest observations (2021), not only will their important pathogenetic role be discussed in the pathogenesis of COVID-19, taking into account the role of mitochondria in Innate viral immunity, as well as in inflammation, but also

attempts will be made to answer complex questions. For example, why the prognosis in people with obesity, metabolic syndrome or diabetes is so negative. SARS-CoV-2 Mt can have a direct and indirect impact on functionality.

It then penetrates into the owner cell through the way it joins Aaf2 by internalizing and saturating the enzyme-2 (AAF2) receptors that convert angiotensin, which is observed with increased levels of angiotensin II, the prothrombotic, vasoconstrictive and anti-inflammatory PID hormone, which increases levels of oxidative stress and mitochondrial dysfunction geltirib, the cytoplasmic and mitochondrial active forms of oxygen (Es). In addition to this indirect effect, SARS-CoV-2 can directly inhibit the function of mitochondria through its auxiliary Orf9b protein, which suppresses the responses of interferon I (IFN-I) by binding to the mitochondrial protein of the TOM70 – outer membrane, which determines the immune response to viral infection. In addition, SARS-CoV-2 mitophagi in this way contribute to the accumulation of damaged mitochondria, mediating the inflammation and death of cells, while the release of mtdnk into the cytoplasm faxes mtDNK-induced inflammation and suppresses congenital and adaptive immunity.

### Conclusion

Thus, taking into account the above-described implications of the realization of its effect, the use of meldonium in the context of complex therapy in coronavirus infection conditions and the postcovid period is considered pathogenetic-based, taking into account the possibility of correcting its Mt dysfunction and reveals new scales of its use in modern pandemic realities. In the instructions for the use of Mildronat ® YuIK, the composition of the complex therapy in SYuEda stated that the drug should be prescribed for inside intake at a dose of 500 mg 1 time per day for 4-6 weeks. In dysgormonal cardiomyopathy, Mildronate ® is prescribed inside at a course of treatment for 12 days from 500 mg in the composition of complex therapy.

In acute subcutaneous and chronic violations of cerebral circulation (after stroke) after the end of the course of injection therapy with the drug Mildronat ® , the entire dose of 500 mg 1 time per day in the composition of complex therapy is taken inside, divided into one-time or 2-time admission, the course of treatment is 4-6 weeks.

### Reference

1. Jamshedovna K. R. Modernization service factory and improving the sector of service //Asian Journal of Multidimensional Research (AJMR). – 2019. – T. 8. – №. 4. – C. 373-383.
2. Rahima K., Sobirov B. AUGMENTATION OF SERVICE SPHERE AND DIVERSIFICATION OF CATERING INDUSTRY //Journal of Management Value & Ethics. – 2015.

3. Kurbanov Z. M., Kurbanova R. Z. TRANSDISCIPLINARY RESEARCH IN THE SPHERE OF SERVICE ТРАНСДИСЦИПЛИНАРНЫЕ ИССЛЕДОВАНИЯ В СФЕРЕ СЕРВИСА.
4. Nuralievna S. N., Islamovna Z. N., Rakhimovna K. D. Prediction of Premature Outflow of amniotic fluid in Preterm pregnancy //International Journal of Psychosocial Rehabilitation. – 2020. – Т. 24. – №. 5. – С. 5675-5685.
5. Shavazi N. N., Lim V. I., Shavazi N. M. Influence of threats of the preterm birth to the intra and postnatal periods of infants //Journal of Advanced Research in Dynamical and Control Systems. – 2020. – Т. 12. – №. 5. – С. 210-215.
6. Babamuradova Z. B., Shavazi N. N. Assessment of the efficacy and safety of biological agents in rheumatoid arthritis //Journal of Advanced Medical and Dental Sciences Research. – 2021. – Т. 9. – №. 6. – С. 26-31.
7. Shavazi N. N. The nature of changes markers of dysfunction of the endothelium in blood of women with premature bursting of amniotic waters //Journal of Advanced Medical and Dental Sciences Research. – 2021. – Т. 9. – №. 6. – С. 6-9.
8. Shavazi N. N., Babamuradova Z. B. Efficiency of the risk scale of extreme premature labor //Journal of Advanced Medical and Dental Sciences Research. – 2021. – Т. 9. – №. 6. – С. 21-25.
9. Shavazi N. N. Management of pregnant women from a high risk group with threat and premature labor. Prevention of intra-perinatal outcomes //Journal of Advanced Medical and Dental Sciences Research. – 2021. – Т. 9. – №. 6. – С. 10-20.
10. Shavazi N. N. et al. Morphofunctional Structural Features of Placenta in Women with Late Preterm Birth //Annals of the Romanian Society for Cell Biology. – 2021. – С. 3820-3823.