

## Bioresonance technologies and "Transfer factors" in complex interferon-free therapy for patients with chronic hepatitis C

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Today viral hepatitis is considered one of the leading medical and social problems. The relevance of viral liver pathology can be explained by its prevalence, a progressive increase in the number of infected and patients with viral hepatitis. This is especially true of viral hepatitis C, which is characterized by a chronic latent course, long-term persistence of the virus, a high probability of transformation of the pathology into cirrhosis of the liver and hepatocellular carcinoma. Infection with the hepatitis C virus in the world exceeds half a billion people; over the past 5 years, there has been an almost 10-fold increase in the incidence.

In solving the problems of chronic hepatitis C, an academic approach prevails, which assumes the priority of laboratory methods diagnostics and treatment of pathology with interferon preparations. To date, the standard treatment regimen for chronic hepatitis C is the combined use of pegylated interferon alpha-2a (Pegasis) and ribavirin (Copegus), regardless of the identified genotype of HCV infection.

A prerequisite for the appointment of anti-HCV therapy is the absence of autoimmune, neurological diseases and other serious pathology in the stage of decompensation.

Interferon therapy, which does not provide sufficient efficiency and is not always economically available, has serious side effects: depressive conditions, hyperthermic reactions, alopecia, myalgia, arthralgia, hemolytic anemias, leukopenia, neutropenia, etc. This requires stopping treatment or prescribing other drugs, which, in turn, often worsen the functional state of the liver, besides, they increase the already high cost of treatment. Therefore, the intensive search for alternative methods of etiopathogenetic therapy becomes understandable.

In modern medicine, a physical method of treatment with the use of natural electromagnetic oscillations, electromagnetic fields and human radiation, called bioresonance therapy (BRT), is increasingly used. For the first time, the ideas of bioresonance therapy were formulated by the German physician F. Morell (F. Morell, 1977).

In the system of bioresonance therapy developed by F. Morell, along with the patient's own electromagnetic oscillations (endogenous BRT), treatment with the help of external electromagnetic fields and radiation (exogenous BRT) is also used. F. Morell's ideas were further developed in the work of the team of the IMEDIS Center (Russia) under the leadership of Yu.V. Gotovsky. Formulated and developed by Yu.V. Gotovsky, a fundamentally new concept of endogenous adaptive BRT, which is based on a meridian, systemic approach to the treatment of various diseases, was implemented in the diagnostic and treatment equipment of the IMEDIS Center.

The team of scientific and methodological rehabilitation and diagnostic

Center "Culture of Health" State Research Institute of Virology named after D.I. Ivanovsky Russian Academy of Medical Sciences demonstrated the positive effect of resonance-frequency effects on the development of hepatitis C infection in mice chronically infected with this virus (Osipova O.V. et al., 2003). Bioresonance technologies are successfully used in the treatment of patients with viral hepatitis C at the Eliseeva Methodological Center, Moscow (2007).

The immune system is one of the most subtle sensitive indicators of both environmental well-being and the general state of the body. The hepatitis C virus is characterized by constant variability of the antigenic structure and the immune system does not have time to recognize antigens and produce antibodies that neutralize them. Because of this, in hepatitis C, the state of the immune system is always suboptimal, which explains the lack of sufficient control over the infectious process and the "evasion" of the hepatitis C virus from immune supervision, mainly latent chronic course, frequent reinfection.

Applying the indicated diagnostic and therapeutic antiviral techniques in our practice, we were convinced of the insufficient reserves of the patient's immune system and the deterioration of immunity indicators in the process of antiviral therapy. Therefore, the question of choosing immunotropic drugs that would provide immunocorrective and immunomodulatory effects was very important. These are the drugs of the Transfer Factor series, which are a concentrated isolate

transfer factors of bovine colostrum and egg yolks in combination with other natural ingredients. They are characterized by a modulating effect on the human immune system, the absence of unwanted side effects; drugs that are effective at different stages of the activity of the immunopathological process are convincingly tested by the methods of R. Voll and the vegetative resonance test. Three fractions of transfer factors, selectively affecting different parts of the immune system, depending on the type of disorders, stimulate reduced immunity or suppress excessively overly active and autoaggressive immune responses, regulate the rate of the immune response, preventing damage to the body [6].

The aim of our work was to determine the effectiveness of bioresonance therapy methods in combination with natural immunomodulators "Transfer Factors" in complex interferon-free therapy of viral hepatitis C.

A total of 14 patients with a diagnosis of chronic hepatitis C with a mild and moderate course of the process at the age of 24–49 are under observation; all patients are men. The diagnosis of chronic hepatitis C was verified according to generally recognized academic criteria, including clinical and laboratory parameters: complaints, history, methods of physical diagnostics, ultrasound examination of the abdominal organs, enzyme-linked immunosorbent assay, molecular biological methods - polymerase chain reaction, general clinical blood test, biochemical parameters (Alt , AsAT, alkaline phosphatase). None of the patients underwent liver biopsy. The dynamics of the process was monitored by the same criteria.

Used for diagnostics:

- electropunctural diagnostics according to the method of R. Voll (devices "INTA",

- Ukraine; MINI-EXPERT-DT, IMEDIS, Russia);
- vegetative resonance test (apparatus "MINI-EXPERT-DT" with software, "IMEDIS-EXPERT", Russia);
  - electrozonal vector diagnostics of the functional state of the organism (APK "Vector-Diacor-Bio-PSI", Ukraine).

The therapeutic strategy was chosen by us taking into account the individual characteristics of the patient and was determined by a number of factors, the decisive of which was the patient's condition according to the examination data (especially the state of the immune system), the presence and degree of complications. Treatment necessarily included:

1. Elimination of exogenous loads.
2. Basic endogenous bioresonance therapy, organotropic in all meridians and with inversion from the projection area of the liver and other problem organs.
3. Exogenous bioresonance therapy with fixed frequencies by means of UMT "inductor".
4. Antiviral resonance-frequency therapy, according to the accepted methods, daily courses of 10 sessions, with a twenty-day break. The number of courses was determined individually, depending on the dynamics of the process.

5. Particular attention was paid to the elimination of endogenous and exogenous toxins. We used the possibility of indirect control over the state of the antioxidant system and the degree of intoxication of individual organs, blood and lymph of the agro-industrial complex "Vector-Diacor-Bio-PSI". Drainage and detoxification therapy was carried out with complex homeopathic preparations from O.T.I. and "ONOM", Roy Martina preparations of the Detox and Endotox groups. Electronic analogues of drugs were prepared using the drug selector "IMEDIS". This was often not enough. If necessary, drainage and detoxification therapy was supplemented with Enterosgel, Minerol, phytodrainages of domestic production, and it was also recommended purification and health-improving systems.

5. Correction of the state of the immune systems. We are convinced of inexpediency and even danger out of control the widespread use of recommended preparations of immunotropic action, made on the basis of plant raw materials (including echinacea, eleutherococcus, ginseng, etc.). The use of these drugs increased the risk of developing autoimmune processes in the body. Therefore, all patients were prescribed immunocorrective therapy with informational electronic analogs of the preparations of the SEROIMMUN group (company "OTI", Italy), and also according to individual schemes were prescribed immunomodulatory drugs of the "Transfer factor" series from the company "4 Life Research LC", USA (Transfer factor, Transfer factor Plus, Transfer Factor Advensd). More often, the simultaneous administration of two drugs was used: Transfer Factor Plus (1 capsule three times a day) and Transfer Factor Advance (1 capsule twice a day).

6. Elimination of toxic loads, abolition of allopathic hepatotoxic drugs, alcohol, overheating, restriction of physical activity.

7. Antioxidant therapy, hepatoprotectors, eubiotics, phytopreparations,

diet, water and drinking regimen.

Antiviral therapy with interferons was not used. Bioresonance therapy was performed without active allopathic treatment. The same methods were used to solve the problems of correcting other identified pathological disorders at the same time.

The results of the effectiveness of therapeutic measures were assessed by changes in the clinical picture, the results of laboratory examinations and the patient's subjective assessment of his condition using analog scales.

Positive dynamics was observed in all patients. A persistent virological response within 6 months of follow-up was observed in 10 patients (71.1%). No undesirable side reactions were observed in any of the cases.

So way, results research testify O  
the expediency of using information therapy methods in the diagnosis and complex therapy of patients with hepatitis C viral infection, in particular the diagnostic methods of R. Voll and ART, as well as adaptive bioresonance therapy and anti-spinal treatment by the method of resonance frequency therapy. The use of BRT methods in combination with immunocorrective drugs of the Transfer Factor series provides positive clinical results of therapy, favorably affects the course of the pathological process.

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