

APPLICATION OF UNUSUAL PROPERTIES OF LOW LEVEL LASER RADIATION FOR TRANSFER INFORMATION FROM MEDICINE TO PATIENT'S BODY IN THERAPY OF PATIENTS WITH SOME VIRAL DISEASES

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BACKGROUND. The presence of a non-electromagnetic components in a laser sources for the first time was predicted by A.E. Akimov in the early nineties and experimentally revealed by A.I. Bobrov in 1996 by influencing helium-neon laser on the electrode system of the current detector on double electrical layer[1]. A.E Akimov insisted that any electromagnetic field contains some non-electromagnetic component. We suggested that this non-electromagnetic component of electromagnetic field may contribute to transmitting any information, for example, specific activities of biologically active substances(BAS) to a suspension of target cells resulting in a characteristic response of cells to the original substance(J.Benveniste et all).

MATERIALS AND METHODS. In our case we used the "device for remote transmission information from medication to human body"(Patent Russia)[2] with the aim to treat a group of patients with different viral diseases. In total, eleven patients with different virus pathology have been observed: five patients with chronic hepatitis C virus infection (CHCV infection), four ones with chronic hepatitis B virus infection(CHBV infection), one patient had Epstein- Barr virus and one patient suffered from cytomegalovirus infection. The pilot observation was conducted at the Out-Patient Department of the Research Institute of Virology under the MoH (Tashkent, Uzbekistan). The study included identification of virus infections with real time polymerase chain reaction (iQ5 Real-Time PCR Detection System-BIO-RAD, USA) to detect RNA/DNA of the viruses and viral load (to quantify virus concentration in blood serum), and ELISA (Ebbot, USA). To evaluate fibrosis of the hepatic tissue fibro-scanning of the liver by ARFI technology (Philips) was applied. The efficiency of the therapy was determined by PCR quantifying the virus in the course of the therapy and fibro-elastography of the liver. The activity of the pathologic process in the liver was evaluated by biochemical tests including: determination of alanin-aminotransferase (ALT), aspartate aminotransferase (AST), gamma-glutamyltransferase (GGT) in blood serum of the patients, as well as the levels of bilirubin and its fractions. The disease diagnosis was verified by clinical and epidemiological findings and ultrasonic diagnostics of the liver. For treatment of patients were used the following medications: Lamivudin(200mg), Daclatasvir (60mg), Sofosbuvir (400mg), Acyclovir (200mg) ibavirin (Copegus) (200mg) in tablets.

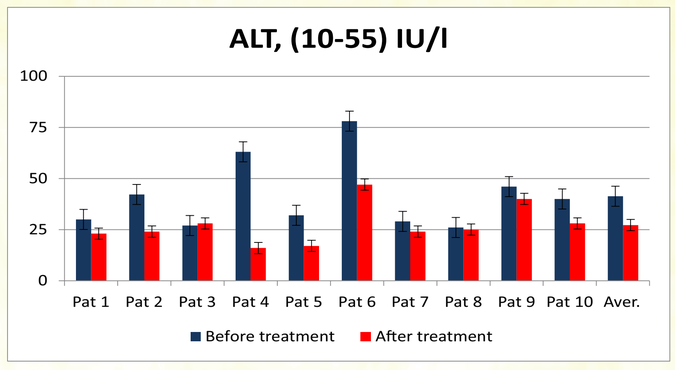
All patients signed the informed consent to participation in the study. The Ethical Committee of the Uzbekistan MoH issued the permission to conduct the study.

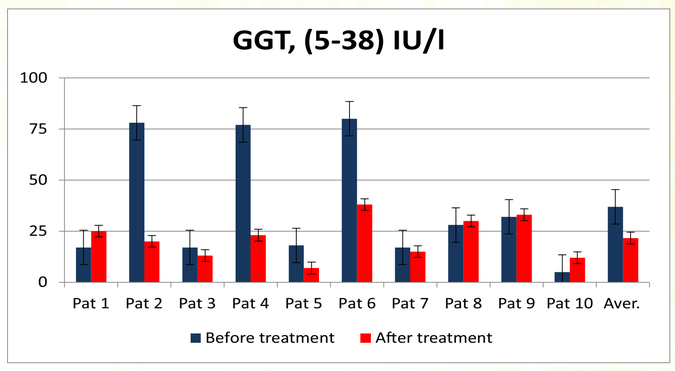
CONCLUSION. The obtained findings suggest that under the influence of non-electromagnetic field formed by "device for remote transmission information form medication to human body", remote transmission of properties of a medication to patient's body occurs. Application of this technology enables to reduce duration of the therapy for CHBV infection and CHCV infection patients, in the latter case till 4 weeks (instead of 12-14 weeks). The method of therapy is safe and has been used to treat patients with chronic viral diseases. In some cases, it results in complete elimination of the virus infection. In patients with a virus pathology of the liver, this therapy leads to improvement of quality of their life and contributes to prevention of development of such terrible complications of chronic viral hepatitis as a cirrhosis and liver cancer.

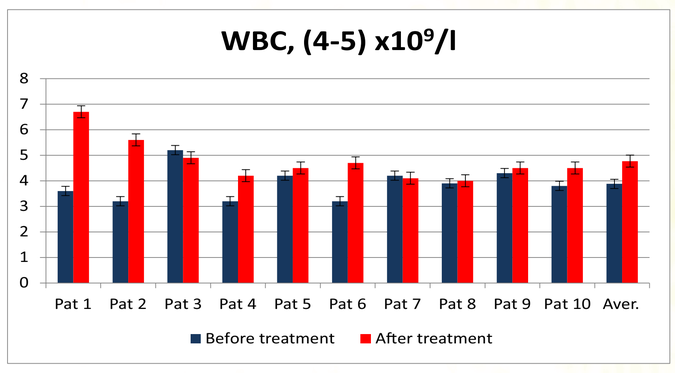
1. Akimov A.E., Tarasenko V.Ya., Shipov G.I. Torsion fields as a space physics factor. Biophysics, 40 (4), 1995, p. 938

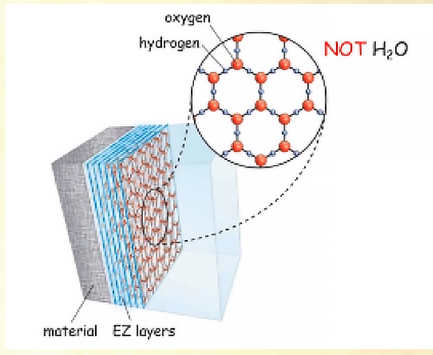
2. The patent of the Russian Federation "The device for remote transmission of information from a medication to a human body", 2163491. 27.02. 2001

http://bd.patent.su/2163000-2163999/pat/servl/servletd9ec.html









The 4th phase of water (J. Pollack)

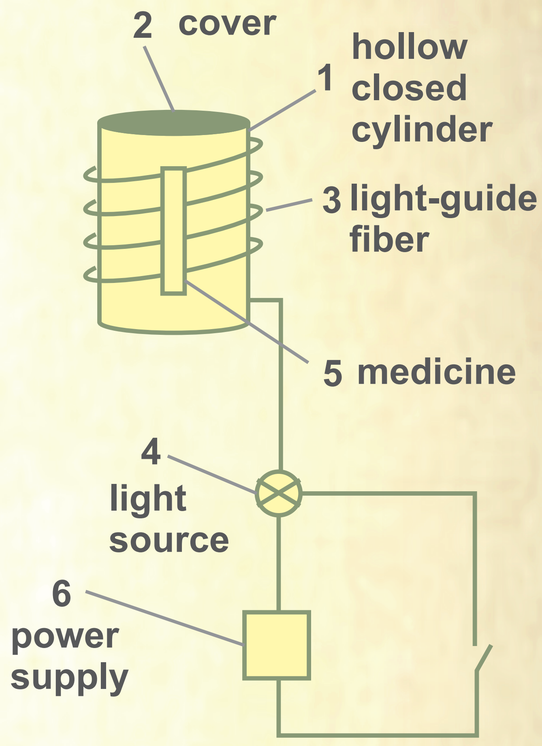
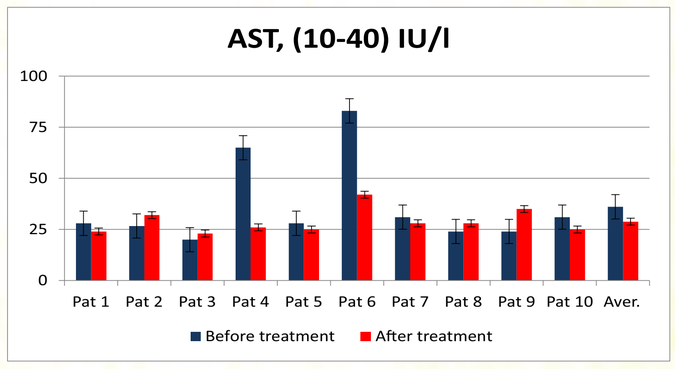
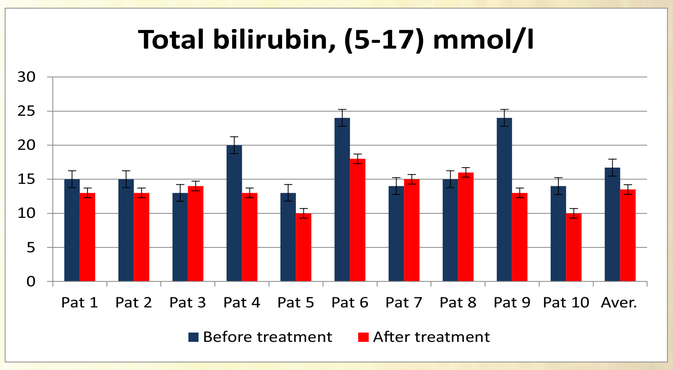
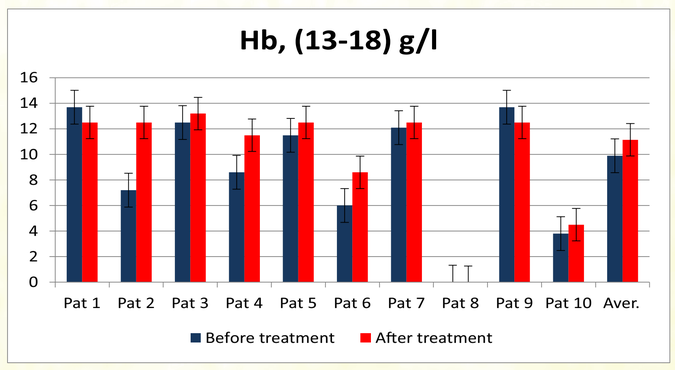
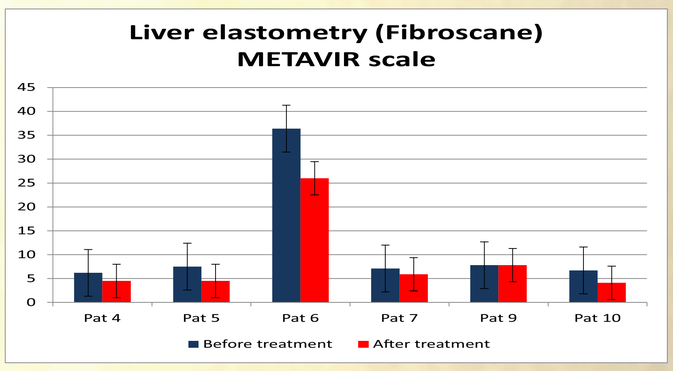


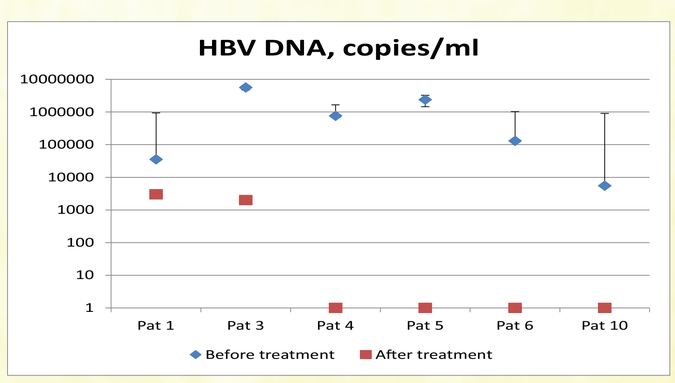
Figure 1 (V. Kaznacheev)

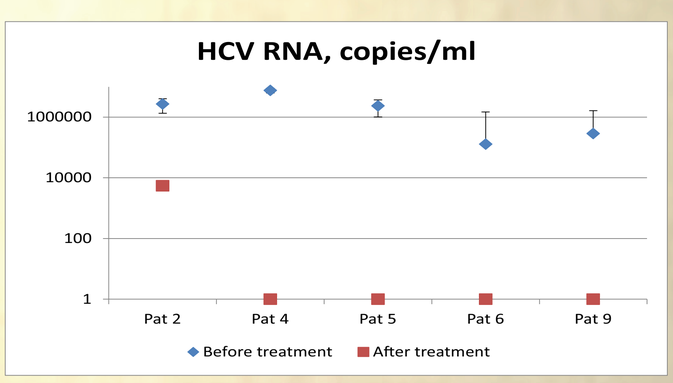


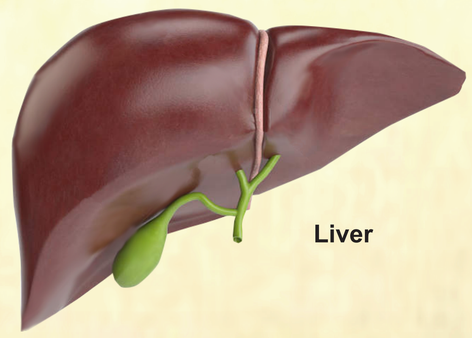




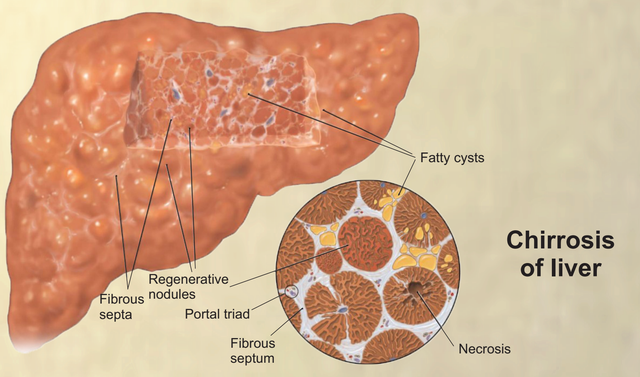








Liver



Chirrosis of liver