

VIRUS FREE LIFE





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TOR is an innovative device for electromagnetic suppression of SARS-CoV-2. The device is a safe, non-invasive, effective solution for simultaneous protection of people against all known coronavirus strains.

The device is a mass-produced product. TOR is designed and produced in Russia by the leading supplier of high-tech solutions - Concern GRANIT JSC.

TOR is an innovative device of people lives and health protection during COVID-19 pandemic.

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## PRINCIPLE OF OPERATION

The patented technology of electromagnetic suppression of pathogens is based on scientific research of the scientists from Concern GRANIT JSC Research Center, as well as on the other Russian and foreign scientists' works in the field of electrodynamics, virology, and also on works by Academician N.D. Devyatkov, recognized as a pioneer of medical electronics.

Innovative method of coronavirus suppression is successfully implemented in TOR device. The principle of its operation is based on a special electromagnetic impulse treatment suppressing SARS-CoV-2. TOR helps to slow down the virus replication process. That gives human body time to build up immune protection and reduces risk of the virus infection.

Therapeutic effect of TOR is reached by its impact on virus in kilohertz, megahertz and gigahertz range with pulses between 100 to 150 Hz with alterable polarization of electromagnetic waves.

The level of radiation generated by the device corresponds to the natural electromagnetic background and it is safe for humans.

As new strain appears, Concern GRANIT JSC specialists "read" emission spectrum of the virus and update the wave exposure parameters for virus deactivation.

Advanced method of electromagnetic suppression of SARS-CoV-2 is implemented in sensor TOR-M, a tiny electromagnetic device for individual protection. It is available in the form of a sleek body-worn device.

Find more about TOR device on the website:

[www.TOR-med.tech](http://www.TOR-med.tech)





## TOR EFFICACY

TOR therapeutic efficacy and safety of electromagnetic impulse method of pandemic control have been confirmed during the execution of special mission of President of Russian Federation V.V. Putin.

Due to clinical trials results TOR device was accepted and declared as medical device for boost elimination of SARS-CoV-2. TOR registered in the State Register of Medical Devices of the Russian Federal Service for Surveillance in Healthcare (№ RZN 2021/15459 on 23.09.2021).

The study was held in medical institutions of Samara State Medical University of Ministry of Health of Russia from December 2020 till April 2021. 236 volunteer patients participated in the study.

Trial participants were male and female patients over 18 years old with a diagnosis of moderate-to-severe coronavirus infection.

The presence of SARS-CoV-2 virus in their body was confirmed by PCR test. The patients were divided into 3 groups according to the study methodology.

All patients, according to the current edition of the "Temporary Manual of the Russian Ministry of Health "Prevention, Diagnosis and Treatment of Coronavirus Infection (COVID-19)" No. 9 dated October 26, 2020, got standard therapy with the recommended treatment regimens.

Patients of the Test group were treated with TOR for 5 or more consecutive days in addition to standard therapy. Treatment scheme with electromagnetic device was for a total duration of 4 hours daily in the mode "15 minutes of exposure + 15 minutes break".

Patients in the Placebo group received the same standard therapy, but the effect of the TOR device was simulated - the device was turned off.

Patients in the Control group received only standard therapy.

Comparative results of TOR effectiveness evaluation of the treatment of COVID-19 have established the reliable advantages of its use:

- acceleration of virus elimination with confirmed improvement of the clinical status of the patient;
- normalization of the rate of respiratory movements;
- increase of blood oxygen saturation;
- level of inflammatory markers decrease.

There are no contraindications to the use of TOR device according to the protocols of clinical trials. There were revealed no negative consequences for human health when using pulsed electromagnetic radiation for treatment of COVID-19.

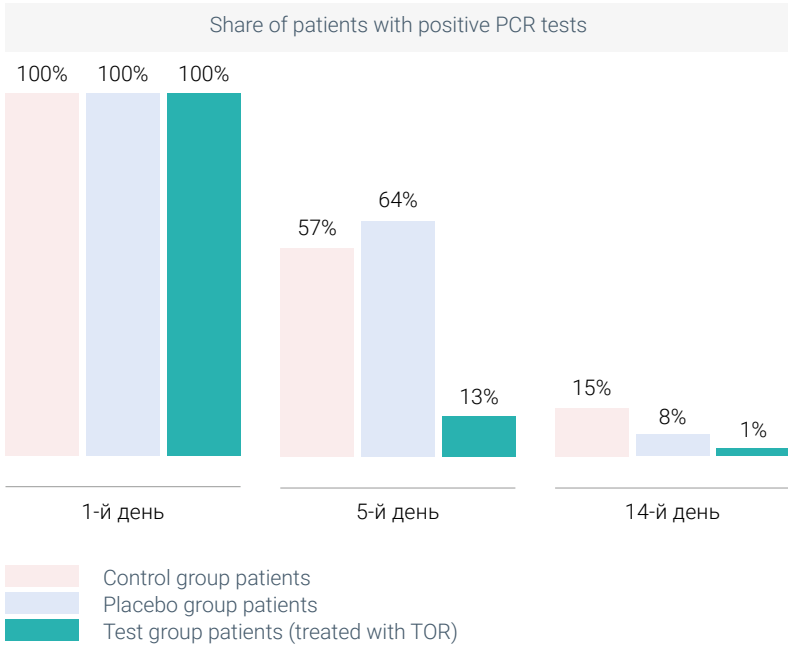
As a result of the study it was found: "The device of noninvasive electromagnetic therapy TOR is safe when used as prescribed; it is effective as an adjuvant (immune response booster) in combination with standard methods of COVID-19 treatment to accelerate the elimination SARS-CoV-2 from the nasopharynx.







## RECOVERY DYNAMIC OF PATIENTS TREATED WITH TOR DEVICE



\* On the basis of the Clinical Trials Evaluation Act of a medical device BEMP941523.001TC

Full description of the trials is available at [www.ClinicalTrials.gov](http://www.ClinicalTrials.gov), the largest international clinical trials registry maintained by the U.S. National Library of Medicine (NLM) at the National Institute of Health.

The information published in this registry is scrutinized for reliability, validity, relevance and legal ownership, as well as for compliance of the research methodology with the strictest international standards.

after 48 hours  
HEART RATE, BLOOD PRESSURE AND BODY TEMPERATURE NORMALIZE

up to 30%  
TOTAL BEDDAYS IN HOSPITAL DECREASE

after 5 days  
87% OF PATIENTS HOSPITALIZED WITH MODERATE COVID-19 HAVE NEGATIVE PCR TESTS

\* According to the "Vladivostok Clinical Hospital № 4 data"

The Expert Council of the "Best for Russia 2021" economic forum recognized the TOR device as the discovery of the year in the "Medicine and Healthcare" category.



## FIELDS OF APPLICATION

The technology of the pulsed electro-magnetic coronavirus suppression is most effective in crowded places. Placing TOR at industrial enterprises, construction sites, cultural facilities, sport events, transport, in educational and business organizations allows to maintain a working rhythm and increase group protection during pandemic.

TOR device increases the efficiency of treatment of COVID-19 patients and reduces the period of patients' stay in medical institutions.

The customers of TOR device are progressive, innovative organizations that really care about the health of their employees, clients or patients.



## PATENTS AND CERTIFICATES



Patent RU2765973 A  
A device for suppression of activity of pathogens and viruses using electromagnetic radiation.



Patent RU2766002 A  
A method for suppressing of activity of pathogens and viruses using electromagnetic radiation.



Certified by Rospotrebnadzor  
Approved for use in administrative, industrial, and residential areas, on vehicles and in open spaces.



FSBI "National Quality Institute" resolution  
Meets the safety, quality and effectiveness requirements for medical devices.



Registered in the State Register of Medical Devices of the Russian Federal Service for Surveillance in Healthcare № RZN 2021/15459.

TOR is intended as an adjuvant in combination with standard methods of COVID-19 treatment. There are no contraindications to the use of TOR device. Possible side effects when using TOR have not been identified.

## SCIENTIFIC PUBLICATIONS



The scientific rationale for the technology used in TOR device is described in the international scientific journal Polymers. The publications are available at: [www.TOR-med.tech](http://www.TOR-med.tech)



## REVIEWS



### RUSSIAN VOLLEYBALL FEDERATION

Regular use of TOR in the epidemiological situation allowed the Russian Volleyball Federation to continue its activities, to prepare Russian national volleyball and beach volleyball teams for participation in international competitions, including Olympic Games 2020, and to decrease significantly the sickness rate among our employees.

**Secretary General**  
A.M. Yaremenko



### MEDALLIANCE CLINIC

I felt the improvement of condition, temperature normalization on the 2nd day. The PCR was negative on the 4th day. I think that is one of the easiest variants of the process. TOR played a role as well in this case.

**Doctor, head of clinic**  
S.A. Obrastsov



### LLC GELIOS

There has been no registered coronavirus infection in our company after installation of TOR and up to now, which cannot be said about the neighboring organizations.

**General Director**  
L.P. Belov



### SERVICE-GASIFICATION LTD

TOR and modern methods of viruses detection in the body allowed to work continuously in difficult epidemiological conditions, as well as to reduce the time of recovery of employees.

**Director**  
M.H. Gilmanov



### LLC PKI

We want to express our gratitude for the device TOR. The use of the device in our office has allowed us to avoid an outbreak of a new coronavirus infection COVID-19 among our staff. The device is reliable, technologically advanced and easy to use.

**General Director**  
A.A. Ermakov

## ABOUT THE MANUFACTURER

Concern GRANIT JSC is Russian leading manufacturer, developer and supplier of telecommunication equipment and information management systems for federal executive authorities and businesses.

The Concern has been implementing scientific solutions for the last 15 years for safeguarding of people and the state. The company has the status of the only supplier of certain products of Russian Federal Security Service. The company's products are used in 83 subjects of the Russian Federation.

Concern GRANIT JSC cooperates effectively with Russian Ministry of Defense, Ministry of Internal Affairs, Rosgvardia, and Russian Ministry of Emergency Situations.

[www.granit-concern.ru](http://www.granit-concern.ru)



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## APPLICATION METHOD AND TECHNICAL SPECIFICATIONS

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TOR device is effective both for therapy and prevention.

The device is designed to work indoors and outdoors. TOR is easy to use, easy to install and set up. It can be easily moved to a new location.

- Treatment effective range: 230 m
- Coverage: 10 000 m<sup>2</sup>
- Operating temperature range: - 20 °C to + 40 °C
- Dimensions: 205x185x432 mm
- Works at standard voltage 220V. Power consumption: 80 W
- Weight: 8.5 kg



TOR is mounted on a tripod or fixed on brackets. In open space the device must be sheltered from atmospheric precipitations.



MANUFACTURER:



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[www.TOR-med.tech](http://www.TOR-med.tech)

The information is intended for medical and other organizations, as well as individual entrepreneurs with a license to carry out medical activities. It is necessary to read the instruction. № 1/2022