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# Medical Treatment Method of “Bio-robotic Resonance and Thermodynamical Interaction” with Analogy of “Frequency – Resonance Setting Formation” on the Application of “Algorithm for Smart Drugs Controlled by a Bio-robotic System” developed for the “Treatment of Covid-19, Coronavirus and Virus Infections”

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## Abstract

This study introduces a unique and useful method developed for the medical treatment of the Covid-19, coronavirus and other virus diseases by applying a “Bio-robotic Resonance and Thermo dynamical Interaction” with Analogy of “Frequency – Resonance Setting Formation on the Application of “Algorithm for Smart Drugs Controlled by a Bio-robotic System”. By this methodology, it is assumed that the frequency curves for both coronavirus RNA configuration and the drug algorithm are sinusoidal waves. In that case, when the frequency modulation interval of drug algorithm created by a bio-robotic system is overlapped and superposed with the frequency change interval of virus structural RNA configuration, the activation of the virus may be destroyed similar to energy dissipation generated by two sinusoidal waves which exterminate and cancel each other.

Thanks to the thermodynamical interaction between the virus and the drug realized through the borders of open cell system, the operating mechanism of virus RNA structure shall be broken. Therefore, at least the negative effects of the viruses can be slow down and the immune system can take the body control again, so the treatment of the patient change for the better. If this unique useful medical treatment method is regarded as a great team work explained here and after having put into medical treatment practice successfully, it is obviously clear that a considerable amount of contribution for the coronavirus treatment can be provided and the all humankind can get benefit for their health and lives.

**Keywords:** Coronavirus; Covid-19; Virus; Bio-robotic; Smart Drug; Frequency; Resonance; Analogy; Thermodynamical Interaction; Medical Thermodynamics; Bioprocess; Energy Transfer; Mass Transfer; Medical Technique; Medical Engineering; Bioengineering

## Introduction

As it is known, Covid-19 and the other Coronaviruses are structural RNA viruses and it is assumed that they are changing RNA configuration and permutation continuously. Due to this endless structural RNA dynamism, the drugs cannot deactivate the virus. If we make an analogy which is as follows: let us consider a radio transmitter station which changes its broadcasting frequency continuously, in such a case the signal receiver can respond the particular changes of broadcasting frequency and it may be possible to catch the required frequency in order to listen to the broadcasting. However, if the radio transmitter changes its broadcasting frequency very often, it shall not be possible to listen

to the broadcasting, due to the fact that; if the rate of change for radio transmitter frequency is greater than the capturing ability of frequency modulation of receiver system, it shall not be possible to listen to the radio broadcasting. We can make an assumption that the coronaviruses behave as if they are a radio transmitter station which are changing RNA configuration and permutation continuously and therefore we can also make another assumption that the drugs used for deactivating the viruses behave as if they are radio receiver systems. Therefore, it may be possible to build an analogy between the binary systems of “coronavirus-drug” and “radio transmitter and receiver”. By this study, it is aimed to develop a methodology in order to eliminate the pathogen

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effects of coronavirus and to treat the patients carrying the virus and to rehabilitate them. This methodology is briefly named as “Medical Treatment Method of “Bio-robotic Resonance and Thermodynamical Interaction” [1,2].

### Method, Findings and Discussion

By regarding the aforementioned analogy; we can consider a smart drug having a regular operating algorithm and controlled externally by a bio-robotic system. The coronaviruses shall absolutely use a regular frequency interval while they are changing their structural RNA configuration and permutation, and, if the frequency changing interval which is externally created by bio-robotic system for smart drug algorithm can capture the changing frequency of structural RNA configuration, the virus may be deactivated, so the negative influence of virus shall be eliminated. Therefore, how the virus so ever change its form and structure, if the changing frequency of structural RNA configuration can be captured; the frequency of drug algorithm may be overlapped and therefore superposed with the frequency of virus RNA structure. So, a “Resonance” situation can be created.

It is assumed that the frequency curves for both coronavirus RNA configuration and the drug algorithm are sinusoidal waves. In that case, when the frequency modulation interval of drug algorithm created by bio-robotic system is overlapped and superposed with the frequency change interval of virus structural RNA configuration, the activation of the virus may be destroyed similar to an energy dissipation generated by two sinusoidal waves which exterminate and cancel each other [3-5].

On the other hand, the second dimension of our subject is related with the energy interaction. The smart drug controlled by a bio-robotic system shall provide a thermodynamical interaction when it encounters the Covid-19 virus within a body cell, and, an energy transfer and mass interchange shall occur between the drug and virus.

The body cell can be assumed as an open thermodynamic system which allows the transfer of energy and mass across the borders of body cell. The aforementioned energy transfer and mass interchange shall happens as a bioprocess which provide a counterbalance between the virus RNA configuration change frequency and the drug algorithm modulation frequency as if a thermodynamical process balance is maintained between two systems. Such kind of interaction may be examined within the subject of medical thermodynamics and structural cell thermodynamics. Assuming that a self-vibration frequency rate exists due to the specific structure of virus RNA configuration, the frequency modulation ability of the smart drug externally sent into the cell for providing a treatment, shall capture the self-vibration frequency rate of structural RNA configuration, and therefore the drug frequency modulation created externally shall overlap and superpose with the virus self-vibration frequency rate and two sinusoidal frequency wave curves shall absorb each other. By means of this interaction, the pathogen effect of the virus shall be removed and the patient would be treated. In fact, thanks to the thermodynamical interaction between the virus and drug realized through the borders of open cell system, the operating mechanism of virus RNA structure shall be broken. Therefore, at least the negative effects of the viruses can be slow

down and the immune system can take the body control again, so the treatment of the patient change for the better.

The method to be developed by this study can be named as Medical Treatment Method of “Bio-robotic Resonance and Thermodynamical Interaction” with Analogy of “Frequency – Resonance Setting Formation” on the Application of “Algorithm for Smart Drugs Controlled by a Bio-robotic System” developed for the “Treatment of Covid-19, Coronavirus and Virus Infections” since this methodology treats the coronavirus disease by providing mainly a frequency resonance, thermodynamical interaction, energy and mass transfer bioprocesses, respectively. It is possible to say that this treatment methodology can be developed as a unique medical technique and can also be considered within the applications of medical engineering, bioengineering. The same methodology to be applied for the Covid-19 and coronaviruses can also be applied for the treatment of other kinds of viruses. Therefore, the Medical Treatment Method of “Bio-robotic Resonance and Thermodynamical Interaction” can be used for the treatment of all kind viruses and so, this method may have a very wide range of medical application scope.

### Conclusion

Finally, it is also possible to say that this treatment method must be regarded as serious and must also be considered with an interdisciplinary approach. An interdisciplinary team consisting of medical doctors, mechanical engineers, electric-electronic engineers, computer engineers, energy systems engineers, system engineers, biomedical - bioengineers, physics engineers, pharmaceuticals, the specialists of chemistry, chemical engineering, mathematics, biology, molecular biology-genetics, bio-robotics, nano-robotics and similar related branches can be composed having a total people of around 25 scientists and every of them can research and develop their specific professional branch parts within the scope of this methodology , and then , they join the parts together as a whole in order to apply it to treat the patients suffering from the coronavirus disease. If this unique useful medical treatment method is regarded as a great team work explained here and after having it put into medical treatment practice successfully, it is obviously clear that a considerable amount of contribution for the coronavirus treatment can be provided and the all the humankind can get benefit for their

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