

December 2020

The CoV-2 Virus and Electromagnetic Radiation
Perspective of a practitioner of Traditional Japanese Medicine

(translated from French)

For the longest period of time, systems of medicine around the world focused on practices that enabled those who heal to understand the health struggle of their patients in human terms; that is, as the struggle of human beings more than just problems concerning the physical body. Likewise, healers were trained to develop to the fullest extent possible their senses as human beings, and to apply those senses in intervening in the patient's struggle.

Even if these practices have become rare today, they have not completely disappeared. Pulse diagnosis in Traditional Japanese Medicine is one such practice, and it is the principal tool that I employ to understand a patient's condition.

Working this way, practitioners of traditional medicine need not concern themselves with the details of what transpires at the physical level, even if those considerations may be accepted as true. Diagnosis and treatment take place at another level, and constitute within themselves a complete system. It may nevertheless be interesting for a traditional practitioner to reflect on the physical terms of a disease for the purpose of communicating about it with specialists of modern medicine. And in the case of Covid-19, this seems like a particularly good idea considering the extent and the danger of the pandemic.

* * *

It is known that a virus contains information, in the form of DNA or RNA, enveloped in a protein coat that enables the dissemination of this information. Once information is organized in some given way, it must be considered as "intelligence." In fact, when traditional practitioners place their hands on the pulse of a patient infected by a virus, we can feel in the inflammatory condition caused by the virus the force of its intention, and the objective of this intention is to pull events towards a specific goal. We have unconditional respect for this intention. We know it to be the manifestation of the intelligence of a living being striving naturally to perpetuate its existence, and having the right to exist as much as ourselves.

Our goal, along with protecting the patient, is to listen to the message carried by this source of intelligence in order to find a mutual solution enabling the continuation of our shared existence. As a result, all parties may evolve in a positive way. Together.

I propose below an analysis of the biological and microbiological mechanisms involving the CoV-2 virus, from the perspective of my experience as a practitioner of traditional Japanese medicine. In trying to come to the understanding of a given situation, two approaches exist: In one, we develop a relationship to the situation such that we experience its meaning directly, in its entirety, then we can ask ourselves, "Ok, now how does it work?" and try breaking the situation down into individual observations. Or, facing an unknown situation we can start by asking ourselves, "Ok, how does it work?" and then try to build up to an understanding of the situation in its entirety from individual observations.

Pulse diagnosis in traditional medicine is of the first approach: the hypotheses presented below are based on thirty-five years of practice in traditional Japanese medicine and on my experience with Covid-19. Microbiological terms and factors are nonetheless taken into consideration, and since

breaking down what is felt and understood on a "human" level into physical and mechanical terms is a long stretch, this incurs a certain risk. However, if this translation can contribute to a more complete understanding of the virus and help colleagues in the world of modern medicine to open new avenues of thought and to discover deeper possibilities of cure, then the risk will have proven to be worthwhile.

A CELLULAR PROCESS DEVIATED BY MICROWAVE RADIATION

Natural radiation is an important element in our environment, existing since the beginning of time and playing a role in everything from genetic evolution all the way back to the origins of life. Bats are creatures that are highly sensitive to radiation, whether that be their necessity to shelter themselves from the strong radiation of the sun during the day or the positive use of sound waves through echolocation to navigate at night and hunt for food.

Many changes can take place in the environment of a living being that present a challenge to its survival. Changes in natural radiation act slowly and over long periods of time and, as such, have effects that may gradually be integrated into cell functioning without creating great disturbance. Changes caused by the radiation of modern technology, however, take place at such an accelerated pace that cellular mechanisms may be overwhelmed and adaptation to these changes can be difficult if not impossible.

This is what is likely to have happened in Wuhan, China in the winter of 2019 with the abrupt deployment of the extensive microwave radiofrequency network known as "5G". I describe below how this situation can help us to understand the role of electromagnetic radiation in the outbreak of Covid-19 and I propose a second hypothesis describing the possibility that certain coronaviruses may be produced within the body of the bat itself, provoked by such environmental changes.

* * *

In order for a bat to be able to decipher its environment using echolocation, it must succeed in interpreting waves reflected back to it during that process. If the bat's environment changes due to migration, for example, it must readjust to new external wave fields, and their potential interference, to be able to continue to understand its array of incoming waves. Years of experience treating animals and observing their behavior alongside my clinical work with patients, leads me to believe that this adaptation happens through a type of resonating process. Inside its brain, the bat must learn to identify and "accept" the new waves as "home," as belonging to its "natural" environment. It allows itself to resonate with these waves, and memorizes them. Once the vibration is registered internally this way, the bat can choose to ignore these waves; in other words it can treat them as a stable background element within its environment, and separate them in its mind from waves more immediately pertinent to its survival.

The effects on a microbiological level of changes in the environmental radiation of a bat must involve its chromosomes and their regulation of protein formation. Cell chromosomes possess characteristics of electronic conduction and self symmetry that may allow them to serve as "antennae" for receiving and propelling the waves that constitute radiation¹, and considering their heightened sensitivity to radiation it follows that bat chromosomes, or at least those genes within the chromosomes whose role it is to react to radiation, must be particularly affected by it. The chromosomal regulation of protein formation involving the diverse chemical mechanisms active within the cell must likewise be affected.

¹ The interaction of chromosomes and other cellular molecules with wave fields is the subject of numerous studies. This article deals directly with the antenna-like properties of chromosomes: *DNA Is a Fractal Antenna in Electromagnetic Fields*, Blank M, Goodman R. Int J Radiat Biol. 2011 Apr;87(4):409-15

PULSE DIAGNOSIS, AND THE CELLULAR CHANGES PROVOKING THE CREATION OF A VIRUS

The terms in traditional pulse diagnosis for describing the type of pulse that I encounter with patients seeking care but not yet presenting acute symptoms of Covid-19 are what any human being could feel as: "rapid," "hot" and "floating or raised" : like a taught wire with an exceptionally forceful current passing through it. Through other pulse factors and certain associated symptomatic complaints, the physical condition of the patient can be interpreted as a state of excessive and perpetuated stimulation involving the inner (epithelial) lining of lung tissue. These observations line up perfectly with current analyses describing acute inflammation along the surface membranes of pulmonary alveolar cells.

Based on this pulse information and various patient accounts, I hypothesize that at the cellular level this state of excessive excitation be the expression of the concurrent manifestation of two immuno-destabilizing events: (1) a viral infection of the alveolar membrane, and (2) a direct suppression of the action of the neurotransmitter acetylcholine. It is in the synapse between the alveoli and the vagus nerve that the parasympathetic anti-inflammatory functions of this nerve would be disabled. If this hypothesis is correct, it is reasonable to assume that the molecule responsible for this inhibitory effect would have properties very similar to acetylcholinesterase, or is the molecule itself.

The reasons for the appearance of such a virus in human beings, and for the production of an acetylcholine inhibiting molecule, could be traced back to cellular changes taking place in the vagus nerve of bats in Wuhan China caused by the abrupt installation of the 5G radiofrequency network. Here are the biological and microbiological arguments that I propose in support of this hypothesis:

In confronting its environment and resonating with external wave fields, as discussed above, a bat must distinguish between those waves that form a part of its natural environment and thus do not require a specific action, and those waves that represent a significant change and may require an action important for its survival. The biochemical changes inherent in this process of interpretation likely occur in cell bodies of the vagus nerve located within the medulla of the bat's brain. In the case in which the bat does not interpret its environment as requiring an action, the vagus nerve would continue its normal functioning and a gene that codes for the production of acetylcholine would operate at appropriate levels. In the case where the bat encounters an external change interpreted as significant, then the expression of a gene that codes for the production of an acetylcholine-suppressive molecule would take dominance over the expression of the gene for acetylcholine. This balance within the cell bodies of the vagus nerve, influenced in this case by the bat's interpretation of environmental wave fields, would determine the degree to which the restful and anti-inflammatory parasympathetic properties of the vagus nerve operate.

When the parasympathetic effects of the nerve are impeded by the inhibition of acetylcholine, the bat finds itself in a state of "stress." It would seek to resolve this tension, and would do so by eating. This would result in chemical changes within the vagus nerve cells that permit acetylcholine to regain dominance.

However, when the change in environmental wave fields is caused by microwave radiation, as in the Wuhan case, the intense energy of these waves must overwhelm the bat's capacity to adapt. Readjusting to such waves must be difficult and the time necessary for the bat to learn to resonate with them must be very long, and during this period it would be in a state of perpetual overproduction of the acetylcholine inhibitor. Therefore, in addition to diminishing parasympathetic anti-inflammatory capacity - the second of the two immuno-destabilizing events mentioned above - the unrelenting demand for this molecule would eventually exhaust the productive capacity of the responsible gene.

As a second part of my hypothesis, I propose to consider that this situation may lead to a dramatic event involving the functioning of RNA in the expression of the gene. As the cell is no longer capable to meet its need for the inhibitory molecule, the role of the RNA makes a critical shift: instead of functioning simply as a mRNA in the production of this molecule to be sent across the synapse to the site of acetylcholine activity on the alveolar membrane to interfere with the action of acetylcholine,

the RNA serves as a genome in penetrating the alveolar cell at this same site and replicating therein. This would allow it to rapidly increase its number by taking advantage of the highly favorable reproductive environment of this epithelial tissue. In order to do this, the RNA would be enveloped in a protein coat, in coordination with the bat's immune system, and be transferred itself to this site to bind there.

Whether the RNA in question is that produced in response to the new electromagnetic fields, or whether it be viral RNA historically present in the bat and likely produced by similar abrupt environmental changes, herein can be found a possible explanation for the origin of the SARS-CoV-2 virus - and the first of the two immuno-destabilizing events mentioned above.

THE VIRUS IN THE BAT

In this hypothesis, from the alveolar epithelial cells and much in the same manner as other neurotropic viruses such as herpes simplex, the virus could return to the vagus nerve, bind to it, and re-enter the cell. It is in releasing its genetic material there, then, the supply of RNA necessary for the production of the inhibitory molecule would meet the increasing demand.

Furthermore, in addition to causing the two immuno-destabilizing events mentioned above, the microwave radiation could provoke exceptionally powerful changes in cell mechanisms due to its intensity and probable "pulsed" quality². An example would be the formation of uncommonly large spike proteins on the surface of the virus that would lead to more efficient and more virulent binding with the alveolar cell³.

The end result: the alveolar cells are rendered incapable of benefiting from the anti-inflammatory properties of the vagus nerve during the crucial moment of the virulent binding of this virus to the cell.

This would create an overwhelming "stress" reaction. Yet this event would not necessarily be negative for the bat! Until it succeeds in adapting to the new waves, its need to reactivate the vagus nerve and thus resolve this state of stress would guide it to eat sugar. And since its need for sugar in this case is desperate, the bat would eat fruits, sucking the sugary juice out of its pulp and then spitting out the pulp. In this way, not only does the bat overcome its stress, but it also manages to feed itself.⁴

The pulp having been spit out, however, may then be eaten by an unsuspecting animal on the ground, who would consequently receive the virus through the bat's saliva in the pulp. Further on, by consuming the meat of this animal, or otherwise being in contact with its flesh, the virus can be passed to human beings. It is apparently not certain that the virus can be transmitted directly from bats to humans, but once having developed within the body of an intermediate animal, it is likely to

² Balmori A. (2009). Electromagnetic pollution from phone masts. Effects on wildlife. Pathophysiology : the official journal of the International Society for Pathophysiology. [Retrieved from https://www.researchgate.net/publication/24180316_Electromagnetic_pollution_from_phone_masts_Effects_on_wild_life/citation/download] Il écrit, "Modulated and pulsed radiofrequencies seem to be more effective in producing [biological] effects. Pulsed waves (in blasts), as well as certain low frequency modulations exert greater biological activity. This observation is important because cell phone radiation is pulsed microwave radiation modulated at low frequencies."

³ Khan, M. (2020). Gauss' Divergence Theorem Explains the Spike (S) Protein Characteristics and Possible Germination of SARS-CoV and SARS-CoV-2 Viruses. [Retrieved from https://www.researchgate.net/publication/340128696_Gauss'_Divergence_Theorem_Explains_the_Spike_S_Protein_Characteristics_and_Possible_Germination_of_SARS-CoV_and_SARS-CoV-2_Viruses] Khan M., independent researcher, writes "... When sufficient radiation from a very high-intensity, narrow beam is absorbed by a nature-assisted coronavirus, we believe it could develop many long spikes with broad petals as seen in SARS-CoV-2 virus configuration."

⁴ We might consider that bats eat out of "compulsion" in such a case, more than from a positive attraction to food. Could that be the reason for the frightening and anxiety-filled ways bats are often depicted in literature and the arts?

have been modified in such a way as to facilitate its transfer to humans⁵. What is certain, on the other hand, is that the event is likely to be more negative for the person infected than it was for the bat.

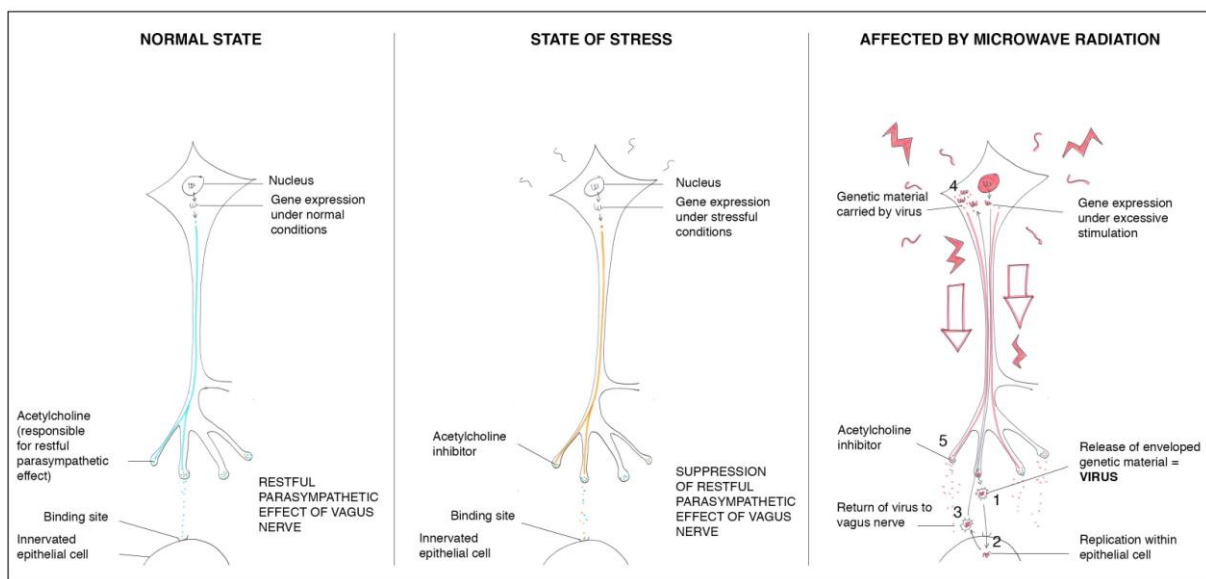


Fig 1. Vagus nerve of the bat

FROM BATS TO HUMANS

Once infected, a person must be able to overcome the virulent inflammatory reaction caused by the virus. If unable to do so due to factors such as age, immuno-deficiency, or others, the inflammation leads to the edematous condition that characterizes pneumonia, as has been seen in acute cases of Covid-19.

In returning to my experience with non-acute cases, it is the "rapid-hot-raised" condition of the patient's pulse along with associated symptoms, as mentioned above, that led me to the conclusion that the exceptional danger of the infection is due to a twofold challenge: the inflammation caused by the virus, and a decrease in the anti-inflammatory properties of the vagus nerve. Not only does the virus occupy the site where the anti-inflammatory action of acetylcholine could otherwise have operated, but there is also another factor that can markedly aggravate the inflammatory process: the patient may allow certain artificial electromagnetic fields to affect him/her and cause a decrease in his/her anti-inflammatory capacity as in the case of the bat.

In other words, if the time needed to overcome the acute phase of the infection is long, then a certain degree of viral replication will have taken place in the patient's alveolar tissue. A number of viruses may then return to the vagus nerve and release their genes there, as seen with other neurotropic viruses. By allowing his/her body to resonate with the waves that stimulate these genes and their biochemical mechanisms (further explained below), and depending on his sensitivity to the waves, the patient could him/herself cause an overproduction of the inhibitory molecule and thus contribute, along with the virus, to the interference of acetylcholine in the synapse. This will cause a dramatic intensification of the inflammatory process.

The patient's receptivity to certain waves would therefore be a key element in the aggravation of the infection. It could come from the patient's nervous/psychological temperament, but may also be a simple question of focused attention. Let's take, for example, our relationship with sounds in our environment. Sounds are a form of radiation, and we constantly sort through different sounds to

⁵ Brugère-Picoux, J (2020). Covid-19 : Origine de la zoonose et modes de contamination. [Retrieved from : <http://www.fondation-droit-animal.org/105-covid-19-origine-animale-et-modes-de-contamination>]

focus our attention on certain ones; for example, a piece of music that we find pleasing. Then, being affected by these sounds, we may allow our bodies to oscillate in response – dancing to the music would be a simple example of this. From that moment on, we can consider that the waves have an impact on our bodies.

It is important to understand that a number of waves of different radiofrequencies in the patient's environment would have the ability to make the gene carried by the virus react and stimulate its production of the inhibitory molecule. Despite the fact that the bat was exposed to the microwave frequencies of Wuhan's 5G network, and that these frequencies interact directly with the gene, the bat's adaptation to the waves certainly corresponds to a wider range of frequencies than those created by this network. Bats are not laboratory microbiologists! This is one of the reasons why the epidemic spread rapidly in many countries, such as France, before the 5G network was fully deployed.

Living beings are naturally attracted to sources of stimulation and, as such, patients are drawn towards the waves that stimulate the activity of the gene carried by the virus. At the time of this interaction, the effect of the resonance of these waves can be intensified by other factors. I have observed, with certain pulses, the following influences:

- A quality which could indicate an abnormally high presence of heavy metals in body tissues. Coming from environmental pollution, dental work, vaccinations and other synthetic drugs, these metals could amplify by their conductivity the resonance effects that the waves have on the cells.
- The telluric nature of certain geographical areas (i.e. the type of natural ground radiation in Wuhan or northern Italy, for example) must similarly be taken into account. It may also contribute to an increase in resonance effects.
- A decrease in the functioning of the respiratory system and its resistance to infection caused by lower seasonal temperatures or the lower temperatures of workplaces such as slaughterhouses.
- Finally, certain lifestyle habits, such as regular exposure to the wave fields of radiofrequency emitting devices (computer screens, smartphones, wifi, connected objects, etc.), probably generate a higher tendency that a person focuses his/her attention on certain types of waves.

In the worst case, a large number of viral genes will have returned to the vagus nerve. This is what makes the infection exceptionally dangerous: the more that the RNA produced under the effect of radiation is present in the cell, the more the patient's attention is drawn to the radiation that stimulates its activity, and, conversely, the more the patient's attention is drawn to this radiation, the more it increases the activity of this RNA and attracts his/her attention. A vicious circle ensues which leads to an uncontrollable acceleration of the inflammatory process. The infection becomes fatal.

It was in response to the overwhelming stress caused by the microwave radiation, that the bat consumes sugar to permit acetylcholine to regain dominance. But human beings cannot allow themselves such a solution. The amount of sugar needed for a person to achieve this effect would be prohibitively high, and the diabetic or obese conditions thus created would become the crowning factors in the degradation of the parasympathetic capacity of the vagus nerve!⁶

On the other hand, the waves that the patient manages to ignore cannot have this impact on him/her. By turning his/her attention away from these waves, by treating them as a secondary element within his/her environment as the bat tries to do during the period of its compulsive sugar consumption, the severity of the infection at this stage is diminished.

⁶ Due to the pandemic nature of obesity in today's world, a very large number of studies exist concerning its effects on the nervous system. For example :

Claudino Rossi R. (2015). Impact of obesity on autonomic modulation, heart rate and blood pressure in obese young people. *Autonomic Neuroscience: Basic and Clinical* 193(2015): 138–141.

Phillipe D. O'Brien, Lucy M. Hinder, Brian C. Callaghan, Eva L. Feldman, *Lancet Neurol.* (2017). Neurological Consequences of Obesity. 16(6): 465–477.

It is inevitable, moreover, that during the period in which the gene responsible for the acetylcholine inhibitor remains active, parasympathetic anti-inflammatory functioning within the digestive and cardiovascular systems (among others) will be diminished, along with accompanying symptoms.

NOTE: According to the hypothesis presented above, if the site of activity of the replicated virus gene after re-entry into the vagus nerve is the cytoplasm of the cell nucleus, then it stands to reason that the development of latency therein remains a strong possibility. The effects of the virus would then persist chronically.

IN CONCLUSION

More and more people today refuse to believe that a virus is a toxic or evil enemy, and do not accept that the solution to the difficulties it may present to human beings be simply its destruction. Modern molecular science has become the dominant valid language for communicating about human health, the health of other living beings and the health of our planet. However, a great amount of knowledge concerning health and healing is inaccessible without other means of interpreting the world. When a human being reads the pulse of another human being and intervenes in his situation as a human being, he is like a potter in front of his mound of clay – analytical thinking comes to a stop. Nevertheless, I have chosen to propose herein a model for analyzing SARS-CoV-2 by translating what I understand about its origins and effects from a hands-on experiential perspective to the language of molecular science. I have done this as a practitioner of traditional medicine with the aim of making heard, in the dominant language, vital information concerning broader chains of causality that are only apparent through the direct experience of a human being.

It is my firm belief that even if a drug is discovered that can halt the infectious cycle caused by this virus, if the root causes behind the appearance of the virus and the factors that aggravate its effects are not correctly taken into consideration, then our encroachment into our natural environment with tools and materials whose consequences on living organisms we do not understand will end in repeated health crises similar to Covid-19.