

The Importance of Magnetism in Understanding the Impact of the Corona Virus

Anna C.M. Backerra*

Stichting de Schat, Deventer, The Netherlands

ABSTRACT

Twin physics is a theoretical tool used to describe phenomena in a complementary way, based upon results of quantum mechanics, the uncertainty principle of Heisenberg and relativity theory of Einstein. A special feature of it is, that finite magnetic fields can be described, surrounding electrons or molecules. This tool is transformed into the twin model, which is suitable for application to human beings. In this view, each function of the body, excluding the brain, switches between two complementary phases, which are in general expressed as the straight and the magical image. The first is characterized by a concentrated use of energy and the second by a diverged use of energy. The brain reflects only the straight image in keeping control over the body; the spirit is its complement, being a magnetic presence of the human being, produced by electric activities of the brain, so the spirit reflects only the magical image. The brain and spirit communicate with each other by switching from one to the other in each of their functions. To stay healthy, a human being needs an overall balance in the switching of all functions of body, mind and spirit together. If this gets out of balance, it may be compensated to a limited extent by intensifying other functions. The corona virus reflects only the magical image, manifesting itself by its extremely easy spreading and unpredictable behavior. It seems that susceptibility for the virus results from a permanently disturbed balance between mind and spirit, in favor of the mind. This is stimulated, among other things, by the use of the computer, offering no possibilities to transfer magnetic information and so excluding the spirit of interaction between people. The resulting need for more magical influences offers a breeding ground to the virus. The twin model explains why children do not become ill from the virus, why more men than women are dying, why obesity is a severe risk and possibly why older people in some countries have a higher risk of becoming infected than elsewhere. Statistical information confirms this, as far as this is available. By considering the virus from the perspective of twin physics, the contagiousness seems to be caused by its unique electric features. After infection this is transformed into a strong magnetic presence and coupled to a shortage in the development of the spirit.

Keywords: Corona virus; Magnetic influences; Contagiousness; Children; Obesity; Twin physics; Twin model; Complementarity

INTRODUCTION

Since the corona virus affects the health of many people all over the world, the thought arises that something is going wrong in global sense. In the upcoming discussions, on the search for ways to get this pandemic under control, information from all scientific disciplines could be useful. This paper offers a contribution by considering the problem in the light of a historical development in physics and based upon that, a new physical model.

We will start with the laws of Newton, published in 1687. They changed the view of life drastically, not only in physics but in

society as a whole, as it seemed that they would bring life under control. There was a large need for this, because people suffered from plagues, diseases, failed harvest and so on. Not only did physics developed at break-neck speed, but this success also boosted the publication of reference books, dictionaries and other ways of getting more control.

If one thing is certain, it is that we have lost control since the outbreak of this virus. There is no medicine or vaccine, we cannot calculate how long peaks will last, we don't know why some groups of people are more severe affected than others and future attacks cannot be predicted.

Correspondence to: Anna C.M. Backerra, Theoretical Physicist, Stichting de Schat, Gualtherus Sylvanusstraat 2, 7412DM Deventer, The Netherlands, Telephone: +31633993636; E-mail: annabackerra@gmail.com

Received: May 16, 2020; **Accepted:** June 25, 2020; **Published:** July 02, 2020

Citation: Backerra ACM (2020) The Importance of Magnetism in Understanding the Impact of the Corona Virus. J Nanomedicine Biotherapeutic Discov 10:166. doi: 10.35248/2155-983X.10.166

Copyright: © 2020 Backerra ACM. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

There is another period in history that is characterized by the loss of control, not manifested by a disease, but by a severe shock rippling through the entire scientific community. In 1927, quantum mechanical experiments showed that elementary particles were able to behave in an uncontrollable and uncertain way. This went beyond the laws of Newton.

At the time, suitable mathematics to describe uncertainty was not available, so instead, probability theory was used, sidetracking the concept of uncertainty for the time being. However, in other disciplines many people were inspired by this result and reacted to it in various ways, like for instance Gary Zukav [1], the physicist Fritjof Capra [2], and the avant-garde composer John Cage [3]. Although this raised the interest in philosophy and the Eastern way of living, it did not bring useful new tools for scientific use.

After Heisenberg took the first step by describing uncertainty on an atomic level [4], in each new generation a few physicists continued the research for dealing with uncertainty. Although Einstein did not believe in the existence of uncertainty as an independent principle in physics, he published suggestions for a future rethinking of physics [5], as quantum mechanics was not compatible with relativity theory.

Step by step more insight was obtained and all these combined efforts provided a basis to construct a new way of describing phenomena, which we called complementary language. Applying this to physics, we obtained twin physics, describing an intermingled occurrence of certainty and uncertainty in all phenomena. It turned out that elementary particles and the forces of nature could be described with it [6-8]. Later, the first steps could be taken in new areas like nanophysics [9,10].

In the past the awareness of certainty and control has had such a big influence on all of society, that this successful new development might also be important to develop important insights into the corona virus. For this purpose, we will try to transform twin physics into a comparable model for human beings, although this can never be a complete description as in principle physics in point of fact only describes natural phenomena, not living things.

First, we will explain the basics of twin physics in the most popular way. Next, we will explain why results in physics might be useful in considering health problems. Then we will step from twin physics to the twin model, which is more suitable for application to human beings. Finally, the corona virus is considered in the newly offered view.

LINK WITH THE HISTORY OF PHYSICS

Originally physics was a science of observing all phenomena, including those which could not be measured. This changed by the publication of the laws of Newton, based upon the idea that the universe could be considered as an infinite, empty space with point particles inside it (masses, occupying no space). The success in getting control over physical phenomena was so huge, that phenomena which could not be measured, were ignored from then on. Uncertainty was banished and physics became a purely deterministic science. It seemed a matter of time before the physical world would be completely under human control.

Nevertheless, from 1923-1927 quantum mechanical experiments proved the existence of uncertainty in a convincing way [11]. The

experiment consisted of two parts. In the first part, elementary particles (electrons) were sent from a source through an empty space, moving straight ahead to the opposite side, where they struck a photographic screen and formed a black dot. In the second part of the experiment, a relatively large railing was placed between the source and the screen. The idea was to explore the behavior of the few electrons which would hit the railing and so deviate from the straight path. But this did not happen; instead, all electrons spread out, each in a different way, forming concentric rings upon the screen, with a remnant of the previous dot in the middle.

Both appearances together were called the dual behavior of the electrons: in the first part behaving predictably like tiny bullets, in the second part unpredictably. The second type could not be described by the laws of Newton, confronting physicists with the question: does uncertainty really exist as an innate characteristic of matter? At what scale could it manifest itself and how could we describe it?

Heisenberg [4], noticed that in the particle character, the dot appearing on the screen was never a distinct point, but somewhat fuzzy. In 1927 he stated that each observation of certainty at an atomic scale includes uncertainty. This formulation was called the uncertainty relation, which turned out to be very useful in particle physics. But the necessary mathematics, needed to tackle uncertainty at a larger scale, was not yet available.

It took about eighty years of research by successive theoretical physicists to find a mathematical way for combining 'certainty' and 'uncertainty' in one expression. In 1974 the crucial definition was presented by Jammer [12], leading to a new mathematical approach, in which certainty and uncertainty in all kind of appearances could be expressed like two sides of a coin.

Based upon this definition, we constructed a complementary language describing interactions between mathematical units. However, before being able to insert physical items in this formulation, we adjusted the starting points of Newton. First, his idea of an infinite space had to be restricted to overlapping finite spaces, like an invisible flood of bubbles. Second, the idea of point particles had to be abandoned; experimental results show that each mass occupies space. After that it was possible to describe interactions in physics, leading to the description of phenomena in the way Heisenberg had in mind [13].

With this theory, called twin physics, real phenomena can be described as entangled appearances of certainty and uncertainty. The Heisenberg uncertainty relation is included in it, in a generalized way: if one character dominates an appearance, the other will play a small but indispensable role.

We will give a short view into twin physics; you might skip this and continue with Section 3. Only space will be considered, (so not time, charge and magnetic fields), in a geometrical way. 'Certainty' will be represented by the exact coordinates of a point and 'uncertainty' by a finite space.

With these items, we can express the position of a person in two ways. If we give the exact coordinates, it is certain information. If we give 'the inner space of that house', it is uncertain information (after all, you still don't know where he or she is located inside). In twin physics, we give both types of information; moreover, the walls of the house and the region of the district also will be described.

Now we exchange the person for an elementary particle having mass. Then the coordinates change into ‘central point of the mass’, the inner space of the house changes into ‘space occupied by the particle’, and the walls change into ‘tiny skin’. Finally, the district changes into ‘space as far as the particle can react upon other particles’.

Next these four items are collected in a unit of potential energy, called the Heisenberg unit. By the interaction of two of these units, geometric features will be described. After transforming them into real space, their potential energy will be transformed into actual energy and the description of a phenomenon in a complementary way is obtained. For more information, you may read a relatively accessible paper [10], or the book [14].

In the next section, we will consider everyday life observations, into find out how we might transform twin physics into the twin model, describing human behavior.

RELATIONSHIP BETWEEN PHYSICS AND HUMAN BEINGS

Each human being has a body and so physical experiences will be stored in our mind. If for instance you fall from a roof, you will move downwards according to the same gravitational law as a brick would. When you step upon slippery ice, you cannot walk because of the lack of frictional force, but if somebody gives you a push, which is another force, you will move across the ice just like an object would do. These experiences together with the success of mechanics in the past few centuries, led scientists to consider human beings more or less as mechanical objects. Although this was useful in certain aspects of science, the role of space in human health was ignored.

According to twin physics, space as we know it in everyday life, can be described as a collection of overlapping finite spaces, most of them being magnetized. This is based upon results of recent research in twin physics: four distinct types of electrons can be described, each playing a specific role agreement with experimental results; two of them are surrounded by a finite magnetic space (Figure 1) [10].

The human body consists of a huge number of molecules, together forming a coherent material unity, being the body. Each of these molecules is surrounded by a magnetized space, so we suppose that in a similar way, all these magnetic spaces together form a coherent magnetic presence in and around the body. Because the brain is electrically the most active part of the body, we suppose that this organ evokes the magnetic presence. We will call this the magnetic organ of a human being. The existence of the magnetic organ of human beings has not yet been proven scientifically. The simplest example of a magnetic presence in nature is the magnetized space surrounding a ferromagnetic bar.

According to recent theoretical results in twin physics, a static electric field does not exist, which will be published later, so static charges cannot influence the surrounding space. By contrast, magnetic spaces do exist in a static situation, having the ability to adapt to moving charges, according to the laws of Maxwell.

Similarly, the magnetic organ is sensitive to electric changes. Many people have experiences which can be related to this sensibility. For instance, they sense a relative coming closer, react to homeopathic medicines or magnetic therapies, or notice the difference between live music and a registration. An extreme example is the ability of the famous theoretical physicist Wolfgang Pauli to break experimental equipment simply by being in the vicinity. This effect

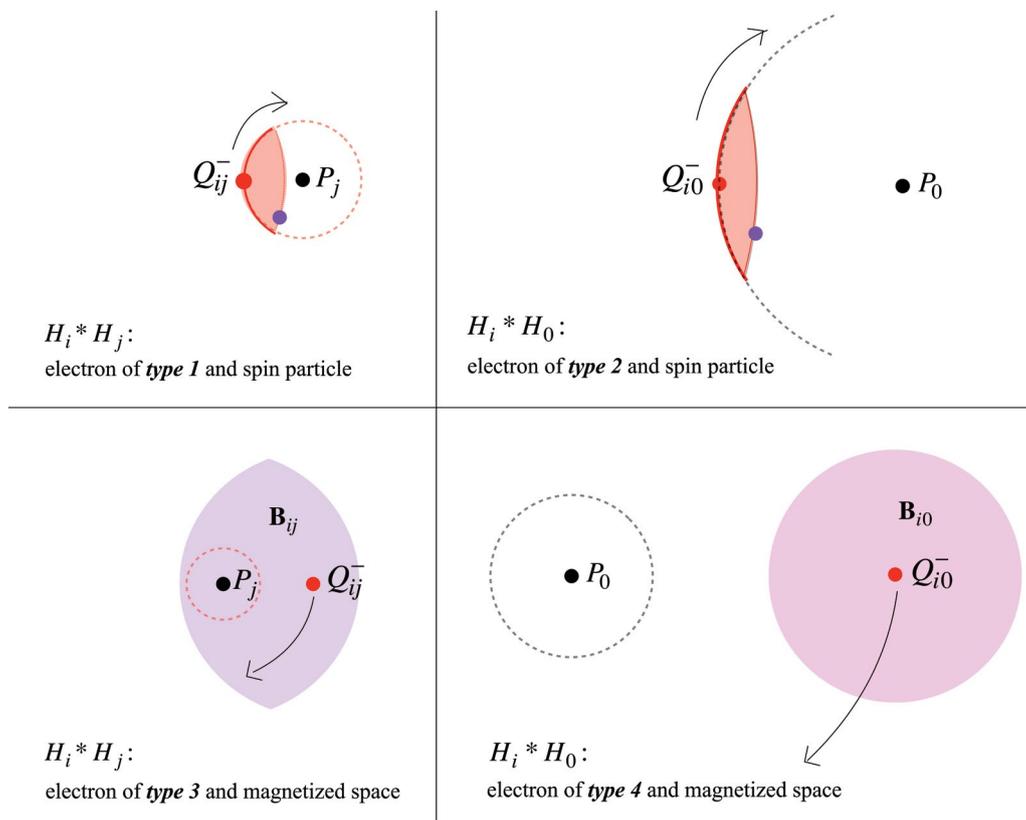


Figure 1: A schematic overview of the four types of electrons.

is very difficult to measure, as it is changing all the time, and so there is no scientific evidence yet. For the moment, we assume that the magnetic organ is a part of each human being.

These examples justify an attempt to transform twin physics into a twin model, suitable to describe the material body including its magnetic organ in a complementary way.

THE TWIN MODEL

The first step in transforming twin physics into a twin model for human beings, is to find out how complementarity looks like in everyday life. This concept is a more general notion of duality, expressing that two opposite properties together form a complete subject, like in black and white photography. Considering all colors, also red and green are complementary, pink and yellow, and so on. Then we may say that colors can be described in a complementary way.

To construct twin physics, we used the definition of complementarity by Max Jammer [12], stating that two descriptions A and B are complementary if (1) they are distinct, (2) refer to the same subject, (3) exclude each other and (4) each separately cannot describe the subject completely.

An example of non-living subjects is textile: for A and B we take woof and weft, both referring to the production of textile, obviously they exclude each other and each cannot produce textile if taken alone. An example of human life is breathing. It consists of two phases: breathing in and out; they exclude each other and breathing is impossible by only one of them. Similar examples can be found in the beating of the heart, the digestion of food and so on, so we conclude that complementarity in the human being is in general organized by switching functions.

The first example can be divided into two parts, the woof- and the weft-material, each representing one character, being A or B. In breathing, two phases of a process are carried out by one and the same organ. In digestion, the phase of absorbing food and the phase of excreting unusable ingredients are carried out by different organs. At each level the switch will occur at a specific frequency, ranging from a few seconds to a few days or even years, so all frequencies together are forming a spectrum.

To be able to speak about switching functions without using formulas, we will formulate two characters in the context of human life. The chosen names are related to the origin of twin physics: the first series of electrons in the quantum mechanical experiment moved straight ahead; the second series behaved in an uncertain way, which sometimes was called magical. So, we call the two complementary characters in general the straight image and the magical image.

Similar to the electron behavior, we suppose that functional phases according to the straight image require a concentrated use of energy, and according to the magical image, a divergent use. They are practical in describing switches in general. For instance, if you read the paper, your energy is used in a concentrated way; when after some time you start to get distracted, you need a switch to a divergent use of energy by drinking coffee or taking a walk. If you look after five small children playing in a park, you use your energy in a divergent way; when you feel tired, you need a switch to a

concentrated activity like reading the paper.

Both characters will be explained by expressing them in everyday-life words. To approach a neutral meaning, a series of positive sounding words is supplemented with the negative sounding alternatives; however, this depends also on personal taste.

Behavior according to the straight image may be characterized in a positive sense by words like: concentrated, predictable, having control, goal-oriented, limited, orderly, consistent, bold. In a negative sense this may be: fanatic, stern, narrow-minded, aggressive, dictatorial, hardy.

Behavior according to the magical image may be characterized in a positive sense by words like: vague, short hearted, flexible, caring, adaptive. In a negative sense this may be: fickle, aimless, unpredictable, shredded, defenseless, confused, empty.

As a next step, we will translate the uncertainty principle, which in twin physics is complemented with the certainty principle (each observation of uncertainty contains a trace of certainty). Also, we extended the original atomic scale to effects at any scale; the validity is confirmed by being able to relate Planck's constant to the speed of light [15]. Then we can transform this principle by saying that, if one basic character is manifested, a trace of the other will also appear. These traces can be recognized in the two examples above: when you are reading the paper, you still will hear the fire alarm; when you are taking care for the children in the park, you still will keep an eye on your watch, to bring them home in time.

Life is based upon a continuous switching at many different frequencies, but we cannot always carry them out at natural moments. So, we suppose that at each level, the optimal frequency may be adapted without causing problems, within certain limits. Besides this, we suppose that functions which are getting out of balance, may be compensated by activating or intensifying other functions. If for instance you have had a bad night, you may stay fit during the day by drinking coffee, but after three bad nights, it doesn't work anymore.

In summary, the twin model can be expressed as: 1: Each functional level of the human being is complementary organized in a switching way. This is called the switch rule; 2: All phases together form two basic characters, called the straight and magical image; 3: At each level the switch occurs in a specific optimal frequency, with an allowed deviation; 4: When one character appears, a trace of the other also appears and; 5: If one level is getting out of balance, this may be compensated in a limited way.

HEALTH

We suppose that, to stay healthy, a human being needs an overall balance in the switching of all functions. This is nothing new, except that usually only the material presence, meaning the body, is involved in maintaining this balance, or in restoring it in case of illness. If switches at the level of the magnetic organ have an equivalent role in maintaining the balance, then a disturbance may as well cause a compensation in the body, and the other way around. In order to be able to involve this in considering the health of human beings, we need to know more about functions which are regulated at this level.

It is common use to identify all functions which are not controlled

by biological processes in the brain. This originates not only in the scientific unfamiliarity of magnetic presence, but also reflects the classical idea that only mass points are the determining factor in physics. If we compare brain cells with point masses, then the supposition that brain cells control everything which is not biological, is similar to ignoring the role of space.

In the twin model we will consider the brain as a kind of computer, having only possibilities related to organizing the use of the body, thinking and memorizing. It is an extremely complex organ, composed of tenths of billions of nerve cells, each connected to up to thousands of other nerve cells. The cells that make up our bodies, use electrical signals to send messages to each other. From the moment we are born, our brains are all the time producing small amounts of electricity, even when we are sleeping [16]. Because the brain is a controlling and memorizing system, we classify it as a part of the straight image. The complex of its functions is called the mind.

Most of the electrons in the nervous system are surrounded by finite magnetized spaces and all these spaces together constitute the magnetic organ of the human being. We ascribe functions to it which are not related to biological processes. Because magnetism is connected to space, which is considered as a part of the magical image, and because it is characterized by its adaptability, we classify the magnetic presence as a part of the magical image. The complex of these functions is called the spirit.

Similar to electricity and magnetism, mind and spirit run through complementary phases. By switching, they feed each other with information. For that reason, in the following we will consider the brain separately, so when the body is indicated, the brain is excluded. A magnetic presence should not be confused with the electromagnetic field of a network. The difference is, that the field of an antenna supports internet connections by receiving and sending information with the velocity of light. By contrast, a magnetic presence is a local phenomenon. Because the units of potential energy, as used in twin physics, by definition each have a unique magnetic character, we suppose that similarly the magnetic organ is unique for each human being. Thus, the spirit is conceived of as the part of a human being which distinguishes each individual from everybody else, in the present as well as in the past, implying that the spirit guides subjects and talents which have no relation with biological functions.

Altogether, each human being is supposed to have a body, a mind and a spirit. The functions of the body serve the biological aspects of the human being, in each function switching between two phases of one or more organs. The mind and the spirit form another functional unity, the spirit serving non-biological aspects and the mind acting as an intermediate between the spirit and the body.

As an impression of what we mean by the spirit, typical subjects are religion, music and art. Note that the mind and the body always be involved in these areas by the interaction between the spirit and the body, *via* the mind.

If a switch in the spirit is delayed, or forced to switch too early, then in principle this can be compensated by activating other functions. If this is not possible in the spirit itself, the mind is no option and so it will be transformed into a compensation in the body; however, each function has a specific limit.

Without involving the spirit in considering health, wrong advice will be inevitable. This will be explained by two examples. A burnout is conceived of as a too long delayed switch in the spirit or the mind. If this is for instance caused by working with a group of young children, the magical image will be overburdened. All kind of problems in the body may appear, for instance problems with digesting or sleeping. Restoring the balance can be stimulated in two ways, depending on the background of the burnout. One way is, to develop the straight phase of the same or another function, depending on which one fits in with the personal preferences. Another way is to develop the magical phase strongly in another subject, so not with groups of children. By contrast, the advice to take more rest, for instance by watching soap series or socializing, is not appropriate, as it would not add to a stronger appearance of the mind, nor to a change in the main subject of the spirit, and therefore not to the restoring of the balance.

If somebody drinks increasing amounts of alcohol, this stimulates the magical image in the magnetic organ. This is a way to restore an apparently increasing disturbance of the balance. An alternative way, without damaging the body, could for instance be the development of an artistic talent. On the contrary, the single advises to control yourself better, or to speak about underlying problems with a psychologist, is not appropriate, as it would not add to a stronger appearance of the spirit and therefore not to the restoring of the balance.

Health depends on a balanced switching of all functions of body, mind and spirit together. Ignoring the magnetic organ will impede proper health care.

If the necessity to maintain this balance in one human being is obvious, it might also be valid in a bigger context. If it concerns a family, a disturbed balance in one and the same subject, will eventually be restored by a disease, a quarrel or the departure of a family member. If a disturbed balance in the spirit concerns the people of one or more countries, then a delayed switch could even cause a revolution. An example is the MeToo-movement, restoring the balance in sexual interaction after decades of ignoring wrongdoing. The reproaches concern the body, but the situations originated in a wrong idea about women, meaning in the mind, and had affected the spirit of the victims.

There are innumerable examples of growing imbalance of the mind and spirit at a large scale. Some originate in traditions or political choices, others in external circumstances. Common examples are: giving girls and boys different educational possibilities, racism, neglecting artistic education, suffering under a war. If one type of disturbance were to spread the world, then the overall balance in humanity as a whole would be disturbed. Because this seems to be the case in the corona pandemic, in the next section we will search for a possible common background of this problem, from the perspective of the twin model.

THE CORONA VIRUS

In the previous sections we built up a complementary way of considering human health by transforming twin physics into the twin model. In this section we will consider the corona virus in this perspective. First we will classify it: does it fit in the straight or in the magical image? The virus has spread unimpeded across humanity, pervading the air around us, but it is very hard to contain, and

many people have died from being infected by it. We classify this as a negative appearance of the magical image. As far as we know, no switching is observed in the corona virus, so its features are restricted to the magical image. A trace of the straight image can be found in its identical reproduction.

If the virus is caused by a worldwide imbalance, the question is whether this has to be ascribed to an imbalance in the body, the mind or the spirit. The material needs of the body differ greatly across the world, determined by temperature, climate, seas and rivers, woods, fertility of the soil and so on; the people of a country cannot change this. The needs of the spirit however seem to be less different. All over the world people love or hate each other, have a belief, sing or play music, tell or write poems or stories and develop art and science. People may change the conditions of the spirit to a higher extent than those of the body, for instance by choosing another government or spending their time or money in another way, which is facilitated by the mind. Consequently, the spirit and mind seem to be more susceptible to a worldwide imbalance than the body is. Thus we suppose that the cause of the virus outbreak is a general disturbance in the system of the spirit and the mind, in one and the same basic character. Combining this with the magical features of the virus, we conclude that either the straight image was overtaxed, or alternative appearances of the magical image were lacking.

We will consider some generally known details. The virus started in China, being one of the countries carrying out the largest control over its citizens. Control is a basic aspect of the straight image. It is interesting that the way of controlling is based upon the use of the computer. This gives a link with the rest of the world, as the computer, including all connected items like mobile phones, underwent an explosive development in all levels of society. The increase of influence in personal life as well as in business is unprecedented, so we will consider the computer a bit more closely.

After the possibility of controlling, an interesting new feature is that pictures can be watched, edited and shared more than ever in history. Pictures have a much more diverse meaning than words and each picture may be interpreted in many ways, so we will classify them as part of the magical image. Another new aspect is, that the computer made writing letters by hand into a rarity. We could continue for a long time; the computer has so many applications in so many aspects of life, that at first sight it seems difficult to find a feature which could be the cause for a global disturbance.

However, there is a fundamental difference compared to any previous method in history to transport messages: a computer cannot transfer magnetic information. This detail influences each person who uses a computer, in whatever way, so we will concentrate on this fact, to find out what could be the consequences for health.

Magnetic fields are the carriers of information concerning smelling, touching, tasting, feeling the presence of somebody. Also the transfer of sound, like human voices or music, is digitally reduced, and your vision is restricted to two dimensions. People in quarantine discover rather quickly what is lacking when using the computer, concerning contact with loved ones, listening to an online concert instead of live, drinking beer at home instead of in a cafe, or taking a delivery meal instead of going to a restaurant.

In the perspective of the twin model, during the time that you

use the computer you cannot send or receive messages coming from your own magnetic organ, nor receive these messages from somebody else. The spirit is not involved as an active part in the interaction. The mind may deliver only already existing supplementary information, for instance the remembrance of the smell of that person, or the real sound of that instrument, which in a previous switch has been transferred from the spirit to the mind.

This one-sidedness will disturb the balance between the mind and the spirit. Not all activities at the computer would be more balanced if the spirit was involved; for instance simple accounting usually is not expected to influence the spirit. But at least a part of activities carried out with the help of the computer, will cause an interruption in the switching process between mind and spirit. Because the spirit is the part of the mind-spirit-system taking care of the magical image, the complementary development of the system is disturbed for the time being.

Then the mind can only behave in a fixed way, so only according to the straight image, without renewing information coming from the spirit after each switch, and so without the possibility to react upon it. Many contacts on the computer would be stopped after you could have observed the person behind it better, by observing with your magnetic organ. So by using the computer, a more or less disturbed functional unity of mind and spirit could be caused.

We suppose that, in the extreme case, the switch process of mind and spirit even could stop in a human being. Then the spirit continues to be active in a less intensive and more degenerative way, fixed in the magical image (like the mind is fixed in the straight image), appearing mainly as negative.

A diminished use of the magical image will disturb the overall balance of the human being and needs to be compensated. This might be carried out in the spirit itself in the time that the computer is not used. Appropriate activities range from going out to have fun to playing in an orchestra. Obviously the latter will have a stronger influence, but they will be less available.

If these activities are not adding enough to the intensity of the appearance of the magical image, or if leisure time is too short, the problem grows. Then the body has to compensate the shortage in the magical image, caused by the impossibility of the spirit to use its full potential. The magical phases of some body functions will be intensified or extended, for instance by eating more to let the body expand or drinking more alcohol.

These changes in the switching balance of the body are useful to restore the overall balance, but they do not add to a good health and moreover, the origin of the problem is not cured. Supporting the spirit is possible only by giving more possibilities in activities that are intense enough, like in music, dance, art and related subjects.

According to these considerations, people having a basically increased need for influences belonging to the magical image, will accept the corona virus easily in their system of body, mind and spirit as a possibility to restore the overall balance. People without this need are expected to have a higher resistance.

If this is valid, it should be reflected in statistics about the spread of the corona virus and the death rate. So, we will check this, on the basis of known statistics about people with an increased risk

of catching the virus or on the contrary, people running less risk.

COMPARING WITH STATISTICAL FACTS

We will check if statistical facts confirm that the susceptibility for the corona virus is higher in people having a need for more influences from the magical image. First, we will consider children, then a possible difference in the occurrence between men and women, and finally old people.

In a recent publication of Nature [17], the role of children in spreading the coronavirus is considered as a key question since the early days of the pandemic. "I do not see any strong biological or epidemiological reason to believe that children don't get as infected," says Gary Wong, a researcher in paediatric respiratory medicine at the Chinese University of Hong Kong. But in the same publication we read: "Children represent a small fraction of confirmed COVID-19 cases—less than 2% of reported infections in China, Italy and the United States have been in people under 18 years old."

Nevertheless, according to a study of people in Shenzhen, China [18], children are as likely as adults to become infected with Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) after close contact with an infected person. The team found that 7% of close contacts younger than age 10 became infected—roughly the same as in the population overall.

Very young children are characterized by magical behavior, like wanting to play, using much phantasy, having little concentration, being adaptive to their environment, not yet having control over all bodily functions and needing corrections in their behavior. Children learn to know the world by listening to more or less magic stories, like speaking animals or fairy tales. The straight image, being hardly developed yet in the young child, is in case of protest only expressed by crying or beating another child. The parents or caregivers have to take over many straight phases to keep the child alive, healthy and safe, like forbidding dangerous activities and setting limits.

The brain of a child is in full development [16]. The mind and the spirit will develop accordingly by switching continuously from one to the other. Once going to school, learning to read, writing, counting and calculating, the straight image will get a boost in non-biological subjects. To maintain the balance between mind and spirit, the magical image needs a similar boost by teaching the child non-biological subjects concerning the magical image, like singing, listening to live music, painting, playing an instrument in an ensemble. In favorable circumstances this occurs in a balanced way and so the spirit will develop in a healthy way, but if at home or at school insufficient importance is assigned to this part of education, the development of the spirit will stay behind. In puberty, children learn to be independent and take responsibility, so the two basic characters have to reach an equivalent rate of development. In case the spirit stays behind, the child will delay this process in whatever way. These considerations make clear that children in general don't have an additional need for magical activities and influences, so there is no reason for them to become ill from being infected by the corona virus.

We distinguish three possible developments after the infection. The child does not absorb the virus in the body; the child absorbs the

virus but is not reacting to it; or the child switches off its influence by interaction between its magical presence and the electric features of the virus. In the third case, adults are safe from the virus around young children. Possibly the differences between the two mentioned research reports are related to these differences.

All over the world, many more men than women are dying from COVID-19 [19]. This agrees with the fact that positive aspects of the magical image represent many features which usually are stimulated in women, so in general they will go through longer or more intense magical phases of the spirit. This could appear for instance by taking care for family and children, more than the husband or male family members. Obviously, this effect will be stronger in societies where differences in behavior and education between boys and girls are stimulated from birth.

Obesity is a medical condition that occurs when a person carries excess weight or body fat that might affect their health. Although this could have many different causes, in the perspective of the twin model the only detail that may be counted with, is the expansion of the body. Other ways of dealing with it, are outside the reach of this model. Spatial expansion is anchored in the basics of twin physics and so we suppose that this notion also will be represented in the twin model. It means that the balance of the body is disturbed in favor of the magical image. This might be caused by a long-lasting mismatch between the used food and the needs of the body, by a spirit staying severely behind the development of the mind, or a combination of these two. In any case, a person with obesity needs magical influences. Indeed, according to the World Obesity Federation, people with obesity and obesity-related conditions seem to worsen the effect of COVID-19 [20].

Considering people of high age, a remarkable detail in the statistics is, that in some countries, people of high age are much more susceptible than younger people and have a high rate of dying. Italy, a country with one of the oldest populations in the world, has also the greatest number of deaths (and the highest fatality rate) in the world so far. But, by contrast, Japan has the oldest population in the world and it has only a fraction of Italy's COVID-19 cases and deaths [21]. This difference might say something about government policies, family relationships, culture, religion and other socio-economic characteristics; they have to be factored in alongside the age structure of the population.

Possibly in the youth of infected people, there was a reason to suppress the development of the magical image in favor of the straight image, for instance a war; it is most likely that in this period education was restricted to reading, writing and doing arithmetic. Once being adult, the backlog in the spirit relative to the mind is difficult to catch up. Having reached the age that they could spend more time to the development of the spirit, older people slowdown in the frequency of switching, which will slow down the development of the spirit once more.

BACK TO TWIN PHYSICS

After having considered the corona virus from the perspective of the twin model, we will return to twin physics, as a lot is known about the chemical composition of the corona virus but not about physical features.

We will use the description of four types of electrons as we published

a year ago [9,10]. Relevant is, that only the third and fourth types of electrons are surrounded by finite magnetic fields. The magnetic field of the fourth type is the largest, being spherically with a radius of at least of molecular size; this might be much more. This type of electron can appear only if it is bound to molecules at the surface of an object.

Looking at the geometrical structure of the virus, we see that at regular distances all over the spherical surface spikes are sticking out [22]. The tops of the spikes are perfect locations for electrons of type 4, each having a spherical magnetic field surrounding them. The regular distances between the spikes presumably indicate how much space this type of electron needs at a minimum, in terms of neighboring molecules at the surface.

The electrons of type 4 have another special feature: they can stay bound to a proton at relatively large distances, revolving around it and taking its magnetic space (having a much lower radius than the turning radius) with it. This is specific for plasma, so we call it plasma electrons.

The plasma electrons at the tips of the spikes give it a much more exposure to the surrounding air than any other geometric structure would do. If the virus particle meets another small object, the plasma electron can make a bond with it at a larger distance than usual; as a first estimation, we expect this distance to be in the order of maybe a foot or less. This might explain the extreme contagiousness of the corona virus.

Once the virus, connected to a tiny drop of water, enters the body, the electrons in the tips of the spikes presumable will transform (because of lack of enough space) into electron of type 3, called chemical electrons, existing at the usual distance to the nuclei. If this happens, the electrons will move to a much smaller distance from the belonging atom and so the extreme large reach of the virus in an electrical sense will reduce to normal molecular sizes. Consequently, the spherical magnetic fields around the chemical electrons are flattened somewhat. Now these fields are much closer to the surface of the virus particle, so they will overlap each other and all together the virus will be coated with overlapping magnetic fields from the chemical electrons at its surface.

Then this magnetic coated virus starts a new carrier, not based upon its strong electric features as previously, but as a magnetic presence. Reproducing itself will strengthen this presence step by step and because this happens in an identical way, it is likely that it will form a general, coherent magnetic presence. At some critical point, the weakened magnetic organ of the infected human will be taken over by the magnetic presence of the virus and the person gets ill.

The process of taking over the magnetic organ of a human being by the magnetic presence of a virus particle, is only possible if the first is weakened. If not, the magnetic organ is supposed to take over the virus. Possibly this process of taking over is a kind of reversing the magnetism.

CONCLUSION

Twin physics, being a complementary way of considering phenomena, can be transformed into a twin model suited to describe the functional behavior of human beings in the broadest sense. Although we obtained a rather simple tool, it gives enough

information to develop a better understanding of the impact of the corona virus.

In the twin model, the human being is considered as consisting of the body (the brain excluded), the mind, being the combined functions of the brain, and spirit, being the combined functions of the so-called magnetic organ, evoked by electric activities of the brain. The body controls out biological functions by switching between two basic patterns, called the straight and the magical image, characterized by a concentrated and a divergent flow of energy, subsequently. Mind and spirit are considered as each other's complement, the mind acting according to the straight image and the spirit according to the magical image, switching in similar way as the body functions. Body, mind and spirit have to maintain an overall switch balance to stay healthy.

Although there are many ways in which this balance might be disturbed, we have found a circumstance influencing society all over the world in the past few decades: the inability of the computer and related instruments to transfer magnetic information. Consequently, when using the computer, the spirit is excluded from interaction with somebody else. This may affect the overall balance in such a way that a need for more magical influences arises. Besides, in general the spirit has a bigger chance than the straight image to stay behind in developing, because its development is non-biological and needs explicit protection from the environment, requiring favorable circumstances.

According to twin physics, the virus has an extremely high contagiousness because of the existence of plasma electrons at the top of its spikes, which have an extremely far reach in air. After being absorbed by a human being, this electric feature is transformed into a relatively strong magnetic item, which after sufficient reproduction may take over the magnetic organ of this person in case this is weakened.

According to the twin model, the features of the virus fit in the magical image and so it may act as a compensation for the spirit, in case its development stayed behind. We considered some statistical facts about differences in mortality between several population groups. It turns out that children don't have an additional need for magical activities and influences; usually they have the opposite functional imbalance as adults have. Indeed, they are rarely attacked by it. The origin of the difference in mortality between affected men and women seems to be in cultural determination, favoring women in developing the magical image. Obesity reflects a strong necessity to strengthen the appearance of the magical image in the body as well as in the spirit and indeed obesity-related conditions seem to worsen the effect of the corona virus. Older people seem to be extra susceptible if in their youth they did not get the chance to develop the spirit in balance with the mind.

Altogether, the corona virus seems to be a worldwide correction to an underdeveloped spirit in too many people, evoked by the combination of local circumstances and using the computer without compensating the lack of magnetic interaction. If the virus couples to this lack, an infected person will become ill. If not, the infected person will not become ill. Moreover, the virus possibly can be switched off by an infected person if the spirit, with respect to the mind, is developed in a healthy way.

Experimental research into the magnetic features of the corona virus is necessary to check the validity of the presented theoretical expectations. Possibly the virus can be switched off not only by using soap, but also in a magnetic way.

Statistics could be extended by considering artists and musicians as a separate category, to control the supposed origin of the outbreak in a balanced development of the spirit. Then of course the extent of their contact with other people should be taken into account explicitly, as this group of people may live more isolated than usual.

In the longer term, scientist have to reflect on the classical notion of scientific proof and try to liberate themselves from the requirement of repeatability if the human being is the subject, because in that way, magnetic effects in human beings will be ignored. Since the outbreak of the corona virus this is no longer appropriate. A first step could be the researching of a physically based tool called 'magnetic resonance', being increasingly popular in therapies to determine health problems. With this method, the electric activity of the person's brain is measured and related to magnetic response, without disturbing it by applying any other impulses. This subject enjoys little interest in scientific circles, which might be caused by a rather unscientific way of expressing the observations.

Except developing more scientific attention for magnetic features of the human being, it is in general necessary to reflect on a healthy way to compensate the inherent ignorance of the spirit by using the computer.

If children grow up without as much attention for the spirit as for the mind, then we may expect a new generation which again will embrace a virus like this in the system of body, mind and spirit, and again will discover that it is a devil in disguise. So, in developing school programs, it is of uttermost importance to realize that a healthy development of the spirit is as important as that of the mind and the body. To prevent renewed outbreaks of this type of virus in the future, this should start at the beginning of life and intensified in periods that the mind gets an extra boost.

ACKNOWLEDGEMENT

I am very grateful to Wim Graef for the many stimulating discussions and general support. I want to express my gratitude to Hans Graef for his swift and involved way of correcting the language. Special thanks to Vincent Roelofs and Marko van der Beek for introducing me in the situation around magnetic resonance therapy and showing the gap with regular science, asking for more research.

CONFLICT OF INTEREST

No conflict of interest.

REFERENCES

1. Gary ZG. The dancing Wu Li masters. Bantam NewAge Books. William Morrow and Company, Inc. New York, USA, 1980.
2. Capra F. The Tao of Physics. Shambhala Publications, Boulder, Colorado, USA, 1975.
3. Cage J. Silence: lectures and writings. Wesleyan University Press, Middletown, Connecticut, England, 1961.
4. Heisenberg W. The principles of the quantum theory. Dover publications, New York, USA, 1949.
5. Einstein A. The theory of relativity (and other essays). Citadel Press Books, Carol Publishing Group, New York, USA, 1996.
6. Backerra A. The unification of elementary particles. *Phys Essays*. 2012;25:601-619.
7. Backerra A. The quantum-mechanical foundations of gravity. *Phys Essays*. 2014;27:380-397.
8. Backerra A. The connection between gravity and electricity according to twin physics and a survey of the results so far, including neutron decay. *Appl Phys Res*. 2016;8:42-68.
9. Backerra A. Deviating features of protons, neutrons and electrons on a nano scale. *Adv Nanosci Nanotechnol*. 2019;3:1-9.
10. Backerra A. A shift in theoretical attention for the properties of bulk materials to those of the borders. *Int J Nanotechnol Nanomed*. 2019;4:1-9.
11. Davisson C, Germer L. Reflection of electrons by a crystal of Nickel. *Proc Natl Acad Sci USA*. 1928;14:317-322.
12. Jammer M. The philosophy of quantum mechanics. John Wiley and Sons, New York, USA, 1974.
13. Heisenberg W. Steps across borders, Extended Edition. R. Piper and C. Verlag (Eds.), Munich. Harper and Row, New York, USA, 1974.
14. Backerra A. Twin physics, the complementary model of phenomena. Lambert Academic Publishing, Germany, 2018.
15. Backerra A. Relation between Planck's constant and speed of Light, predicting proton radius more accurately. *Appl Phys Res*. 2019;11:1-9.
16. <http://www.bbk.ac.uk/>
17. <https://www.nature.com/articles/d41586-020-01354-0>
18. Bi Q, Wu Y, Mei S, Ye C, Zou X, Zhang Z, et al. Epidemiology and transmission of COVID-19 in 391 cases and 1286 of their close contacts in Shenzhen, China: a retrospective cohort study. *Lancet Infect Dis*. 2020;20:1-9.
19. <https://globalhealth5050.org/covid19/>.
20. <https://www.worldobesity.org/news/statement-coronavirus-covid-19-obesity>.
21. <https://www.ageing.ox.ac.uk/blog/COVID-19-impacts-on-young-and-old>.
22. <https://www.nytimes.com/interactive/2020/03/11/science/how-coronavirus-hijacks-your-cells.html>.