

## **New, Vital Information about the Coronavirus** ***Continuation from Contact Report 731***

**Billy** If you are okay with it, I would like to get back to the rampantly spreading corona disease once more, namely in regard to the protective masks about which you have said that they are only useful if protective goggles are also worn with them. In this regard, a somewhat more precise explanation would surely be just as important, as you privately explained everything to me. Therefore I think that you could also say something explanatory with regard to the protective face masks, their quality and benefit and use and so forth, which surely is more informative than the banal and insufficient yakking of those earthlings who show off with great patter that is of low intelligence, but in truth do not understand anything of it all, but whom the majority of the peoples believe, instead of listening to the real experts and following their instructions. Also, it would certainly be good if you could briefly explain something about the most important difference between the various mysterious pathogens that cause diseases and rampantly spreading diseases, thus about the microorganisms, the disgusting viruses and other repulsive causes of disaster. It would also be important to give some explanations regarding the mode of living, life-function, reproduction, activity, behaviour and further important things of various bacteria and viruses. Also an explanatory word in relation to the treatment, that is to say, the fighting of the pathogens would certainly be good. But please, if you want to do that, then please do so understandably for us laypersons.

**Ptaah** You are probably right to discuss something necessary about that which has already been said, wherefore, on the one hand, I want to repeat what I have already explained, but on the other hand, I can also explain and expand more on it and also regarding your question in relation to the pathogen differences.

Explaining the differences between pathogens precisely would lead much too far, which is why I will not go into them, but only want to state that there are many different germs to name, that is to say, microorganisms that cause health damaging processes, as bacteria, viruses, parasites, fungi, protists, algae, amoebas, prions or viroids and virusoids do. These microorganisms call forth damaging effects, namely in particular because they ...

- 1) cause high fever that can end fatally by bringing about severe immune reactions;
- 2) cause tissue damage by feeding on body cells;
- 3) excrete active substances that damage the body;
- 4) release body damaging substances while they die off.

Through the excretion of poisonous substances (NB. toxins), bacteria damage the organism they have befallen, while living bacteria release exotoxins, mostly proteins, which ...

**Billy** Excuse me. Exotoxins are the poisons that, for example, cause whooping cough and cholera, right? At least that is what I learned as a young boy from our family doctor, Dr. Strebel, when my two brothers, Karl and Gottlieb, as well as my sister Berta had whooping cough. When I had to be vaccinated against cholera in Turkey, I was told that this disease is caused by exotoxins, as tetanus also is, against which I had to be vaccinated repeatedly over the course of years.

**Ptaah** In terms of pathogens, there is a difference between bacteria and viruses, but both have very little in common, apart from the fact that both bacteria and viruses can cause diseases, whereas they are completely different in many areas, including in terms of proliferation and metabolism. Viruses are actually not life forms in the sense that lifeforms are understood, but are infectious acellular organic structures that exist everywhere in all universes with a number of around 2.7 million different species known to us, and they generally have the ability for replication and evolution, while many also act as hosts among themselves.

That is right, but these poisonous substances also cause scarlet fever and diphtheria and so forth. Furthermore, also the endotoxins are to be mentioned that are released as parts of the cell walls of bacteria, namely when these die and, for example, cause salmonellosis or typhoid fever and so forth. The dangerousness of the pathogens for the human being is great and various risk groups exist, but it would also go too far to explain them.

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Viruses are not autarkic life forms, rather purely autonomous and independent structure forms, however, in ur-times they were the actual factors for the beginning of all creation of life and a countless mass of them, by means of their evolution, changed to initial ur-forms of life, from which, during eon-time-periods, the first lower life forms developed, which, as a result of their evolutive ability, grew into more and more higher life forms. The manifold bacteria species also belonged to it, which, as effective life forms, required other foundations than the viruses, from the mutation of which they arose, because as life forms they required, for example, oxygen, sulphur and other chemical substances or light and so forth. Also, the size of the two pathogens is different and indeed enormous, because bacteria can have a diameter of about 0.6 to 1.0 micro metre, while viruses, however, are about 100 times smaller.

Viruses display a simple structure and practically consist only of genome, which is stored in a protein shell. This while the bacteria have a cell wall and the necessary cell organs, however, a cell nucleus is missing and their genetic material lies in a liquid basic substance of the bacterial cell, which means that they are provided with everything they need to proliferate. Therefore bacteria can proliferate independently by cell division, for which they do not need a host, in contrast to viruses, which always need a host in order to proliferate. Therefore, if they get into the body of a human being – or mammals and so forth – and into a cell of it, they pass on their genetic material to it and manipulate the host cell and proliferate extremely rapidly; consequently, with the introduced genetic material they constantly produce new viruses that leave their host cell, destroy it and in turn attack and manipulate other cells. If, in contrast to the viruses which have no metabolism, the bacteria are examined, then these are of a completely different kind, because they are, as are all living creatures, life forms and correspond to organised units that are also capable of evolution, display a metabolism and an irritability, and furthermore are able to procreate and are also integrated into growth, which is not characteristic of viruses.

Also, when it comes to bacteria and viruses as pathogens, they act in different forms to cause and spread diseases. Bacteria sneak into an organism, in order to then proliferate under conditions that suit them, while also excreting their toxic metabolites that damage the immune system but do not destroy cells, but nonetheless adversely affect the organism, where through disease and suffering come about. In contrast to that and in order to proliferate, viruses infest cells and destroy and annihilate them, which the body's own immune system also does when cells are infested by viruses.

Naturally, for various pathogens, such as bacteria and viruses, different control measure substances, that is to say medicines, are required, and additionally these have to be directed specifically at the different species, their structure, proliferation and the activity of them. As a rule, special control measure substances have to be employed against bacteria, such as antibiotics, through which the cell structures, that is to say, the cell wall of the pathogen – which consists of a different structure to the human cell that therefore does not suffer damage from the medicine – is attacked and the bacteria is killed.

As far as the viruses are concerned, there are indeed a few and really only individual medicines against these, but as a rule, in the case of a virus-related illness, the virus cannot be combated and therefore not killed, but only the symptoms can be treated and alleviated, which occur as an annoying and possibly dangerous side effect so to speak and wreak havoc. Only these symptoms can be fought and

resolved, while, however, the viral disease continues to rage and cannot be resolved. That is also the reason that certain viral diseases often end fatally, such as especially during epidemics and pandemics, if the body's own immune system does not have enough energy or power to handle the virus and overcome it. However, vaccinations can be useful – in contrast to bacteria – as long as a suitable vaccine is available. If that is the case, then a prophylactic protection against viral infections can be achieved. Vaccinations against the proliferation can stem an infection, which, however, really is only the case for quite few viruses. But as for the large mass that goes into the millions, for example cold viruses, usually only vaccinations are effective, because normally the immune system and the entire human organism has to deal with the disease on its own. If this is not possible, there are practically only two options in the room: death or a life-long lingering illness.

However, as far as the protective masks are concerned the following can be said, namely that different types exist which, however, are differently described by Earth's human beings and are also used incorrectly:

- 1) Protective masks against infections by any pathogens are erroneously referred to as mouth masks, because they are not those that are supposed to serve the warding off and spreading of germs, that is to say, pathogens. Mouth masks that are only worn in front of the mouth correspond to simple, thin, single-layer fabric masks, which only serve to protect and prevent that no substances from outside get into or out of the mouth, for example, mucus, spit and parts of food and so forth. Therefore this type of mask is not suitable as protection against infection by any kind of pathogen.
- 2) Protective work masks are completely unsuitable against infection by any pathogens and only serve the purpose of protecting against certain substances that come about as a result of the activity, while these masks are equipped only against the penetration of these certain substances into the mouth and respiratory organ.
- 3) Self-made fabric masks that are often made privately for any need, such as against the ingress of dust and so forth into the respiratory system or into the mouth, are completely unsuitable against infections caused by any pathogens, as are neckerchiefs, that is to say, scarves and head scarves and so forth. In this regard, such things usually only serve to calm the thoughts and feelings, where through wearing such masks provides a false security.
- 4) Protective masks against gases – as well as effective gas masks – can, depending on their nature, prevent infections from some pathogens, but this cannot be the case in every form.
- 5) Also, matter-particle protective masks, which are effective against penetration into the mouth and into the respiratory organ, such as against dust, sand, ash and other fine material substances, are absolutely unsuitable against infections from any pathogens, because with regard to bacteria, viruses, microbes and other pathogens they are completely useless.
- 6) Protective masks against infections caused by any pathogens are mask products that are especially made for that and accordingly fulfil the purpose of preventing infection due to their design, density and appropriate filtering.
- 7) Medical masks are the only effective efficacious products against infection by pathogens, indeed both against viruses and bacteria, as well as against other pathogens, of which there is a large number. Real medical masks are provided with special filters and, depending on the type and product, possibly contain disinfectants, which offer comprehensive security and prevents infections.
- 8) Wearing high-quality protective masks only makes sense if they are also used sensibly, but this cannot be the case if they are worn in daily use without necessity in low pedestrian traffic on the street and in buildings that are not used by many persons, instead of where it is necessary, such as for all kinds of medical care, for essential activities in the company of co-workers, for conversing in small circles, in small groups of persons and large crowds, or in the close or narrow area of those stricken by a disease or rampantly spreading disease, be it indoors or outdoors.
- 9) Goggles of various types and uses, which can seal the skin all around, are absolutely necessary if there is a risk of injury to the eyes, or if, in a special case, there is an infection by bacteria or viruses, because the moisture in the eyes is a special nidus for a susceptibility to viral pathogens. Fundamentally, good and correct face masks are also completely useless in this form if they are put on without suitable protective glasses, as is the case with simple or self-made masks available

on the market, because they are only useful together with suitable protective glasses. This, however, also only if they are thick and dense enough and are used accordingly for what they are intended and can guarantee that they are able to prevent one's own strong breath exhalation and a spread of expiratory droplets to the outside, but also prevent the absorption and inhalation of breath output and droplet output from outside, that is to say, from other persons.

- 10) Protective masks are only useful if they fit the face properly, providing a good seal and completely covering both the mouth and the respiratory organ.
- 11) If there is a risk of infection from pathogens, strict care must be taken and adhered to that, between the conversation partners in normal communication, a sufficient safety distance of 1.5 to 2 meters is maintained, but this only applies in wind-protected rooms and locations, while in wind, depending on its strength, correspondingly wider spaces must be taken into account because, due to the wind, pathogens are transmitted through the air over longer distances.

If communications are carried out with people who have a cough or expectoration from the cough, who sneeze or who emit spitting moisture when speaking, then a safety distance of 3 meters or more must be maintained.

These are the main values that I have to mention regarding your questions.

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