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To people affected
Their doctors and caretakers
To institutions, groups and politicians
To Media

Zürich 25th December 25, 2020

The RNA Vaccines, its effects and the mutants of SARS Cov-2

As Loretta Bogdan foresaw last spring in her book on vaccine development, mutants of SARS Cov-2 appeared after the so-called second wave, because this RNA virus is constantly changing, with several sub-families in one organism. Therefore it was foreseeable from the start that, after selective genetic changes, a leap in the genetic makeup of the virus could occur over time.

<https://drive.google.com/file/d/1j9oVSjo2rGJ3WMt7bVdATgf1J4cSFyY-/view>

According to Ugur Sahin, the head of Biontech, the now approved vaccine, which is currently being administered to thousands of people, should also work against the recently emerged mutants of the SARS-Cov-2 virus. However, these would now have to be precisely analyzed through investigations. If an adaptation of the vaccine were necessary, Biontech could deliver one within 6 weeks, he states. Local outbreaks could occur again and again in the new year, but these can be brought under control thanks to the vaccination, he lets us know. This vaccine should not be given to pregnant women for the time being, as its effects on developing life have not yet been researched. Its effect on fertility is also unknown, as the document accompanying its approval in Great Britain, and there is a warning against giving to allergy sufferers who could react strongly to their accompanying substances.

<https://www.gov.uk/government/publications/regulatory-approval-of-pfizer-biontech-vaccine-for-covid-19/information-for-healthcare-professionals-on-pfizerbiontech-covid-19-vaccine>

As various recent articles on the mRNA vaccines, which are intended to be used against other infections and cancer, show,

that they arise from a new gene technology that modifies and purifies existing RNA viruses in order to bring them into the cells by means of new carrier substances. In doing so, they interact intracellularly with various switching points and trigger a sustained, strong defense reaction against viruses, bacteria and parasites, whilst it is not known how it affects the long-term flexibility between cellular and antibody-mediated defense, which is crucial for the ongoing destruction of degenerate cells that carry viruses, fungi and mycobacteria and the defense against external intruders by specific antibodies.

The strong defense effect of these vaccines in animal experiments, together with the comparatively simple and inexpensive production, fueled the dream of vaccinations against all possible diseases including cancer, which has attracted potent investors such as the Bill and Melinda Gates Foundation, who convinced leading states and the WHO on the World Economic Forum in Davos at the beginning this year, that the Covid-19 pandemic could only be contained with such a vaccine. The fact that the severe course of Covid-19 occurs world-wide predominantly in people with previous chronic illnesses, which occur frequently with high chronic emissions of particulate matter, CO₂, NO₂ and O₃, is on to this day just as little an issue for leading politicians as are preventive immune system-supporting therapies for older people, whose immune system is slowly declining.

[mRNA vaccines—a new era in vaccinology](#)

[\[HTML\] nature.com](#)

[Nucleoside modified mRNA vaccines for infectious diseases](#)

[\[PDF\] researchgate.net](#)

[\[HTML\] mRNA as a transformative technology for vaccine development to control infectious diseases](#)

[\[HTML\] sciencedirect.com](#)

[\[HTML\] Self-amplifying RNA vaccines for infectious diseases](#)

[\[HTML\] nature.com](#)

[\[HTML\] The promise of mRNA vaccines: A biotech and industrial perspective](#)

[\[HTML\] nature.comFull View](#)

[HTML] [Unmodified mRNA in LNPs constitutes a competitive technology for prophylactic vaccines](#)

[\[HTML\] nature.com](#)Full View

[HTML] [Modified mRNA-based vaccines elicit robust immune responses and protect guinea pigs from Ebola virus disease](#)

[HTML\] oup.com](#)

[HTML] [COVID-19 and mRNA Vaccines—First large test for a new approach](#)

[\[HTML\] jamanetwork.com](#)

A comparison of plasmid DNA and mrna as vaccine technologies

[\[PDF\] mdpi.com](#)

[HTML] [An mRNA vaccine against SARS-CoV-2—preliminary report](#)

[\[HTML\] nejm.org](#)

[PDF] [RNA vaccines: an introduction](#)

[\[PDF\] phgfoundation.org](#)

Comparison of DNA and mRNA vaccines against cancer

[\[PDF\] thums.ac.ir](#)

[HTML] [mRNA vaccines against H10N8 and H7N9 influenza viruses of pandemic potential are immunogenic and well tolerated in healthy adults in phase 1 ...](#)

[\[HTML\] sciencedirect.com](#)

[HTML] [Preclinical and clinical demonstration of immunogenicity by mRNA vaccines against H10N8 and H7N9 influenza viruses](#)

[\[HTML\] sciencedirect.com](#)

Recent advances in mRNA vaccine technology

[\[PDF\] researchgate.net](#)

Vaccines for COVID-19: The current state of play

[\[HTML\] nih.gov](#)

[HTML] [The COVID-19 vaccine race: challenges and opportunities in vaccine formulation](#)

[\[HTML\] \[springer.com\]\(#\)](#)

Latest development on RNA-based drugs and vaccines

[\[HTML\] \[future-science.com\]\(#\)](#) [Full View](#)

mRNA Vaccine Era—Mechanisms, Drug Platform and Clinical Prospection

[\[PDF\] \[mdpi.com\]\(#\)](#)

Very little is known about their effect on the mitochondria, which, as poorly protected organelles in cells, form the energy carrier molecule ATP, required for all bodily functions and play a central role in the defense against viruses. The other types of Covid-19 vaccines, which are equipped with different types of adjuvants, now in clinical testing, no longer seem to be an issue for administrating states, as they have landed at the bottom of the race for approval and mass distribution. Physicians and patients should obviously only be able to choose between the two mRNA-vaccines, the one from Pfizer Biontech and the one from Moderna.

Mitochondrial DNA in innate immune responses and inflammatory pathology

[\[HTML\] \[nih.gov\]\(#\)](#)

[HTML] [Picking up a fight: Fine tuning mitochondrial innate immune defenses against RNA viruses](#)

[\[HTML\] \[frontiersin.org\]\(#\)](#)

[HTML] [Influenza A virus M2 protein triggers mitochondrial DNA-mediated antiviral immune responses](#)

[\[HTML\] \[nature.com\]\(#\)](#) [Full View](#)

The immediate side effects of the new mRNA vaccines, from chills, severe headache and myalgia to autoimmune reactions, which became apparent in tests with larger test groups, were

not a reason for their producers to carry out further investigations before their mass distribution. How they work in older persons who take drugs for chronic diseases on an daily basis should now become apparent after their massive release. As various studies have shown, elderly people often react only weakly to vaccines because their immune responses are increasingly reduced.

[HTML] [Immune response to influenza vaccination in the elderly is altered by chronic medication use](#)

[\[HTML\] springer.com](#)

[HTML] [Vaccination in the elderly: the challenge of immune changes with aging](#)

[HTML\] sciencedirect.com](#)

[HTML] [Possible correlation between gut microbiota and immunity among healthy middle-aged and elderly people in southwest China](#)

[\[HTML\] springer.com](#)

The fact that entire population groups are now being vaccinated overnight with the mRNA vaccines, and that unvaccinated people are increasingly set under pressure to be vaccinated, is intended to complete the comprehensive mass test with the new vaccines, with no control group of unvaccinated left, which was apparently intended from the beginning. Now the individual countries due to the alleged urgency have waived to make manufacturers liable for side effects, which is normally part of regular registration, so that they can achieve billions in business for the next years without any risk.

In view of this concerted action by governments, state health institutions and the pharmaceutical industry, which were approved by national parliaments, even the wildest conspiracy theories from oponents pale into nice bedtime stories.

Studies on immune system-supporting therapies against continuous inflammatory reactions in viral infections, which we first put up for discussion in March of this year, can be found below. They have never been the subject of research evaluating their effects and have not resulted in targeted medical treatment, nutritional advice or fitness training for vulnerable groups.

How far the current lockdown, like the one happening earlier this year, leads to a temporary improvement in air quality and to a decrease in Covid-19 infections and its severe course

will only become apparent in a few months. A quick exit from this partial lockdown could, as it did in spring, quickly lead back to the old emission values for fine dust, ozone, nitrogen oxides and CO2 and thus later cause again more cases of serious illnesses and fatality.

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More articles on Covid-19 are available at:

<https://www.immunity.org.uk/articles/felix-de-fries/>

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Zürich 20th November 2020 enlarged version of the one from March 20th 2020

Natural Means to prevent and treat inflammatory reactions occurring in SARS Cov-2 infections

There are not so many efficient therapeutic means to bring down self-destroying inflammatory reactions in the lungs, the pharynx, the inner organs, the brain and the cardiovascular system, occurring due to the inhibition of immune reactions in epithelial tissues after daily inhalation of particulate matter, NO₂, CO₂ and O₃ over longer periods such as the ones occurring in Covid-19 infections.

As stated by Nils Kucher, Professor at the Zürich University Clinic a higher number of Covid-19 patients die in short time from pulmonary embolism, which could be prevented by means of a blood thinner such as Clexane, that could also be administrated via injection at home. (An effective natural preparation for coagulation problems is PADMA 28, a herbal preparation made from a Tibetan remedy.)

Curcumin, which is derived from Tumeric in the relation of 40:1 acts on a big number of switches in the immune-network of the organism and is therefore an efficient therapeutic mean for the prevention of viral lung infections caused by Corona viruses. A fresh preparation can be made easily by hacking up finely fresh Curcuma Roots (and Ginger) and mix it with olive oil. Various natural substances such as, high dosed Vitamin D, the B-Vitamines, Alpha Liponic-Acid, Magnesium, Co-Enzym Q10, Zinc, Selenium, Cooper, hempseed oil, lineseed oil as well as fishoil or Krill-Oil, Pre-Biotics and Pro-Biotics are efficient means to prevent ongoing inflammatory reactions in persons dealing with infections of the lungs. Many of the affected persons are taking medicaments which have immuno-suppressive effects. As it has been demonstrated by various tests, it is possible to replenish the level of glutathione molecules needed for to bind oxidants in the cells by means of N-azetyl-L-Cysteine administrated orally or by infusion (also together with ventilation treatment). High dosed Curcumin mixed with Piperino, N-azetyl-L-Cysteine or with whole Tumeric-powder to support its uptake are available from various producers. Papaya leaves and seeds, Black Cumin Seeds, Red Sea Algae such as Gigartina, which shown strong antiviral effects in infections such as hepatitis C, herpes or HSV could also be effective in infections by the Corona Virus. Another substance to bring down ongoing inflammatory reactions leading to a cytokine storm is Interferon Beta, already used in auto-immune disorders.

As you may learn from the following articles the anti-inflammatory effects of these substances in viral lung infections have been demonstrated by tests in similar disease conditions such as the ones occurring in active SARS Cov-2 infections. The treatment of SARS Cov-2 by nucleoside analogue substances, now administrated after permissions by the FDA for Remdesivir , could cause lasting adverse effects as has been demonstrated in AIDS patients by various tests available at:

http://www.ummafrapp.de/skandal/felix/zero/studies_and_links.pdf

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[Incidence of thrombotic complications in critically ill ICU patients with COVID-19](https://www.thrombosisresearch.com/article/S0049-3848(20)30120-1/fulltext)

[https://www.thrombosisresearch.com/article/S0049-3848\(20\)30120-1/fulltext](https://www.thrombosisresearch.com/article/S0049-3848(20)30120-1/fulltext)

[Discovery of curcumin, a component of golden spice, and its miraculous biological activities](#)

[HTML] [nih.gov](#)

[Curcumin, the golden nutraceutical: multitargeting for multiple chronic diseases](#)

[PDF] [wiley.comFull View](#)

[Medicinal and therapeutic potential of herbs and plant metabolites/extracts countering viral pathogens-current knowledge and future prospects](#)

[PDF] [researchgate.net](#)

[Prevention and treatment of influenza, influenza-like illness, and common cold by herbal, complementary, and natural therapies](#)

[PDF] [sagepub.com](https://www.sagepub.com)

[Biochemical and clinical relevance of alpha lipoic acid: antioxidant and anti-inflammatory activity, molecular pathways and therapeutic potential](#)

[PDF] [unicam.it](https://www.unicam.it)

[Alpha-Lipoic Acid Suppresses Extracellular Histone-Induced Release of the Inflammatory Mediator Tumor Necrosis Factor- \$\alpha\$ by Macrophages](#)

[HTML] [karger.com](https://www.karger.com)

[de Rosa, Herzenberg et. al. N-acetylcysteine replenishes glutathione in HIV infection](#)

https://web.archive.org/web/20101105175609/http://aliveandwellsf.org/articles/derosa_NAC_GSH_2000.pdf

[\[HTML\] Safety and efficacy of N-acetyl-cysteine for prophylaxis of ventilator-associated pneumonia: a randomized, double blind, placebo-controlled clinical trial](#)

[HTML] [nih.gov](https://www.nih.gov)

[Cysteine/Glutathione Deficiency: A Significant and Treatable Corollary of Disease](#)

[PDF] [stanford.edu](https://www.stanford.edu)

[Modulation of Mitochondria During Viral Infections](#)

[HTML] [intechopen.com](https://www.intechopen.com)

[\[HTML\] Mitochondrial Functions in Infection and Immunity](#)

[HTML] [sciencedirect.com](https://www.sciencedirect.com)

[Redox biology of respiratory viral infections](#)

[PDF] [mdpi.com](https://www.mdpi.com)

[\[PDF\] Immunity: A Strong Defense against Corona Virus](#)

[PDF] [researchgate.net](https://www.researchgate.net)

[Flavonoids activation of the transcription factor Nrf2 as a hypothesis approach for the prevention and modulation of SARS-CoV-2 infection severity](#)

[\[PDF\] mdpi.com](#)

[HTML] Prophetic medicine-Nigella Sativa (Black cumin seeds)–potential herb for COVID-19?

[HTML] [Prophetic medicine-Nigella Sativa \(Black cumin seeds\)–potential](#) [\[HTML\] nih.gov](#)

Papaya Fruit Pulp and Resulting Lactic Fermented Pulp Exert Antiviral Activity against Zika Virus

[\[PDF\] mdpi.com](#)

Therapeutic application of *Carica papaya* leaf extract in the management of human diseases

[PDF\] researchgate.net](#)

Coenzyme Q10 in acute influenza

[PDF\] wiley.com](#)Full View

[PDF] Therapeutic potential of benfotiamine and its molecular targets

[\[PDF\] peirsoncenter.com](#)

Vitamin D modulation of innate immune responses to respiratory viral infections

[\[PDF\] researchgate.net](#)

[HTML] Evidence that vitamin D supplementation could reduce risk of influenza and COVID-19 infections and deaths

[\[HTML\] mdpi.com](#)

Vitamin D supplementation attenuates asthma development following traffic-related particulate matter exposure

[HTML\] jacionline.org](#)

[HTML] Effects of vitamin D on inflammatory and oxidative stress responses of human bronchial epithelial cells exposed to particulate matter

[\[HTML\] plos.org](#)

Taurine ameliorates particulate matter-induced emphysema by switching on mitochondrial NADH dehydrogenase genes

[\[PDF\] pnas.org](#)Free from Publisher

Retinoic acid as a modulator of T cell immunity

[\[PDF\] mdpi.com](#)

Effects of vitamin B6 deficiency on the composition and functional potential of T cell populations

[\[HTML\] hindawi.com](#)

Zinc: An element of extensive medical importance

[\[PDF\] researchgate.net](#)

Probiotics and paraprobiotics in viral infection: clinical application and effects on the innate and acquired immune systems

[\[HTML\] nih.gov](#)

Probiotics for prevention and treatment of respiratory tract infections in children: A systematic review and meta-analysis of randomized controlled trials

[\[HTML\] nih.gov](#)

Yogurt supplemented with probiotics can protect the healthy elderly from respiratory infections: a randomized controlled open-label trial

[\[HTML\] nih.gov](#)

Optimal Nutritional Status for a Well-Functioning Immune System is an Important Factor to Protect Against Viral Infections

[\[PDF\] preprints.org](#)

Selenium, selenoproteins and viral infection

[\[PDF\] mdpi.com](#)

Air pollutant–mediated disruption of sinonasal epithelial cell barrier function is reversed by activation of the Nrf2 pathway

[\[HTML\] jacionline.org](#)

Transcription factor Nrf2 as a potential therapeutic target for prevention of cytokine storm in COVID-19 patients

[\[HTML\] springer.com](#)

Virucidal and synergistic activity of polyphenol-rich extracts of seaweeds against measles virus

[\[PDF\] mdpi.com](#)

[HTML] Antiviral profile of brown and red seaweed polysaccharides against Hepatitis C Virus

[\[HTML\] nih.gov](#)

Metabolites of Seaweeds as Potential Agents for the Prevention and Therapy of Influenza Infection

[\[PDF\] mdpi.com](#)

Marine Algae: A Potential Resource of Anti-HSV Molecules

[\[PDF\] mdpi.com](#)

Marine Algae Metabolites as Promising Therapeutics for the Prevention and Treatment of HIV/AIDS

[\[PDF\] mdpi.com](#)

[PDF] Protein energy malnutrition and susceptibility to viral infections as zika and influenza viruses

[\[PDF\] cu.edu.eg](#)