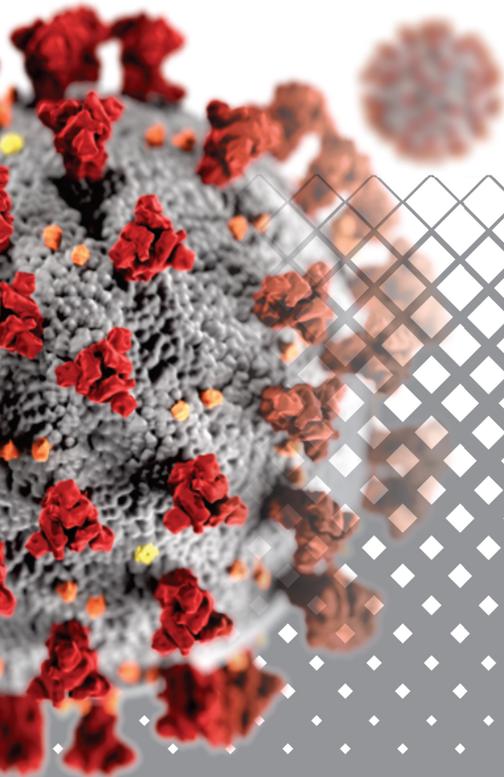
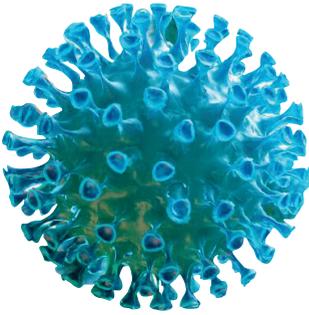


GALELA OIL (GO)

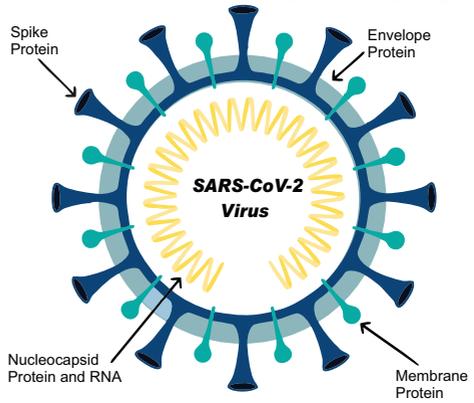
■ ■ ■ AND ITS INFLUENCE
ON CORONA(CoV)



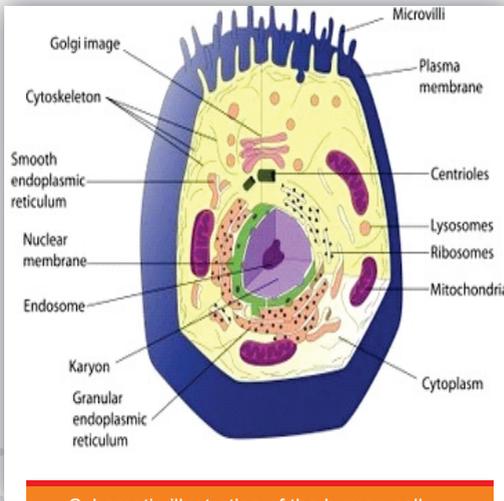
PROF. L. MEHLBER



Microscopic imaging of SARS-CoV-2 virus



Schematic illustration of SARS-CoV-2 virus



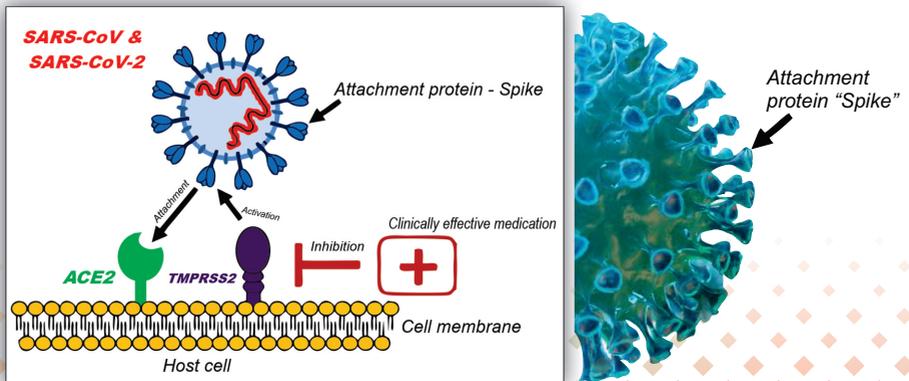
Schematic illustration of the human cell

INTRODUCTION

The human Corona viruses (CoV) are RNA family members and related diseases are belonging to the large group of "Zoonosis" (Zoonotic Diseases), caused by contacts between wild animals or bats/pets and humans. Not all viruses are able to "jump" immediately from an animal to human, they need often several steps and hosts (different animal ancestors) and related molecular genetic changes (mutations) to accept and use human cells as host (Spillover Effect). Finally they are able for Human-to-Human-Infection/Transmission: the Spillover Effect has been reached. The virus needs a certain surface existing out of numerous proteins (spike/s) and especially Proteases to dock on the corresponding receptor of the host cell.

The CoV is docking with its spike/s at first to the ACE2-receptor of a lung cell and is taking after entering the cell a fatal way of replication and continued Human-to-Human Infection. The CoV is an aerosolic virus, means transported by air (breathing). Therefore a distance of 1.5 to 2 meters (Elephantbaby Distance) and the wearing of a masque is strictly recommended for protection. Studies with singers and musical instruments with output of air have shown the efficacy of distance and masques to protect from transmission/infection.

Having succeeded to enter through nose or mouth by the inhaled air the lung, docking on the receptor, starting replication and causing big damages in the Alveoli of the lung it spreads through the blood in the whole body. On its way it is damaging the blood vessels (Internal), a lot of organs and ending in heart and brain, passing even the blood-brain-barrier. It follows a multi organ dysfunction and death. A lot of studies have proven that even survivors of a SARS (Severe kind of CoV infection, Severe Acute Respiratory symptom) and mild forms may have long-term damages and need rehabilitation which is very costly for the health system. At an ICU the usual treatment is a combination of Cortisone (Dexamethasone) and Heparin. Rezemdevir has not shown any additional help (the WHO is not recommending anymore).



VACCINATION



All vaccines are working on the same target, though, with different methods: they want to strengthen the immune system to recognize the virus in due time and to destroy it as long as the number is not too high like the police or army are trained to prevent from crimes or to attack enemies. Some of the vaccines are strengthening the immune system by recognizing the virus on certain proteins (spike/s) needed for binding to the receptor, others recognize the whole protein complex and are not taking care of single proteins. Like the police can follow a suspicious car or can make a road block when looking for drunken drivers. Both methods are working.

The critical point concerning the virus is the mutation of certain genes, producing another Aminoacid and protein. This may cause problems to recognize the virus in due time before he can start his replication and is getting too numerous. However, the whole protein complex is looking still nearly the same and can be recognized as such complex. Like a thief is wearing a masque to hide his face on a video but can be identified by the police on the whole body appearance.

The latest CoV mutation (new CoV) is showing only 9 mutations in about 1200 proteins (or genomes). The vaccines can either still recognize the whole complex or/and can be adjusted quickly to the mutation. Like the army is getting equipped with new binoculars to discover the enemy at night.

However, it is so far not proven that a vaccinated person is not transmitting the virus anymore to not vaccinated persons.

GALELA OIL (GO)

GO is not to be considered as a "Spot Medication". GO needs a certain "Saturation Grade" to develop full efficacy. Therefore it should be used as a supplement on a regular daily basis to develop slowly the Saturation Grade and to keep the right level for protection.

A study with GO has shown 3 remarkable effects:

- *reducing the load of viruses in the blood.*
- *reducing the period of symptoms and period to recovery of infected persons significantly.*
- *reducing the transmission of the virus: Not infected persons seem to be protected from transmission/infection.*

The CoV enters through the lung (ACE2 receptor) and starts from there its "travel" throughout the body and brain. It is using several carriers for the transport, mainly hormones. The binding between virus and carrier is not strong at all which means that the virus can "jump" from the carrier at any time when it seems to have a possibility to attack an organ. It is using the carrier like a mountain climber having his backpack full with food and emptying it when he is making a rest at a suitable and lovely place. All is going well as long as the carrier is not discovering his parasiting and not paying guest and as long as there are sufficient empty carriers available. Or in other words as long as there is no controller in the train checking the tickets. Such a controller is GO.

GO is taking care of the homeostasis: controlling the number of carriers, controlling that they are not overloaded, controlling that the user has a ticket for the right destination and is duly entitled to use the carrier. Otherwise he will be discharged, thrown out of the train and the police appearing as Special Unit "Macrophages" is putting him into jail. GO is the controller and the police in one. No or very limited chances for an illegal passenger. GO is managing by homeostasis the blood flow and is protecting same time the inside wall (Internal) of the blood vessels from damages open a window to escape and is not permitting an unallowed exit to attack and damage organs.

GO is not a medication of first choice for the ICU patient, however, a very efficient supplementation. It is increasing the efficacy of Cortisone and Heparin with its capacity to regulate homeostasis and to control carriers.

GO is supporting to reduce the period of stay in an ICU or afterwards in a normal ward significantly and is therefore reducing cost and is making beds earlier available for other patients.

GO is as well reducing the period for infected patients to get free of symptoms significantly by regulating carriers and blocking docking processes from the virus spike on the ACE2 receptor. GO starts its activities already extracellular and is attacking the whole protein complex of the virus. Therefore its efficacy is not limited or reduced by mutations changing single Amino acids and proteins.

GO at the initial stages of packaging





GO is as well protecting concerning the transmission of the virus by stimulating already the Mucosis (Mucous Membrane) in nose and mouth not to allow the virus to jump on a carrier driving to the lung and to reach an ACE2 receptor as entrance gate. As well GO is binding the virus very strong to the Mucosis like a glue (the virus needs the Enzyme Neuraminidase to be released and this Enzyme is inhibited by GO) and is making it very difficult to leave the Mucosis and to start its travel to the lung. This shows that GO is assisting the different defense systems and possible carriers to recognize the whole protein complex and not only single proteins which might be affiliated to mutations. The protection concerning transmission starts already early and not only at the moment when the virus is able to start replication and following distribution into body and brain.

GO is not showing any side effects. It is a purely natural product.

Due to the fact that basically all viruses are working the same way it is not wondering that GO is showing as well a high efficacy concerning other virus related diseases (like HIV) and other Zoonosis (like Malaria).

The homeostatic effect may occur as well in the age related distribution of CoV: the transmission of the virus is significantly less in children of all genders and young adults before pubertation when hormonal changes and their major activities are starting.

And Infection/transmission is mostly lethal in very old populations when hormonal activities are strongly reduced or slowed down.

