

**Light in the darkness 2020 :  
A Report on N-chlorotaurine, a highly active natural antiseptic  
with outstanding tolerability**

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**Свет во тьме 2020 года:  
Доклад о N-хлоротаурине, высокоактивном природном антисептике,  
обладающем исключительной переносимостью**  
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A terrible year 2020 is over : a similar (next) year, however, is to be expected – if the real but hidden power of science is further on neglected. Semmelweis and the treatment of maternal fever should be recalled. Semmelweis discovered the septic nature of this complication and introduced antiseptic (1848). But reasons that were far away from science : they inhibited its general application; and mothers continued to suffer from maternal sepsis further on up to 1865, when Lister made the breakthrough with carbolic acid. Finally, antiseptic has become an essential element in medical activities and strategies (since 1865). At present, two tools can be used:

- a) Disinfectants for resistant surfaces, unacceptable to inhale or to ingest;
- b) Antiseptics. These are substances which are tolerable for the sensitive cells of nose and lung, if applied e.g. with nasal-sprays or thanks to inhalation.

The reason for me to informing on the topics is the following : there is an available substance that can be used as antiseptic against SARS-CoV-2; and which is also a part of the innate immunity and effective against many pathogenic agents including viruses. This is *N-chlorotaurine*. The technique to produce it was developed about 20 years ago in the Institute of Hygiene in Innsbruck. The tolerability was confirmed, when I was the General Manager (2009/2010). More than 200 papers are listed in PubMed, that confirm scientifically the nature and power of this natural but synthesizable substance. But science is generally focused on the specific immunity and its precursors. However, knowledge should be controlled so thus enabling us to integrate important antiseptics into the fight against SARS-CoV2.

The fundamental relevance of this antiseptic, along with all other epidemiological requirements and regulations, is the following : It opens a new dimension in the fight

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against COVID-19. Therefore, this knowledge should be spread as wide as possible. Antiseptics should be used in a balanced way jointly with vaccines and hygienic rules to inhibit the contact with SARS-CoV-2. Recently the paper of the institutes of Medical University (Innsbruck), Robert Koch Institute and Charité (Berlin) and 360biolabs (Melbourne) “N-chlorotaurine, a novel inhaled virucidal antiseptic is highly active against respiratory viruses including SARS-CoV-2 (COVID-19)” – it is published online and therefore open for everyone (DOI:10.21203/rs.3.rs-118665/v1 <https://doi.org/10.21203/rs.3.rs-118665/v1>).

In general, I invite all BCA members to pay close attention to the underestimated but relevant aspects for health, focusing on the fight against COVID-19. This knowledge should be addressed to other colleagues but also (and especially) to decision makers. They should know that science offers the option for politics to combine the power of specific defense and of antiseptic into a joint light in dispelling the darkness of a serious new disease. As in the early days of scientific medicine, and today, in its heyday, we have no right to miss a single day but immediately to transferring in full the well experienced power of scientific tools to save this time not only the lives of mothers but of all people worldwide who are in risk.