

HOCl research project against Covid-19

Press release, August 2022



A discovery by a former ENT patient has attracted considerable attention from science and media: HOCl wound irrigation could soon play an important role in the fight against the Covid-19 pandemic.

In a self-experiment in 2013, the Viennese consultant Michael Winter, MSc, used such a wound irrigation to treat sinusitis.

His surprising success in this endeavor led to a long series of independent experiments in the years that followed, from nasal sprays to inhalation with highly diluted solutions. In 2017, during the great flu epidemic, he was able to heal his own illness unusually quickly.

When the Covid-19 pandemic finally broke out last year, he turned to the well-known Viennese doctor Professor Dr. Christian A. Müller, who heads the ENT outpatient department at Vienna General Hospital. After extensive research into the scientific study situation, the concept was found to be plausible, and the German specialist Professor Dr. Bertold Renner called in.

The three of this working group finally published a peer reviewed opinion letter in a medical journal in spring 2021:

“A Concept for the Reduction of Mucosal SARS-CoV-2 Load using Hypochloric Acid Solutions”¹

Christian A. Mueller, Michael Winter, Bertold Renner

Drug Res (Stuttg) 2021; 71(06): 348-350, DOI: 10.1055/a-1467-5956

This publication was subsequently very well received by experts and became one of the best-selling scientific articles of the year in this journal.

Several of the wound irrigations in question are approved as medical products in Austria; their use in the nose and mouth is already part of everyday clinical practice, for example in the context of nose or dental operations. They are also available through pharmacies.

As a recent development, dedicated oral rinses containing HOCl are now available on the international market.

The antiviral effect of hypochlorous acid solutions is well documented and is based not on a pharmacological but on a physical principle. A few minutes after application, the solutions break down into water and a very small amount of salt and therefore cannot accumulate in the body.

This approach presumably combines high antiviral effectiveness, clinically proven and relatively harmless use in the nose and mouth, wide availability and, last but not least, low treatment costs. From a medical point of

view, depending on the results of upcoming studies, a supplementary use in the fight against the pandemic may be a realistic option.

On this concept, a TV-documentation², several television and radio reports³⁴ as well as newspaper articles⁵⁶⁷ have been published in the last few months. A book about its discovery entered Amazon's German bestseller lists.⁸

It was presented to a medical audience on November 18th, 2021 on the ÖGHMP Hygiene Day.⁹

As of August 2022, an international multi-center, double-blind, placebo-controlled study is currently being prepared to test the effectiveness in early treatment against Covid-19.

Best Regards,

Christian A. Müller

Bertold Renner

Michael Winter

¹ <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/a-1467-5956>

² <https://tv.orf.at/program/orf3/treffpunkt220.html>

³ <https://www.br.de/fernsehen/ard-alpha/programmkalender/ausstrahlung-2730594.html>

⁴ <https://oe1.orf.at/player/20211222/663287>

⁵ <https://www.sn.at/panorama/wissen/kann-eine-wundspueloesung-bei-covid-19-helfen-106539793>

⁶ <https://www.diepresse.com/6065738/corona-wie-nasensprays-helfen-konnten>

⁷ <https://www.stadt-wien.at/gesundheit/corona-gegenmittel.html>

⁸ <https://www.amazon.de/dp/B09G8PBNDV/>

⁹ https://www.oeghmp.at/index.php?rex_media_type=download&rex_media_file=oeghmpnews21_programm_hygiene_tag.pdf

The newest version of this press release can be found at:

<https://www.hocl.at>