

Epidemiology & Public Health 2020: The Nano-particle Treatment

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The CDC approach to the Covid-19 virus is to quickly develop a vaccine which even if successful is impossible to implement for the entire World population, let alone unacceptable because of attendant social unrest and

economic collapse. Only a treatment of Covid-19 patients tested positive is possible. President Trump was right about the treatment of using UV disinfection of virus, but a UV source inside the body of a Covid-19 patient is not known. In this dilemma, nanoparticles (NPs) delivered intravenously to the blood are proposed to provide the UV disinfection.

Key Words: *Nanoparticles, Covid-19, UV disinfection, Virus, Economic collapse*

INTRODUCTION

The COVID-19 episode presents worldwide weight on current social orders and especially medicinal services related foundation. Nanotechnology brings new possibilities for creating moderate and adaptable identification techniques, safe individual security gear and new powerful clinical arrangements.

Nano-sensors are as of now a reality, demonstrating extraordinary capacity to distinguish microorganisms and infections at extremely low fixations and in this manner caution clinicians even before manifestations have appeared or on patients with exceptionally low popular burdens. A nano-channel has been as of late built up that is professed to keep up separating effectiveness, much after hand washing, using nano-fibres. This reusable nano-sifted face veil could assist with mitigating the difficulties emerging from the flexibly lack of face covers. Specialists have been examining the capability of utilizing nanoparticles to reward bacterial and viral contaminations throughout recent years. Gold nanoparticles, for instance, are made to append to infections, for example, Ebola or flu and by warming the particles with certain infrared frequencies, the nanoparticles would then be able to decimate the structure of the infection. Nanoparticles can be utilized to convey medicates also.

Analysis: Simple QED theory based on the Planck law claims atoms in NPs lack the heat capacity to conserve heat by an increase in temperature, and instead NPs convert heat from the blood into EM radiation at a wavelength depending on the NP size, e.g., 80 nm lipid NPs emit UVC (254 nm) radiation. The NP treatment of UVC disinfection kills the live virus in the infected patient to produce the inactivated virus that acts as the antigen to elicit immunity to subsequent infection. Only lipid NPs in saline are included in the NP vaccine; genetic based fragments are excluded. What this means is the NP vaccine not only disinfects the patient of CoVid-19, but also elicits immunity to subsequent CoVid-19 infections. By controlling the NP dose, the UVC is held to low intensity levels minimizing collateral DNA damage in adjacent tissue to allow recovery by DNA repair systems.

For concealment of both viral and bacterial respiratory contaminations, we present applicant definitions and treatment conventions dependent on nano-silver colloids (NAGC) by inward breath conveyance. Exceptional assessment is given to Corona infection. We do not know about any distributed hypothetical or clinical exploration on restorative inward breath of silver particles. In this article we lay the reason for such clinical assessments to be done, from plans structure to dose figuring, conveyance strategy, and clinical security investigation. The plans depend on by and by accessible trial information. However, as per our examination, the distributed trials were totally done on imperfect NAGC. Henceforth,

following the introduced structure, future tests with our prescribed more streamlined NAGC should prompt improved plans. From the clinical restorative perspective, our treatment plans might be most adequately applied as a first-line mediation at a beginning time of respiratory diseases, i.e., when generally influencing the upper respiratory framework and bronchial tree. For instance, the proposed details could be utilized to control neighbourhood flare-ups of COVID-19 by means of beginning period home treatment. We note that comparable NAGC doses likewise give hostile to bacterial adequacy. We suggest that for emergency clinic ventilator related pneumonia (VAP), inward breath conveyance of NAGC can be actualized prophylactically to bring down VAP chance. For fulfilment, we talk about assembling and business accessibility for close to term wide open use. The non-advancement of NAGC hostile to viral medication medicines up to this point is a market disappointment, likely due to non-patentability, making such improvements ugly for enormous Pharma organizations. Lamentably, the hole between promising scholarly exploration and market administrative endorsed items has been left to be filled by "elective medication" frauds – giving awful exposure to the entire field. So as to conquer this market disappointment circumstance, this article likewise fills in as a decree and plan for an open-source sedate advancement program to acknowledge it. Potential advancement parties – scholastic, clinical, assembling, and business – are welcome to join by means of the committed site noted in our location. **Technique:** We examine three centre perspectives: (a) nano-molecule size and material creation choices, with extraordinary regard for the adjustment (topping) selection of materials, (b) deciding the necessary powerful inhibitory focus (IC) in target respiratory framework tissue, (c) the conveyance strategy and related treatment doses. **Working towards likely clinical assessment,** we talk about the proof for security of the proposed treatment dependent on distributed tests and rules in the EU and USA for inward breath of silver nanoparticles.

Results: The measurement is exceptionally delicate to the silver nano-particle size, with 3nm - 7nm being the ideal size, fundamentally littler than the ~10nm size of all the best analyses distributed in the writing. Subsequently, there is a potential for shockingly better adequacy as well as lower measurement with our suggested NAGC. In assembling, PVP adjustment ought to be stayed away from, as it brings down the NAGC hostile to viral viability altogether (however is still fine for against bacterial applications). Successful enemy of viral inhibitory fixation (IC) of 10 µg/ml is evaluated as a sensible objective focus to accomplish in the bodily fluid liquid of the respiratory framework. With colloidal silver of 5nm particles, conveying inward breath of standard 5 µ breadth beads vaporized (e.g., utilizing off-the-rack ultrasonic work nebulizers), we affirm that IC can be accomplished with keeping a sum of only 0.33cc of a 30 µg/ml NAGC fixation in the bronchial tree. However, subsequent to representing successful statement portion (~30%) and because of the way that dynamic

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inward breath time is just around 1/3 of the breathing cycle (if normal constant nebulizers are utilized, as opposed to breath-actuated), a dose of 3.3ml should be persistently nebulised for inward breath by the client. We suggest that exhalation through the nose can be executed as a strategy to convey the breathed-out division of NAgC likewise to the nasal hole when the nebulised inward breath is done orally. The necessary plans are by and by not accessible available but rather are anything but difficult to mass produce on a fundamental level. Utilizing off-the-rack ultrasonic nebulizers and profitable OTC colloidal silver plans, we set that our proposed strategy can be utilized prudently at home by anybody feeling the early indications of a likely disease. Likewise, because of the counter bacterial properties of colloidal silver, at comparative measurements to the counter popular definitions, our technique can serve in emergency clinic escalated care units (ICU) as another standard of care prophylactic treatment for ventilator gained pneumonia (VAP). One of the fundamental variables influencing inward breath antimicrobial conveyance is the sickness state. Expanded bodily fluid creation would weaken the medication fixation contrasted and hypothetical estimation dependent on the accessible sound lung bodily fluid volume information. Thus, as basic in anti-microbial clinical inward breath treatment, compelling treatment doses are fundamentally higher than the in-vitro insignificant IC (MIC).

CONCLUSION AND SIGNIFICANCE

The CDC is requested to promptly initiate the nano-particle Treatment of CoVid-19.

BIOGRAPHY

Thomas Prevenslik is a retired American living in Hong Kong and Berlin. He began simple QED nanoscale heat transfer development in Hong Kong in 2010. Simple QED has nothing to do with Feynman's QED and is based on the Planck law that precludes atoms in nanostructures the heat capacity to conserve heat by temperature. Instead, heat conservation proceeds by creating size dependent standing EM radiation E inside the nanostructure. For a spherical NP, simple QED creates a quantum state $E = hc/2nd$, where h is Planck's constant, c the velocity of light, with n and d the refractive index and diameter of the NP.

NOTE

This work is partly presented at Joint Event on 5th International Conference on Epidemiology and Public Health August 24, 2020 held at London, United Kingdom