

Prof (Dr) Ratnesh Dwivedi Discusses Everything About Wuhan Virus in a Research Paper for a Scopus Indexed Conference on Crystallography and Structural Chemistry in Barcelona, Spain

Abstract

The synthesis of 1,8-dihydro-as-indacene was prepared in 8 steps starting from alkylation of 2-methyl-furan with formaldehyde and substituted with ethylamine hydrochloride to give a isolated mixture of 5-methyl-2-furfuryldimethylamine, the amine was quaternized by treating with methyl iodide and anion exchange using Ag₂O resulted in the intermediate ammonium hydroxide subsequently without isolation, to removing the water by hydrolysis process. The hydroxide was pyrolyzed by a transformation of furanocyclophane (4a). Photooxidation of the 4a in methanol gives a mixture of oxy diketone (5a) and a peroxidic compound, either a methoxy diketone. Sodium iodide in acetic acid reduces the peroxide to give pure 5a, which is dehydrated by sodium carbonate to (6a) and a purified the diketone in column chromatographic method to give a pure 6a. sodium borohydride reduction, acetylation(7a) and pyrolysis yield dihydro-as-indacene (8a).

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Introduction

Wuhan Virus or Chinese Virus or COVID 19, when I am writing this introduction on April 16, 2020 has infected 2 Million People and 200 Thousands of people have died world over. The COVID 19 as per Central Intelligence Agency's Director Hon Gina Haspel is a manmade, labmade virus by one of its Virological labs in China which it let loses as it presumed that Chinese regime can manage 25 % -30 % loss of world population which will bring Financial and economic monopoly for China. It now is covering up its fault. While World Health Organization feels that Wuhan Virus was not created in any lab but it was infected to a 57 year old lady in Hunan Sea Food Market in Wuhan in early days of December 2019. What ever is case but China overlooked the intensity of Highly Contagious Virus and acted very late. It does not shut international flights which resulted rapid spread of Virus to 205 countries till now. A Virus Cell is like living Human cell consisting RNA, Protein Cover and a Nuclei and when it finds inhabitant in an animal or human body it infects they through various routes (In case of COVID 19 through Air, person to person contact, aerosols, Hands, Nostrils and Mouth). Human Cells since this virus cell is a foreign object for them and also new can not recognize it to fight and destroy it and by the time they do it goes in to digestive system and lungs through food pipe. This highly contagious Wuhan Virus has low mortality rate in comparison to other corona viruses like SARS and MERS up to 5 %. In a country like India where 1.3 Billion people live it has infected only 15000 people till April 16, 2020 with death below 500 which is almost 0.17 %. The number in India increased due to a large gathering of a section of Islamist people who had come to India from foreign Location and despite government restrictions gathered for preaching and then traveled to other places. Some Turkish

research scientist say that less infection rate and lesser deaths in a country like India is due to this very fact that anti tuberculosis vaccine is given to each infant which is also known as BCG Vaccine widely.

India's Dr Seema Mishra, University of Pittsburg and Dr Kizzykem of USA are in process of developing a COVID 19 Vaccine when I am writing this paper. I talked to CIA Director on Twitter and also responded to Dr Kizzykem for their opinions.

BBC finds Resemblances in Influenza Outbreak of 1918 and COVID19-If That's The Case Here's The Treatment

In a recently published articles on its main website BBC has investigated and found striking resemblances in COVID19 and Influenza Outbreak of 1918 which took away 10 to 15 Million lives from subcontinent. Leave others Mahatma Gandhi who has just arrived to India from South Africa and his Sabarmati Ashram also came under grip of that lethal virus.

<https://www.bbc.com/news/world-asia-india-51904019>

Now as President Trump calls it as a Chinese Virus might be true as it originated from Wuhan in China but China has shown exemplary efforts on ground to fight it out like building a dozen Corona Hospital in 15 days and such more things. If we believe that BBC is true and there are similarities between Influenza Virus and COVID 19 I investigated and found a cure in Homeopathy. My father's elder brother was a renowned Homeopathic Doctor in Ayodhya and I served as his assistant on time when ever I got time from my studies.

MAJOR REMEDIES USEFUL IN THE ACUTE TREATMENT OF FLU SYMPTOMS.

- First signs especially after a chill, thirsty, possibly anxious, highly restless Aconite

- Sudden onset high fever; hot, red, throbbing headache, sensitive to light, noise Belladonna
 - Streaming nose (possibly eyes too), sneezing, clear discharge often thicker after 24-48 hours, The characteristic discharge from the mucous membranes is watery or thick whitish, like the white of an egg prefers to suffer alone and shuns sympathy The person is irritable in nature. Desires salt-Natrum muriaticum
 - Headache, pains all over, irritable, nauseous, (also good for a hangover!). Nose congested with little discharge, chilly , cannot get warm, even in bed.Nux vomica
 - Established symptoms, headache, shivers, fatigue, aches and pains, alternating hot and cold, sore nose, very sleepy. tend to have an unpleasant headache that is usually throbbing, affecting the back of the head radiating into the neck and there is a generalised aching soreness in the muscles. Despite their sensitiveness and dry mouth,not usually very thirsty. This lack of thirst is another keynote. 'flu is rather slow in onset, usually coming on over six to eight hours and produces primarily a feeling of intense weariness. The patient is very dull and tired, looks bleary-eyed and sleepy, with heavy, drooping eyelids being a keynote gelsemium
 - Very thirsty, sore muscles/bones, headache, worse on movement. most noticeable factor is the severity of the pains which are a severe ache involving all the bones of the skeleton – arms, legs, shoulders, back, hips and particularly the shin bones Eupatorium perf
 - The face is hot and patients crave open air, yet the body feels chilled. They feel worse for eating and drinking, but are thirsty for small sips of water. There is a marked restlessness punctuated by collapse or prostration, and the patient tends to have the classical anxiety often out of all proportion to the severity of the symptoms Arsenicum album
 - It has good action on mucous membrane of the nose and the lachrymal glands, producing coryza and symptoms like hay-fever. There is spasmodic sneezing one after another. symptoms of hay-fever or allergic rhinitis with itchy nose and fluent coryza. Either nostril stuffed up, inspiration through nose labored, snoring. Violent sneezing is occurred from time to time, shaking abdomen followed by lachrymation. There is runny nose with severe frontal headache and redness of eyelids. Sabadilla
 - One of the most commonly used Homeopathic medicines for Allergic Rhinitis or Hay Fever. It is generally used in the symptoms of severe runny nose that drips from the tip of nose with watery eyes. There is burning of nose due to over secretion mucous. Along with the watery nasal discharge there is watery eye. There is profuse sneezing associated with runny nose and watery eyes Allium cepa
 - Fever, catarrh, burning nasal discharge, sneezing ,irritation and tingling in nose with constant desire to sneeze, Nasal discharge burning ,Burning watering of eyes May have dry wheezy cough Arsenicum iod
 - Slow onset, mild fever, worse at night, better from cold, nosebleeds-Ferrum phos
 - Catarrh in nose with thick discharge, ears feel blocked, worse at night, better in fresh air and with attention from loved one Pulsatilla
 - Dry, painful cough, worse at night, thirsty – often most effective as a linctus. Bryonia
 - A special remedy for the prevention and treatment of colds and flu. Often prescribed by homeopathic doctors for at risk patients -Influenzinum
 - in Europe and America, a very popular homeopathic product called can be bought over the counter for the prevention and treatment of colds and flu.
- Friends, Romans, American,Indians,Africans,World People, Countrymen lend me your ears**
- COVID19 or Coronavirus or Chinese Virus started spreading from seafood market of Wuhan in China in Dec 2019 (Nature).Till now it has now affected 205 countries and there are only 40 places in world (not countries) which can be termed as COVID19 free (BBC).Its believed that 50 Million people will lose thier job and its after effects will push back countries 20-25 years back. While it also may be true that scientific inventions will speed up almost at the rate of 10 times higher than normal times.
- Uptill now almost a million people are tested positive with tens of thousands of deaths in couple of months. Super Powers,Developed Economies,Prime Ministers,Presidents,Kings, Queens Sports Persons,Cine Stars,Rich, Poor all are affected with it.
- In such testing times their are stories of hope and courage. Tens of thousands have recovered from deadly virus.Its time to make people aware and educate everyone on how to avoid getting contacted with virus. The best thing is Social Distancing, Isolation and Quarantine when drugs like Hydrochloroquine and Ibuprofene's efficiency and accuracy is still to be proved and Vaccines are in Laboratory stage.
- Our medical staff are putting best feet forward, our scientists are working on breakthrough to prepare a vaccine and our leaders across the globe are trying to keep every one's morale high by clapping,Clanging Utensils, and litting the light of hope.Countries like India has done pretty well to contain the virus by breaking the cycle and many countries are aporeciating leadership of India.In these time.We as Academics can make people, student, faculty & staff community aware people educate them on special hygine,washing hands,social distancing,testing,isolation,quarantine and healthy diet rich with Protein,Vitamic C,E & D to allow body to boost our immune system .When most schools are delievering online pattern of Education we at Learnforth University which already has focused on Distance Education has taken this special step to Educate parent,student,faculty and staff community of LU and people in general to make them aware.Each one of us fighting this deadly virus across the globe. A big appreciation to all Corona Warriors and all agencies fighting to beat COVID-19.
- How Far BCG Vaccine Widely Used in India can Treat Corona Patients?**

The lower than expected number of SARS-CoV-2 cases in countries with fragile health systems is puzzling. Herein, we hypothesize that BCG vaccination policies adopted by different countries might influence the SARS-CoV-2 transmission patterns and/or COVID-19 associated morbidity and mortality through the vaccine's capacity to confer heterologous protection. We also postulate that until a specific vaccine is developed, SARS-CoV-2 vulnerable populations could be immunized with BCG vaccines to attain heterologous nonspecific protection from the new coronavirus.

In January, World Health Organization (WHO) Director General Tedros Adhanom Ghebreyesus said his "greatest concern" was COVID-19 spreading in countries with fragile health systems. Although countries like India, Philippines, Sri Lanka, Cambodia, Thailand, Vietnam and Nepal have reported their first confirmed cases of the SARS-CoV-2 virus in January, widespread examples of community spread have not been reported. In fact, contrary to such justified expectations/predictions, on March 13 2020, WHO declared that "Europe has now become the epicenter of the pandemic, with more reported cases and deaths than the rest of the world combined". Even though we are still in the midst of this novel coronavirus pandemic and the situation might drastically change in coming days, the disproportionately smaller number of cases reported from disadvantaged/low income countries remains puzzling. We hypothesize that general BCG vaccination policies adopted by different countries might have impacted the transmission patterns and/or COVID-19 associated morbidity and mortality.

Ordinarily, a vaccine provides protection from a particular pathogen, by inducing effector mechanisms directed to that pathogen. However, certain live attenuated vaccines like the Bacillus Calmette–Guerin (BCG), an attenuated strain of *Mycobacterium bovis*, provide protection not only to a specific pathogen, but also against unrelated pathogens, some of which cause acute respiratory tract infections.[1], [2], [3], [4], [5], [6], [7] The underlying mechanism for the BCG vaccination-induced non-specific protection is thought to be mediated via the induction of innate immune memory, or "trained immunity, as was first proposed by Netea and collaborators.[8] Trained-immunity inducing agents reprogramme bone marrow hematopoietic stem cells and multipotent progenitors through epigenetic and metabolic changes, resulting in a more robust response in differentiated innate immune cells, following encounter with a pathogen.[8], [9] Of interest, in a randomized placebo-controlled human study, BCG vaccination was demonstrated to induce epigenetic reprogramming in monocytes, conferring protection against experimental infection with an attenuated yellow fever virus vaccine strain.[10]

Based on these observations, we hypothesized that countries who continue BCG immunization programs would contain the spread of this new coronavirus better than those that did not have or have ceased their national BCG vaccination programs. To check the validity of this hypothesis, we compared the number of cases and deaths per million people from 40 countries with at least 500 cases according to their BCG vaccination status (Figure 1 and Table 1). Case numbers per million people in countries with a national BCG vaccination programme were statistically

significantly lower than those that did not have or have ceased their national BCG vaccination programs ($P < 0.0001$). Since case numbers are dependent on SARS-CoV-2 testing capability of each country and might not be representative of the true extent of the regional epidemic, we also compared the number of deaths per million. Results showed that COVID-19 associated deaths relative to the size of the population were statistically significantly lower in countries with a national BCG vaccination programme than those that did not have or have ceased their national BCG vaccination programs ($P < 0.0058$). The most affected country with the highest death toll was Italy, which historically never had a national BCG vaccination policy for all. Consistently, Italy also reports higher mortality rates compared to other countries.

Abstract of a Research Report Published in NBCI Website. NBCI is a Highly Reputed Medical Research Organization of US Government. The Research is conducted by some Turkish Research Scientists

Prof (Dr) Ratnesh Dwivedi Will Speak on Structure, History and Virology of Wuhan Virus in Barcelona, Spain

Its really an honor to be invited to be in Organizing Board and also Read my Paper in SCOPUS indexed Structural Chemistry & Crystallography Conference in Barcelona, Spain in Sep-Oct 2020. I will be speaking on Structure of Wuhan Virus or COVID19. The conference was scheduled to be held in April but is now postponed for Sept-Oct 2020.

<https://crystallography.alliedacademies.com/ocm/2020/prof-dr-ratnesh-dwivedi-occidental-intelligence-services-usa>

A 30 Minute Video which will tell all about Wuhan Virus

https://youtu.be/OFL_UL4Kup0

Conclusion

This is what I have investigated and found for a family of Viruses . I am not sure how curable it would be for COVID 19. Lets us hope COVID 19 is also from same family of Viruses. While Dr Seema Mishra in India's Hyderabad University, Dr Kizzikema in USA and University of Pittsburg have come out a vaccine in laboratory stage its believed that this highly contagious virus will be restricted very soon before it turn out to be a larger disaster than influenza outbreak of 1918 and plague outbreak of 1897. President Donald Trump has shown trust on Hydrochloroquine (HCQ) which is widely produced and used in India as Anti Malarial drug and was invented by Dr Prafull Chandra Ray the founder of Indian Cheameology in early 20th centuray. India has supplied tones of HCQ not only to USA but also to other countries. One India born Astronaut and MD in Medicine with Canadian Space Agency Dr Shawna Pandya has suggested another drug known as Ibuprofene for treatment of COVID Patients. With this kind of efforts I conclude that soon we will be able know everything about Wuhan Virus from its origin to structure to treatment.