Two papers that Iodine is effective for exterminating viruses are introduced on the next 2-3 pages.

➢ Reduce the risk of infection for medical staff

The iodine-mask, iodine-glove, and iodine-hood shown on the right are iodine-impregnated masks, gloves, and hoods that have a high anti-virus function, in which elemental iodine (I$_2$) is stably supported on a soft and stretchable fabric. By covering these exposed areas such as the head and face with these anti-virus functional protective equipment, medical professionals who are at the forefront of viral infections can concentrate on infectious disease treatments in a safe and secure environment. I think it will be. (See paper 1)

➢ Virus removal treatment in hospital room

By supplying iodine vapor (I$_2$ vapor) to the hospital room, it will be able to disinfect and remove viruses from the patient room space, the surface of clothing and various articles, and concentrate on infectious disease treatment in a safe and secure environment. (See paper 1)

It is necessary to study the concentration of iodine vapor supplied to the hospital room, but it is possible to generate and supply a certain concentration.

➢ Treatment effect: as a proposition

In papers 1 and 2, adsorption of iodine (I$_2$) on the salivary glands, nasal mucosa, and respiratory mucosa is effective in inactivating the virus in the body, and the "gargling" by iodine completely eliminates coronavirus. It is said that it can be activated. (See papers 1 and 2)

* It is a suggestion to the doctor, but since the iodine mask can control the emission of volatile iodine (I$_2$). Can you attach it to an infected patient and check the effect?
A paper on an effective disinfectant against viruses by analyzing the influenza pandemic (Spanish flu) that occurred in 1918.

<Summary: Excerpt>
Iodine is most effective in getting rid of viruses (especially influenza viruses). Spraying iodine as a mist can eliminate the virus, and iodine solution is also effective. In 1945, Burnet and Stone suggested that iodine-bearing masks could prevent viral infections by examining the effects of iodine mist in mice infected with the influenza virus, and for the examination and treatment of critically ill patients, Healthcare professionals recommend having an iodine aerosol treatment room. Masks loaded with iodine are even more effective, and hand washing with a mild iodine solution is also very effective. Isolation in an atmosphere of aerosol iodine is safer for patients and medical personnel. Ingestion of iodine from the upper oral cavity and respiratory mucosa also enhances the body's defense function. Hand washing with standard 70% alcohol is effective against pathogenic bacteria but not viruses. Especially for influenza viruses, iodine is the most effective disinfectant with broad spectrum of sterilization and low toxicity. A solution prepared by diluting the iodine solution by a factor of 1 million becomes much more effective, and hand washing is more effective when done with mild iodine solutions. These methods can be improved by incorporating iodine into them. When impregnated with iodine, masks become much more effective, and hand washing is more effective when done with mild iodine solutions. Isolation techniques coupled with aerosol iodine would make them safer for patients, medical personnel, and all persons working with the public. Public health authorities could organize the distribution of iodine and at the same time educate public in the effective use of iodine. Oral iodine might also boost body defense mechanisms in the upper oral and respiratory mucosa. Conclusion: Iodine incorporated into masks, solutions, aerosols, and oral preparations could help to kill influenza viruses and fight off an H1N1 Pandemic.

<Conclusion>
Masks containing iodine, solutions containing iodine, aerosols, oral treatments, etc. will help get rid of the influenza virus and allow the H1N1 pandemic to converge.
[Introduction paper 2] Molecular Iodine: Could This Be a Game Changer for Dentistry?

March 3, 2020
by Herb Moskowitz, DDS; Janice Goodman, DDS, MS Oral Medicine and Orofacial Pain

It looks like 2020 is bringing the Canadian dental profession a gift, in the new selection of molecular iodine (I₂) products from ioTech International. These products, surpass all of the existing gold standard disinfectants. Coming out of the gate, these products appear to be game changers in antimicrobial chemistry. Dr. Gordon Christenson named ioRinse the “Best in Class” antimicrobial agent in Clinicians Report for 2019. This technological breakthrough appears to have unlimited indications in medical, dental, agricultural and veterinary fields. To top it off, I₂ is an essential element, natural, organic and safe for chronic use and it is being priced with the most affordable of all the antimicrobials.

History of Iodine Use

The recorded use of iodine in medicine, dates back to 5000 BC when seaweed and sea sponges were used to shrink goiters. Lugol’s iodine was introduced in 1829, tincture of iodine in 1908 and finally povidone iodine PVP-I in 1955 (brand name: Betadine). ioTech’s patented molecular iodine products first surfaced in 2017 after several years of research and development to make iodine soluble and stable in aqueous solutions (Fig. 1). Betadine has 31,600 ppm of total iodine but only 3 ppm of molecular iodine; Iotech has less than 1000 ppm of total iodine but up to 600 ppm are actually molecular iodine. Since it is ONLY the molecular iodine that is a biocidal species of iodine, all the other species in Betadine or Povidone Iodine (PVP-I) contribute to staining or toxicity but DO NOT kill microbes (Figs. 1 & 2).

https://www.oralhealthgroup.com/features/molecular-iodine-could-this-be-a-game-changer-for-dentistry/