



## Covid 19 Impact on World and Dentistry

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The covid-19 virus pandemic has reached almost every country around the world. It has a huge impact on the national economics leaving the global economy in chaos and recession, as the governments are suffering from the new situation of lockdown measures to stop the spread of covid-19.

Almost everything has changed during the crisis, The COVID-19 pandemic has had a huge impact on the dentistry from the first lockdown to the present. Between many possible ways of infection, dentistry and dental services has got a lot of attention. Many organizations and researchers have published reports, research papers and instructions reports and guidelines on how this virus could be transmitted through dental procedures and what we should do to stop it.

The corona pandemic has made many dental clinics close around the world. Some countries are currently re-opening or planning to re-open dental services also. Many dentists haven't worked since then because of fear of disease transmission in their dental clinics. They were afraid for themselves, their loved ones, and their patients.

The virus spreads mainly between people who are in close contact with each other (within 6 feet or less). It is spread by respiratory droplets from people infected during coughing, talking and sneezing to people who are within walking distance and do not wear proper protective equipments.

Dentistry is the most at-risk profession for Covid-19 compared to the other occupations. Based on the nature of its procedures, and the closeness between the professionals and patients, the infection could readily transmit from the infected to the professionals, then subsequently to other patients, if there is no proper sterilization.

When considering the ways of spreading the virus that causes Corona disease, which means that all dental treatments are considered a possible transmission ways of the virus from infected people to the dental team or vice versa without adequate protection.

Knowing which dental procedures can spread droplets that carry covid is important to help determine the danger level of these practices. So, it would help to know what protective equipment is best for protection and anything that comes out of the patient should be considered a risk factor for infection. And when you think about it, you find that the instruments and tools that used by the dentist are made of materials that the virus can stick and remain for several days when not enough sterilization of those instruments. Fundamentally, the virus in dental clinic may be transmitted through droplets and contact. Not only can the dental team be carriers of the virus, but they can be infected by transmission of the virus through the patient's salivary secretions or treatment processes that lead to the release of secretions into the air, such as the use of ultrasonic instruments or high-speed hand-piece. Therefore, the use of appropriate infection control methods is very necessary in order to stop the infection of the virus and to maintain the safety of the dental team and the safety of patients due to the ease of transmission of the virus due to the lack of sufficient distance between specialists and patients.

At the end, the instructions issued by the World Health Organization should be applied to ensure adequate protection of patients and doctors and avoid treatments of non-ambulatory cases of any infected or suspected to be infected and postpone treatment for at least two weeks. Only ambulatory cases that require the intervention of a doctor to rid the patient of his pain and suffering, taking into consideration drugs treatment as a first solution. These days, in the era of covid-19, we as dentists need to innovate and invent new tools and techniques to treat our patients who has dental and oral problems in ways that ensure their safety from infection and our safety as medical workers and do our duties to restore their smile and confidence and end their pain.

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