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Covid-19 Pandemic Impact on Global Health An Overview

¹Baburathinam Sona*, ²Shyamsundar Vidyanarani & ³Natarajan Raghunathan

¹Senior Lecturer, Department of Oral Pathology and Microbiology, Asan Memorial Dental College and Hospital, Chengalpattu, Tamil Nadu

²Professor, Department of Oral Pathology and Microbiology, Center for Oral Cancer Prevention Awareness and Research, Bharath Institute of Higher Education and Research, Sree Balaji Dental College and Hospitals, Chennai, Tamil Nadu

³Senior Lecturer, Department of Conservative Dentistry & Endodontics, Tagore Dental College and Hospital, Rathinamangalam, Chennai, Tamil Nadu

Email Id: service.heb@gmail.com

ABSTRACT

Infectious viral threats continue to exist worldwide for centuries. Likewise, in December 2019, novel viral pneumonia outbreak originated in Wuhan city, Hubei province, China. On 8 January 2020, the Chinese Centre for Disease Control and Prevention officially announced that novel corona virus is the causative pathogen of this viral pneumonia. The pandemic of novel corona virus disease 2019 (2019-nCoV /COVID-19) outbreak has become a major public health challenge for not only China but also to the countries around the world. The 2019-nCoV can be transmitted person-to-person through droplet inhalation produced by cough, sneeze or saliva or by contact transmission, such as the contact with oral, nasal, and eye mucous membranes. The World Health Organization declared a public health emergency of international concern over this global pneumonia outbreak of novel coronavirus disease (COVID-19). Understanding the COVID-19 and Worldwide Infection control measures are necessary to prevent the virus from further spreading and to help control the pandemic situation. The participants in health care and dental professional are exposed to tremendous risk of 2019-nCoV infection due to the person-to-person, face-to-face communication like exposure to droplet inhalation, saliva, blood, and other body fluids. By following a strict infection control protocol, health care professionals play great roles in preventing the transmission of 2019-nCoV. This article, will highlight the knowledge about the epidemiology, route of transmission, pathogenesis, clinical manifestation, diagnosis, recommended management protocol and infection control for health care professionals in clinics and hospitals.

Key-words: Coronavirus; CoVID-19; Human Angiotensin-Converting Enzyme 2; infection control; Management.

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