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Infection Prevention and Control (IPC) for Covid-19 Virus in Dental Practice

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ABSTRACT:

A novel β -coronavirus (2019-nCoV) had challenged Health care system all around the world by causing pneumonia which is very life threatening and even fatal, which was supposed to be originated from seafood market of Wuhan city, Hubei province, China, further rapidly spread to other part of world. During this pandemic period of COVID-19 the role of dental professionals is critically important to stop the transmission of disease. Both the coronavirus and SARS-CoV disease having the same host receptor i.e. the human angiotensin-converting enzyme 2 (ACE2). The natural host of 2019-nCoV is supposed to be the bat *Rhinolophus affinis* having 96.2% of whole-genome identity to BatCoV RaTG13. The route of transmission includes direct transmission via cough, sneeze, droplet inhalation, saliva, blood, and other body fluids and contact transmission through nasal, oral, and eye mucous membranes and indirect includes contaminated objects handling. Thus hereby through this paper we recommend health care workers to control infection during routine dental practice to block the chain via community transmission routes in dental clinics and hospitals.

Keywords: Pandemic, Aarogya Setu, Quarantines, PPE, Anti-retraction Handpiece, Respirators, HEPA filter, Sodium hypochlorite.

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